

CALMAC Study ID: CPU0019.03

# Small Commercial Contract Group Direct Impact Evaluation Report

Appendices E-M



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# Appendix E

## Self-Report Free-Ridership Stability Indicators

The following tables were prepared to provide additional context surrounding the free ridership estimation.

In Table E-1, free ridership is an average of four components. This table details the number of components that feed into the final average. If a respondent was unable to answer questions feeding into one of the specific components, that component was not included in the final average.

**Table E-1: Number of Free Ridership Components Used in Final Estimate**

Number of free-ridership components used in final estimate*	Upstream CFL (Wted by Qty Installed)	Downstream CFL	Linear	High Bay	Lighting Controls	Other	Boiler (Wted by Therms)
		(Wted by kWh)					
Zero**	19	6	16	0	0	5	0
One	92	57	83	10	8	42	8
Two	19	9	23	1	0	5	0
Three	110	41	98	23	7	14	3
Four	1355	489	1565	182	106	265	21

\* Some of the four separate free ridership measurements are from one survey question and others are from multiple responses. See the algorithm in Appendix D.

\*\* These respondents were dropped from final analysis.

Free-ridership ratios range from 0.0 to 1.0. This table details the percentage of respondents that had free ridership rates at the extreme ends of the spectrum. These extremes are defined as the 0.9-1.0 range and the 0.0-0.1 range.

**Table E-2: Proportion of Respondents with an Extreme Free-Ridership Ratio**

Proportion of respondents with an extreme free-ridership ratio	Upstream CFL (Wted by Qty Installed)	Downstream CFL	Linear	High Bay	Lighting Controls	Other	Boiler (Wted by Therms)
		(Wted by kWh)					
Proportion with 0.0 - 0.1 ratio	22.4%	34.0%	58.8%	40.1%	57.9%	28.2%	3.1%
Proportion with .9 - 1.0 ratio	16.9%	8.3%	4.2%	8.2%	9.1%	28.2%	37.5%

Inconsistent responses were flagged by the CATI programming and respondents were asked to provide additional explanation regarding the inconsistency. All flagged as inconsistent were reviewed by an analyst. When possible, responses were recoded based on answers to open-ended clarifying questions. The table below details the number of respondents that had inconsistent responses recoded.

**Table E-3: Proportion of Respondents - Changes Due to Inconsistent Responses**

Proportion of respondents where changes were made to the free-ridership ratio due to inconsistent responses	Upstream CFL (n=77) (Wted by Qty Installed)	Downstream CFL (n=72)	Linear (n=122)	High Bay (n=7)	Lighting Controls (n=6)	Other (n=40)	Boiler (n=1) (Wted by Therms)
		(Wted by kWh)					
Proportion of total	4.8%	12.0%	6.8%	3.2%	5.0%	12.1%	3.1%

Table E-4 details the free ridership ratio excluding those respondents that had inconsistent responses recoded.

**Table E-4: Free-Ridership Ratio Excluding Inconsistent Responses Recoded**

Free-ridership ratio excluding those who had inconsistent responses recoded	Upstream CFL (n=1518) (Wted by Qty Installed)	Downstream CFL (n=530)	Linear (n=1663)	High Bay (n=209)	Lighting Controls (n=115)	Other (n=291)	Boiler (n=31) (Wted by Therms)
		(Wted by kWh)					
Free-ridership ratio	0.458	0.304	0.194	0.279	0.278	0.435	0.641

Table E-5 details the free ridership ratio of respondents that stated the measure was already installed when they first heard about the program. This answer is only included in one of the components of the final free ridership ratio. Free ridership should be high among these respondents.

**Table E-5: Free-Ridership Ratio – Respondents Who Installed Measure Before Learning of Program**

Free-ridership ratio of respondents answering that they had already installed measure before they learned of the program	Upstream CFL (n=0)	Downstream CFL (n=19)	Linear (n=16)	High Bay (n=2)	Lighting Controls (n=5)	Other (n=16)	Boiler (n=3) (Wted by Therms)
		(Wted by kWh)					
Free-ridership ratio	NA***	1.000	1.000	1.000	1.000	1.000	1.000

This table details the free ridership ratio of those respondents that stated they never would have purchased any equipment without the program. Free ridership should be low among these respondents.

**Table E-6: Free-Ridership Ratio – Respondents Who Never Purchase Equipment Without Program**

Free-ridership ratio of respondents answering they never would have purchased any equipment without the program (efficient or inefficient)	Upstream CFL (n=433)	Downstream CFL (n=341)	Linear (n=1267)	High Bay (n=109)	Lighting Controls (n=79)	Other (n=102)	Boiler (n=1) (Wted by Therms)
		(Wted by kWh)					
Free-ridership ratio	0.063	0.077	0.044	0.051	0.047	0.041	0.050

# Appendix F

## Discrete Choice Analysis

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### F.1 Discrete Choice Approach

In addition to the self-report approach, a discrete choice approach was utilized in the net-to-gross assessment, only for linear fluorescent measures. The analysis relies on data gathered from participant and nonparticipant phone surveys and program tracking data and focuses only on key measures that are likely to also be installed outside of the program.

Once the discrete choice model results are obtained, the net-to-gross ratios are calculated as follows:

1. The probability of choosing a high efficiency option with the programs in place is calculated from the model results.
2. The probability of choosing a high efficiency option without the program is calculated by setting all the program-related variables to zero (i.e. rebates, awareness) in the probability formula.
3. The difference in these two probabilities is divided by the original probability calculated in Step 1 (equation 3) and then weighted by the *ex ante* gross impact values at the measure level.

#### F.1.1 The Discrete Choice Model

The discrete choice model combines customers' responses about their equipment choices and purchase decision process with information on measure costs and savings impacts to estimate the probability that alternative equipment options will be chosen. It also provides a method for estimating the importance of various equipment and program factors on the equipment choice decision.

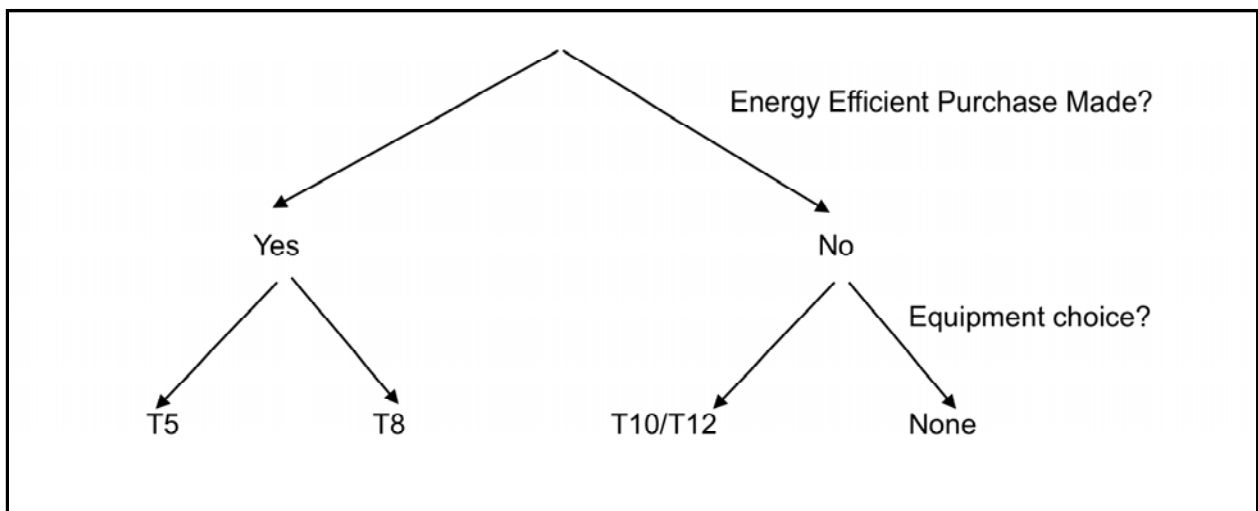
The customer equipment purchase decision process is estimated using a nested logit (NL) model. This model allows different stages in the customer purchase decision to be included in one comprehensive model and can incorporate the influences of the Small Commercial programs. Each decision stage is estimated with the relative benefits of each stage linked to



the other stages through an “inclusive value” variable.<sup>1</sup> The results will be used to estimate a net-to-gross ratio as a function of free ridership rates associated with the program.

The decision tree structure has two levels: 1) choice of efficiency level [standard/high], and 2) equipment chosen [T10/T12, T8, T5, no purchase]. The equipment choices of T10/T12 and no purchase are nested in the standard efficiency portion of the tree while the T8 and T5 equipment choices are in the high efficiency nest of the tree. This tree structure was found to be the most logical organization of the equipment alternatives as comparable lighting options are grouped together.

**Figure F-1: Customer Purchase Decision Process**



The probability of purchasing any given equipment option A (the high efficiency equipment) can be expressed as the product of two separate probabilities: the probability that a purchase is made (either standard or high efficiency) multiplied by the probability that equipment option A is chosen given that a purchase is made. This can be written as:

$$1. \text{ Prob}(EE\text{Purchase} \& \text{Equipment } A) = \text{Prob}(EE\text{Purchase}) \times \text{Prob}(\text{Equipment } A | EE\text{Purchase})$$

Both of the right hand side probabilities will be estimated in a single stage model. The model simultaneously estimates the probability of the customer making a purchase (either standard or high efficiency), which is referred to here as the **purchase probability**, and the probability that a particular type of equipment is chosen given that the decision to purchase either standard or high efficiency has already been made. This second probability is referred to here as the **equipment choice probability**. The product of the purchase probability and the

<sup>1</sup> For a full technical discussion of the nested logit model specification, see *Limited-Dependent and Qualitative Variables in Econometrics* by G. S. Madalla, Cambridge University Press (1983).

equipment choice probability is the **total probability**, which reflects the unconditional probability that any individual equipment option is chosen. Once estimated, the model is used to determine the probability of purchasing high-efficiency equipment in the absence of the program. This is simulated by setting both the rebate and program awareness variables to zero in the model.

One advantage of the nested logit model is that it addresses the entire equipment choice decision for both program participants and nonparticipants using a structure that is consistent with standard microeconomic theory and utility maximization. Additionally, because the model includes both purchasers and nonpurchasers, it eliminates the potential problem of self-selection bias that may occur if only data on purchasers or participants were used. Because the nested logit model simulates the entire decision to purchase energy efficient equipment explicitly and includes observations for customers that choose options outside the program, the problem of self-selection bias is avoided.

The nested logit model specification has a dependent variable with a value of either zero or one. Customers are given a value of one indicating their actual equipment choice and a zero for all non-chosen alternatives. The nested logit model specification is defined as:

$$2. \quad EE\ CHOICE = \alpha' Rebate + \beta' MeasureCost + \rho' X + \gamma' Y + \vartheta' Z + \varepsilon$$

The coefficients on *Rebate* and *Measure Cost* apply to all equipment choices. The explanatory variables *X*, *Y*, and *Z* contain choice-specific variables (*Awareness*, *Building Age*, *Square Feet*, *Lease*, *New*) for the T8, T5, and No-Purchase equipment choices, respectively. These coefficients are estimated for each of the four choices minus one, and in this model the T10/T12 equipment option is treated as the base case and therefore dropped from the estimation.

The following table shows the specific variables included in the nested logit model.

**Table F-1: Description of Model Variables**

<b>Variable</b>	<b>Description</b>	<b>Data Type</b>	<b>Source</b>
Rebate	Rebate available to each business for T5 and T8 linear lighting; Rebate equals zero for T10/T12 and no-purchase options and for all choices if unaware of EE program.	Continuous	Tracking data, ECONW calcs
Measure Cost	Purchase cost associated with each lighting choice; For no-purchase option, cost is equal to 1/15 of cost of T10/T12 lighting cost as an estimate of annual maintenance cost.	Continuous	Tracking data, ECONW calcs
Awareness	Indicates awareness of EE program.	Binary	P/NP Survey
Building Age	Age in years of building.	Continuous	P/NP Survey
Building Square Feet	Natural logarithm of square feet. Log specification was chosen as way to break colinearity relationship with rebate and measure cost variables, which are based on square feet of facility.	Continuous	P/NP Survey
Lease	Indicates that the business leases their building.	Binary	P/NP Survey
New	Indicates whether business is in the new 2006-08 program sample or in the old 2004-05 program sample.	Binary	P/NP Survey

The model sample data include nonparticipants from the 2004-05 program evaluation in order to provide additional data points to our sample and create a more robust model. The nonparticipant survey for the 2004-05 evaluation was conducted during the 2006-08 program cycle, so these data provide relevant nonparticipant information to the current evaluation. Participants who did not purchase linear lighting as part of their program participation are not included in the model. Table F-2 below shows the breakdown between participants and nonparticipants from 2004-05 and 2006-08 for the sample used in the final model.

**Table F-2: Model Sample**

<b>Group</b>	<b>Sample Size</b>
Participants 2006-08	620
Nonparticipants 2004-05	2,939
Nonparticipants 2006-08	1,039
<b>Total</b>	<b>4,598</b>

**Model Results**

Coefficients from the nested logit model are shown in Table F-3 and Table F-4. Because of the structure of the nested logit model, the coefficients are not directly interpretable as elasticities or probabilities. The only directly interpretable information on the coefficients is their sign (either positive or negative). The vast majority of the coefficients have the expected sign. For example, the sign on *Rebate* is positive, indicating that an increase in value of a rebate will increase the probability of taking a particular action (e.g., purchasing

energy efficient lighting). Likewise, the sign on the *Measure Cost* variable is negative, indicating that as the cost of a measure increases, the likelihood of choosing that measure decreases. The choice-specific program variable (*Awareness*) also has the expected positive sign for the T8 and T5 options, relative to the T10/T12 base case.

Within the nested logit model, certain coefficient estimates apply to all choices—the *Rebate* and *Measure Cost* variables—and other coefficients are estimated for each of the four choices minus one. Because there are four choices for the nested logit model (T10/T12, T8, T5, No-purchase), there are three sets of such coefficients. For the results shown in Table F-3, *T10/T12* represents the base case.

The last two coefficients in Table F-3 are the inclusive values (IV) parameters. The IV parameters link the two levels of the nested logit model and are used in such calculations as consumer surplus or perceived benefit of each of the choices. As is common in nested logit model estimation, one of the two IV parameters is fixed (in this case at 1.0) and the other is allowed to vary. The value of the (free) IV parameter must lie between 0 and 1.0 in order for the nested logit model to be consistent with utility maximization. In this case, the value of the free IV parameter, 0.95, is statistically significantly less than 1.0 and greater than 0, thus the nested logit model is consistent with utility maximization.

**Table F-3: Nested Logit Coefficients**

Variable	Coefficient	Std. Err.	T-stat	Prob
Rebate	0.00025	0.00000171	148.757	< 1%
Measure Cost	-0.00009	0.00000067	-131.103	< 1%
<b>Coefficients for T8 Linear Lighting Purchase</b>				
Awareness	0.21772	0.01503	14.486	< 1%
Building Age	-0.02148	0.00018	-118.933	< 1%
Log Square Feet	-0.35321	0.00119	-297.155	< 1%
Lease	-0.61057	0.00924	-66.106	< 1%
New	0.20722	0.01014	20.441	< 1%
<b>Coefficients for T5 Linear Lighting Purchase</b>				
Awareness	0.67203	0.01073	62.62	< 1%
Building Age	-0.01712	0.00023	-73.682	< 1%
Log Square Feet	-0.20427	0.00257	-79.421	< 1%
Lease	-0.47872	0.00739	-64.796	< 1%
New	0.18055	0.00724	24.936	< 1%
<b>Coefficients for No Linear Lighting Purchase</b>				
Awareness	0.86069	0.02490	34.565	< 1%
Building Age	-0.04276	0.00065	-65.524	< 1%
Log Square Feet	0.04482	0.00452	9.907	< 1%
Lease	-0.58096	0.02016	-28.815	< 1%
New	-1.56074	0.02273	-68.677	< 1%
<b>IV Parameters</b>				
No EE LL Nest	1		***Fixed Parameter	
EE LL Nest	0.95422496	0.00938464	101.6794422	< 1%

Source: Analysis by ECONorthwest

**Table F-4: Model Output Statistics**

Statistic	Value
Log Likelihood Function	-750,230
Restricted Log Likelihood	-2,750,726
McFadden Pseudo R-squared	0.727

Source: Analysis by ECONorthwest

### **F.1.2 Net-to-Gross Ratios**

The net-to-gross ratio is calculated using the change in probability of purchasing high efficiency equipment with and without the program. As shown in the formula below, the net-to-gross ratio is the difference in the probability of purchasing high efficiency equipment with and without the program divided by the probability of purchasing the high efficiency option with the program:

$$3. \quad NTG = \frac{PROB_{TOTAL,j}^w - PROB_{TOTAL,j}^{wo}}{PROB_{TOTAL,j}^w}$$

where:

$PROB_{TOTAL,j}^w$  = Probability of choosing option j with the Small Commercial program.

$PROB_{TOTAL,j}^{wo}$  = Probability of choosing option j in the absence of the Small Commercial program.

A simulation was performed on the estimated coefficients from the nested logit model to calculate a net-to-gross ratio for T8 and T5 linear lighting together. The simulation exercise examined the change in the probability of purchasing either of these linear lighting choices without the rebate associated with the Small Commercial program and without awareness of the program. As Table F-5 shows, the estimate of the net-to-gross ratio is 77 percent.

The net-to-gross ratio in Table F-5 is calculated only for the T8 and T5 participant subgroup. The participant subgroup of T5 and T8 purchasers was divided into quintiles based on expected kWh savings for each customer, and net-to-gross ratios were calculated for each quintile. A weighted average of the ratios for each quintile was calculated to arrive at the overall program net-to-gross ratio reported below.

**Table F-5: Net-to-Gross Calculations**

Linear Lighting	Net-to-Gross Ratio
T5 and T8	77%

Source: Analysis by ECONorthwest

The savings quintiles used for calculations and the net-to-gross ratios for each quintile are shown below in Table F-6. The weighted average of these numbers is equal to the 77 percent reported above.

**Table F-6: Net-to-Gross by Quintile**

Savings Quintile	Net-to-Gross Ratio
0-20%	72%
20-40%	71%
40-60%	73%
60-80%	83%
80-100%	83%

Source: Analysis by ECONorthwest

Net-to-gross ratios were also calculated separately for T8s and T5s for each IOU and these are shown in Table F-7 below. These were calculated by the same method as described above, using *ex ante* savings as weights for each customer.

**Table F-7: Net-to-Gross by IOU<sup>2</sup>**

IOU	Net-to-Gross Ratio		
	Overall	T8	T5
Combined	77%	73%	89%
PG&E	74%	64%	87%
SCE	80%	78%	92%
SDG&E	72%	68%	89%

Source: Analysis by ECONorthwest

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<sup>2</sup> The utility variable provided in the participant survey dataset was used to identify the IOU for each customer. Customers with their utility listed as “Edison,” “SCE,” “SCG,” or “SoCalGas” are all included in the SCE group for this table.

# Appendix G

## Lighting Logger Data Analysis

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### G.1 Overview

The primary objectives of the lighting logger analysis were to develop 8760 impact load shapes and Unit Energy Savings (UES) values for the following nonresidential lighting HIMs by IOU, program, market segment and measure: linear fluorescents, upstream CFLs, downstream CFLs and high bay fixtures.

In order to calculate the impact load shape, pre-retrofit and post-retrofit load shapes are developed and the difference is the impact load shape. Furthermore, pre- and post-retrofit load shapes were developed by separately estimating pre- and post-wattage and pre- and post-time of use load shapes (percent on load shapes). Therefore, for any given hour the load impact is estimated as:

$$\text{Impact\_Hour}_i = (\text{Pre\_Wattage} \times \text{Percent\_On\_Pre\_Hour}_i) - (\text{Post\_Wattage} \times \text{Percent\_On\_Post\_Hour}_i)$$

Below we discuss the data sources that were utilized to estimate each of the individual parameters that comprise the impact load shapes and UES values, as well as the methods that were employed to derive the impact load shapes and UES values.

### G.2 Data Sources

The development of impact load shapes are supported by the following primary data collection activities:

**Time of Use Lighting Loggers.** Two distinct monitoring activities were conducted. These data were used to develop the pre- and post-retrofit percent-on load shapes.

- **Post-Only study monitoring.** A sample of linear fluorescent, high bay lighting, upstream CFL, and downstream CFL sites were monitored to gather time-of-use data on rebated equipment. Lighting loggers using optical sensors were the predominant type used for the post-only study.



- **Pre-Post study monitoring.** A sample of linear fluorescent and high bay lighting participants were monitored to gather time of use data on both pre-existing equipment as well as post-retrofit equipment. Current transformer (CT) loggers were the predominant type used for the pre-post study.

**Spot Watt Measurements.** Spot watt measurement was performed only for linear fluorescent and high bay measures on both pre-retrofit and post-retrofit equipment. These data were used to support the estimates of pre and post wattage.

**On-Site Data Collection.** On-site data collection supported a number of evaluation objectives in addition to the installation of the time of use lighting loggers and performing spot watt measurements. Verification data was collected to support installation rates as well as storage rates for CFLs. Equipment manufacturer and model numbers were collected in order to perform lookups that would provide information of the wattage of installed equipment to support the estimate of pre- and post-retrofit wattages. Self-report data was also gathered on the wattage of pre-existing equipment for CFLs to help support the estimate of pre-retrofit wattages. Finally, self-report data was gathered on lighting equipment usage schedules to aid in the development of pre-retrofit load shapes.

### **G.3 Time of Use Monitoring**

The primary use for the lighting logger data was to support the development of pre and post time of use (or percent-on) load shapes. Two separate, but complimentary, lighting studies were conducted for this effort. The *Post-Only* study conducted by Itron focused on post-retrofit time of use data for linear fluorescent, high bay lighting, upstream CFL and downstream CFL fixtures. The *Pre-Post* study conducted by Summit Blue focused on both pre- and post-retrofit data for linear fluorescent and high bay lighting fixtures.

#### **G.3.1 Sample Design**

The sample for the time of use lighting logger study was designed to meet the objective of estimating the mean lifetime avoided cost savings associated with each of the four HIMs, measured with a high level of confidence. The target level of precision at the IOU portfolio level for each of these four HIMs is as follows: estimate the mean lifetime avoided cost savings with a relative precision of 10% (the margin of error is 10% of the mean) measured at the 90% confidence interval (90/10)<sup>1</sup> for upstream CFLs and linear fluorescent lighting, 90/15 for high bay lighting, and 90/20 for downstream CFLs.

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<sup>1</sup> 90/10 refers to a 90% confidence interval and 10% relative precision.

Logger data from the 2003 and 2004-05 Express Efficiency evaluations for CFLs and linear fluorescent fixtures (linear fluorescents were only monitored in 2004-05, with a small sample of high bay fixtures included) were used to help guide the sample design.

Samples by HIM were developed at the IOU and market segment level (for a number of key market segments). The IOU level sample sizes were developed to achieve the overall stated level of precision as mentioned above. The market segment level samples were based on a proportional allocation of the overall sample size, proportional to lifetime avoided cost savings, based on program tracking data. Often times, in order to meet these sample sizes, a census was attempted on the participant population.

***Linear Fluorescent.*** Based on the analysis of recent Express Efficiency evaluations, for linear fluorescents it was determined that approximately 80 sites at the IOU level would meet this 90/10 precision goal (based on an unweighted distribution of logger data, resulting in a calculated coefficient of variation (CV) of 0.54)<sup>2</sup>. This would require a total of 240 monitored sites across the three IOUs.

***High Bay Fixtures.*** The 2004-05 Express Efficiency lighting logger study included a small sample of high bay fixtures. These data indicated that the CV for high bay fixtures were very similar to that of T8s, with a CV of 0.6. A sample size of 50 for each of the three IOUs would meet the 90/15 precision goal set for this measure, for a total of 150 sites statewide.

***Upstream CFL.*** Based on the analysis of the 2003-2005 Express logger data, a sample size of approximately 185 sites would be necessary to achieve the 90/10 relative precision goal. This was based on an unweighted CV of 0.83. Unlike linear fluorescents, there was significantly more variation in the CV across the handful of market segment-space types analyzed. Therefore, 555 sites statewide would be required.

***Downstream CFLs.*** As mentioned, the analysis of the 2003-2005 Express logger indicated the average CV for CFLs was 0.83. A sample size of 45 with a CV of 0.83 provides a 90/20 level of precision, for a total statewide sample size of 135.

Based on the above, 1,080 sites would be required to meet the overall precision goals for these four HIMs. However, this study had a number of secondary objectives that required additional monitoring resources. The first was to develop baseline load shapes for linear

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<sup>2</sup> The coefficient of variation, or CV, is the standard deviation divided by the mean. A lower CV results in a smaller sample size being needed to achieve a given level of relative precision, as there is less variation relative to the mean.

fluorescent and high bay fixtures. In order to do this, both pre- and post-retrofit data were planned for monitoring. Additional secondary objectives include estimating mean lifetime avoided cost savings and developing hourly (8,760) load shapes for each HIM, for a number of key market segments, and for a number of space types within each market segment.

In order to meet some of the secondary objectives, some samples sizes were increased beyond what was needed to meet the primary objective, and some pre-retrofit data was collected. A total of 1,400 monitored sites were initially budgeted for these activities and allocated as follows: 600 sites of post-retrofit monitoring of upstream CFLs, 200 sites of post-retrofit monitoring of downstream CFLs, 250 sites of post-retrofit and 200 sites of pre- and post-retrofit monitoring of linear fluorescents (non high-bay), and 50 sites of post-retrofit and 100 sites of pre- and post-retrofit monitoring of high-bay lighting. All of these samples were greater than that required by the primary sample objective, and would be sufficient to meet the secondary objectives with a reasonable level of precision.

Initially, it was also expected that as many as 50 of the pre-post monitored sites would also include the monitoring of fixtures controlled by occupancy sensors. If this were the case, monitored data could also be used to evaluate the lighting controls HIM. Unfortunately, this was not the case, so this HIM was not evaluated using lighting logger data.

Furthermore, due to difficulties in recruiting customers for the pre-post component of this study, very few high bay participants were monitored, and only 104 linear fluorescent participants were monitored with both pre and post data.

Finally, many of the customers visited onsite for the upstream CFL sample were unable to be monitored, in many instances because the lamps installed by the customer were not screw-in CFLs as they claimed during the recruitment phone interview. Therefore, only 446 upstream CFL sites were monitored.

Table G-1 through Table G-3 below summarizes the samples sizes required to meet the primary objective. Table G-2 summarizes the increased sample sizes designed to meet the secondary objectives (these include the primary sample sizes plus additional sites). Finally, Table G-3 summarizes the achieved sample sizes for the evaluation. Discussed below in more detail are the number of sites that were actually monitored and the procedures that were used to collect and validate this data.

**Table G-1: Primary Sample Design**

HIMs	PG&E	SCE	SDG&E	Total
Linear Fluorescents	80	80	80	240
High Bay	50	50	50	150
Upstream CFLs	185	185	185	555
Downstream CFLs	45	45	45	135
Occupancy Sensors				0
<b>Statewide</b>	<b>360</b>	<b>360</b>	<b>360</b>	<b>1,080</b>

**Table G-2: Secondary Sample Design (inclusive of Primary Design)**

HIMs	PG&E	SCE	SDG&E	Total
Linear Fluorescents - Post only	83	83	83	250
Linear Fluorescents - Pre-Post	66	67	67	200
High Bay - Post only	17	17	17	50
High Bay - Pre-Post	34	33	33	100
Upstream CFLs	200	200	200	600
Downstream CFLs	80	80	40	200
Occupancy Sensors	17	17	17	50
<b>Statewide</b>	<b>480</b>	<b>480</b>	<b>440</b>	<b>1,400</b>

**Table G-3: Achieved Sample Sizes**

HIMs	PG&E	SCE	SDG&E	Total
Linear Fluorescents - Post only	145	161	133	439
Linear Fluorescents - Pre-Post	35	61	1	97
High Bay - Post only	26	13	6	45
High Bay - Pre-Post	2	-	2	4
Upstream CFLs	155	156	140	451
Downstream CFLs	93	104	37	234
Occupancy Sensors				-
<b>Statewide</b>	<b>389</b>	<b>405</b>	<b>287</b>	<b>1,081</b>

### **G.3.2 Data Collection Content**

Generally, the data collected at each site included both visual observations and measurements. At each site, the field auditors observed the following:

- **Site Information.** This data included basic information about the business and the building itself. The field auditors recorded business type, total floor area, conditioned floor area, floor area by space use type, business hours, and also verified the cooling

system type and heating fuel type reported by the phone survey. The conditioning state (unconditioned, heated, cooled, etc.) of each space use area was also noted.

- ***Customer Reported Equipment Operating Schedule.*** In addition to business hours, the field auditors asked the customers about equipment operation schedules for each specific lighting circuit with rebated fixtures. These schedules were recorded as the percent “on” time in each hour of every week day. Seasonal schedule variations were also recorded.
- ***Lighting Fixture-Lamp Data.*** Detailed information was collected for every rebated (or “targeted” in the case of upstream measures) fixture and lamp. For the Post-Only study, a predominant fixture configuration approach was used. For the Pre-Post study, an attempt was made to inventory every unique ballast and lamp combination affected by the retrofit. In both cases, the information recorded included lamp manufacturer and model number, lamp quantity, lamp length and diameter (if linear fluorescent), and ballast manufacturer and model number. It also included contextual data not directly affecting fixture power such as lighting application, mounting type, reflector, and floor-to-fixture height.
- ***Lighting Inventory.*** The final component of the field observations was the lighting inventory. This task required the field auditors to identify the rebated/targeted equipment with the lighting loggers that were used to represent their operation. For the post-only study, as many loggers were used as needed to represent the different activity areas and schedules. For the pre-post study, the field auditors identified the lighting circuits feeding every fixture affected by the retrofit. Each lighting circuit was defined as serving one previously defined space type, and with one customer-reported schedule. The field auditors then recorded the quantity and type of fixtures on each of these defined circuits. The information contained in the lighting inventory provided the “load” portion of determining the 8,760 load shape for the circuit. When combined with all of the other lighting circuits at the site, the load could be aggregated at both the site and space-type level.

The other task required of the field auditors was to collect actual measurements of both fixture power data and the time-of-use for each lighting circuit defined in the lighting inventory. Specifically, the field auditors conducted:

- ***Spot Watt Measurements.*** As part of the pre-post lighting study, the field auditors conducted spot measurements of power for as many defined fixtures as safety and time allowed. Most often, this measurement was taken at the fixture, upstream of the ballast. When fixtures could not be accessed due to height or safety issues, the field auditors took spot measurements at the point-of-control (such as the switch), or at the electrical panel. The field auditors recorded volts, power factor, amps, and watts for every measurement, and they conducted on-the-spot quality

control calculations to ensure the integrity of their measurements. Finally, the field auditors recorded the perceived condition of the fixture on which they took the measurement. For the post-only study, a spot watt measurement was only needed if ballast model information could not be obtained, a suitable circuit could be found, and the customer agreed to it; measurements were only made at the wall switch.

- ***Time-of-Use Data Logging.*** This critical measurement involved leaving data loggers in place over some period to capture the typical usage of each defined lighting circuit. The goal was not only to determine time-of-use for the fixtures on the lighting circuit, but for the pre-post study to also see if the usage changed from pre- to post-retrofit. The field auditors attempted to install at least one data logger on every circuit feeding fixtures affected by the retrofit; often, a “backup” logger was also installed in case the primary logger failed. The information provided by the logger data provides the “shape” portion of determining the 8,760 load shape for this circuit. When combined with all of the other lighting circuits at the site, the shape can be aggregated at both the site and space-type level.

### ***G.3.3 Post-Only On-Site Survey Data Collection Summary***

The post-only lighting logger sample frame was developed from 2006-2008 program participants that installed linear fluorescents, high bay lighting, and downstream CFLs. Recruitment for these participants was done as part of a phone survey; the study was briefly described and respondents were specifically asked if Itron could install lighting loggers at their site. An additional telephone survey was implemented on the nonresidential population to identify recent purchasers of CFLs, which was used as the sample frame for upstream CFL recruitment.

Once on-site, surveyors attempted to log every activity area where rebated CFLs and linear fluorescent lamps were installed. Activity areas are defined as areas at the premise that have different operating schedules. However, site contacts restricted access to some areas at a few of the sites that were visited. Within each activity area, the lamps and fixtures that were logged were selected at random. Time-of-use lighting loggers were installed at the premise for approximately two months to gather data. On average, seven loggers per site were installed. Installation of logging equipment was also not always possible due to a variety of other reasons. Engineers were limited in their efforts to install monitoring equipment at sites where fixtures were too high and could not be reached, or were not accessible for any other reason, or where there was no place on a fixture to install a logger, or where there was too much ambient light to be able to logger efficiently. For sites where monitoring was not feasible, data was still collected to support the verification analysis. Furthermore, there were some upstream CFL sites that, when visited, were determined to not have installed any CFLs.

Table G-4 summarizes the number of sites visited, the number where loggers were installed, the number used for verification analysis, and the number that were unable to support any analysis. Table G-5 through Table G-8 provide the distribution of sites visited and loggers installed by IOU, market segment and activity area for linear fluorescents, high bay lighting, downstream CFLs and upstream CFLs for the post-retrofit only study.

**Table G-4: Post-Only Sites Visited, Unable to be Used, Used in the Verification Analysis, and Monitored**

HIMs	PG&E	SCE	SDG&E	Total
<b>SITES VISITED</b>				
Linear Fluorescents	179	203	233	615
High Bay	42	26	42	110
Upstream CFLs	272	266	300	838
Downstream CFLs	136	154	56	346
<b>Statewide</b>	<b>537</b>	<b>525</b>	<b>565</b>	<b>1,627</b>
<b>SITES LOST</b>				
Linear Fluorescents	21	20	9	50
High Bay	3	3	6	12
Upstream CFLs	98	78	109	285
Downstream CFLs	13	12	5	30
<b>Statewide</b>	<b>135</b>	<b>113</b>	<b>129</b>	<b>377</b>
<b>SITES VERIFIED</b>				
Linear Fluorescents	158	183	224	565
High Bay	39	23	36	98
Upstream CFLs	174	188	191	553
Downstream CFLs	123	142	51	316
<b>Statewide</b>	<b>402</b>	<b>412</b>	<b>436</b>	<b>1,250</b>
<b>SITES MONITORED</b>				
Linear Fluorescents	145	162	134	441
High Bay	29	13	7	49
Upstream CFLs	156	160	144	460
Downstream CFLs	98	110	38	246
<b>Statewide</b>	<b>352</b>	<b>344</b>	<b>284</b>	<b>980</b>

**Table G-5: Total Loggers Installed in Post-Only Linear Fluorescent Sites**

Market Segment  Activity Area	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Assembly</b>								
Assembly	3	5	3	19	11	45	17	69
HallwayLobby	2	4	1	2	6	10	9	16
Kitchen/Breakroom	3	5	1	1	7	15	11	21
Office	5	11	2	9	8	26	15	46
Other/Misc	7	29	4	13	9	35	20	77
<b>Total Assembly</b>	<b>7</b>	<b>54</b>	<b>4</b>	<b>44</b>	<b>11</b>	<b>131</b>	<b>22</b>	<b>229</b>
<b>Grocery</b>								
OtherMisc	2	5	2	8	2	9	6	22
RetailSales	3	12	5	23	2	10	10	45
<b>Total Grocery</b>	<b>3</b>	<b>17</b>	<b>5</b>	<b>31</b>	<b>2</b>	<b>19</b>	<b>10</b>	<b>67</b>
<b>Health/Medical - Clinic</b>								
Comm/IndWork	2	4	6	13	2	3	10	20
HallwayLobby	7	14	18	42	3	17	28	73
Kitchen/Breakroom	6	8	6	7	1	1	13	16
Office	5	22	18	62	3	7	26	91
OtherMisc	6	24	9	17	2	2	17	43
PatientRooms	1	10	8	16	1	10	10	36
Storage	1	2	8	11	2	2	11	15
<b>Total Health/Medical - Clinic</b>	<b>8</b>	<b>84</b>	<b>21</b>	<b>168</b>	<b>3</b>	<b>42</b>	<b>32</b>	<b>294</b>
<b>Office - Small</b>								
Comm/IndWork	5	13	6	11	15	42	26	66
ConferenceRoom	13	16	9	16	2	3	24	35
HallwayLobby	18	37	12	26	18	39	48	102
Kitchen/Breakroom	9	11	11	13	15	19	35	43
Office	28	112	28	97	32	138	88	347
OtherMisc	4	6	4	8	4	9	12	23
Restrooms	3	5	2	2	6	7	11	14
Storage	14	17	10	16	9	14	33	47
<b>Total Office - Small</b>	<b>28</b>	<b>217</b>	<b>31</b>	<b>189</b>	<b>35</b>	<b>271</b>	<b>94</b>	<b>677</b>
<b>Other</b>								
Comm/IndWork	8	23	15	49	7	26	30	98
HallwayLobby	12	33	12	22	7	20	31	75
Office	19	66	17	39	13	33	49	138
OtherMisc	19	83	22	63	7	25	48	171
Outdoor	-	-	1	1	-	-	1	1
Restrooms	4	7	6	8	3	3	13	18
Storage	9	21	11	19	5	14	25	54
<b>Total Other</b>	<b>32</b>	<b>233</b>	<b>33</b>	<b>201</b>	<b>16</b>	<b>121</b>	<b>81</b>	<b>555</b>



**Table G-5 (cont'd.): Total Loggers Installed in Post-Only Linear Fluorescent Sites**

Market Segment	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Restaurant</b>								
Dining	2	5	5	11	5	11	12	27
Kitchen/Breakroom	3	6	7	10	3	6	13	22
OtherMisc	3	7	4	7	2	6	9	20
Outdoor	1	1	-	-	-	-	1	1
<b>Total Restaurant</b>	<b>5</b>	<b>19</b>	<b>7</b>	<b>28</b>	<b>6</b>	<b>23</b>	<b>18</b>	<b>70</b>
<b>Retail - Small</b>								
AutoRepairWorkshop	11	29	10	24	8	23	29	76
Comm/IndWork	11	25	12	29	12	28	35	82
HallwayLobby	10	16	10	18	13	27	33	61
Kitchen/Breakroom	9	10	10	13	6	7	25	30
Office	30	71	17	36	23	46	70	153
OtherMisc	7	9	8	9	3	6	18	24
Outdoor	-	-	-	-	2	3	2	3
Restrooms	9	14	4	5	4	4	17	23
RetailSales	38	119	34	101	31	126	103	346
Storage	20	39	24	52	19	35	63	126
<b>Total Retail - Small</b>	<b>55</b>	<b>332</b>	<b>52</b>	<b>287</b>	<b>49</b>	<b>305</b>	<b>156</b>	<b>924</b>
<b>Warehouse</b>								
Office	5	16	4	20	9	46	18	82
OtherMisc	5	14	4	14	8	27	17	55
Storage	4	16	6	19	6	14	16	49
<b>Total Warehouse</b>	<b>7</b>	<b>46</b>	<b>9</b>	<b>53</b>	<b>12</b>	<b>87</b>	<b>28</b>	<b>186</b>
<b>TOTAL</b>	<b>145</b>	<b>1,002</b>	<b>162</b>	<b>1,001</b>	<b>134</b>	<b>999</b>	<b>441</b>	<b>3,002</b>

**Table G-6: Total Loggers Installed in Post-Only High Bay Sites**

Market Segment	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Other</b>								
Comm/Ind Work	17	70	7	22	6	22	30	114
OtherMisc	6	17	2	4	1	2	9	23
Storage	10	48	4	19	1	1	15	68
<b>Total Other</b>	<b>29</b>	<b>135</b>	<b>13</b>	<b>45</b>	<b>7</b>	<b>25</b>	<b>49</b>	<b>205</b>

**Table G-7: Total Loggers Installed in Downstream CFL Sites**

Market Segment  Activity Area	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Assembly</b>								
Assembly	2	8	5	20	3	4	10	32
HallwayLobby	5	8	5	12	4	7	14	27
OtherMisc	5	13	5	13	5	10	15	36
Restrooms	3	6	2	2	4	7	9	15
<b>Total Assembly</b>	<b>7</b>	<b>35</b>	<b>7</b>	<b>47</b>	<b>9</b>	<b>28</b>	<b>23</b>	<b>110</b>
<b>Health/Medical - Clinic</b>								
HallwayLobby	4	16	7	10	1	2	12	28
OtherMisc	3	26	5	10	1	2	9	38
Restrooms	2	3	8	16	-	-	10	19
<b>Total Health/Medical - Clinic</b>	<b>6</b>	<b>45</b>	<b>14</b>	<b>36</b>	<b>1</b>	<b>4</b>	<b>21</b>	<b>85</b>
<b>Lodging</b>								
Guest Rooms	17	167	3	29	3	39	23	235
OtherMisc	13	45	1	11	1	5	15	61
<b>Total Lodging</b>	<b>20</b>	<b>212</b>	<b>3</b>	<b>40</b>	<b>3</b>	<b>44</b>	<b>26</b>	<b>296</b>
<b>Office - Small</b>								
OtherMisc	9	13	7	9	-	-	16	22
Restrooms	9	15	24	24	5	6	38	45
<b>Total Office - Small</b>	<b>13</b>	<b>28</b>	<b>25</b>	<b>33</b>	<b>5</b>	<b>6</b>	<b>43</b>	<b>67</b>
<b>Other</b>								
OtherMisc	9	20	7	11	1	1	17	32
Restrooms	5	9	11	15	5	7	21	31
Storage	3	3	6	7	-	-	9	10
<b>Total Other</b>	<b>14</b>	<b>32</b>	<b>17</b>	<b>33</b>	<b>6</b>	<b>8</b>	<b>37</b>	<b>73</b>
<b>Restaurant</b>								
OtherMisc	3	15	3	7	1	1	7	23
Restrooms	3	4	3	4	1	1	7	9
<b>Total Restaurant</b>	<b>4</b>	<b>19</b>	<b>4</b>	<b>11</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>32</b>
<b>Retail - Large</b>								
RetailSales	4	11	4	9	-	-	8	20
<b>Total Retail - Large</b>	<b>4</b>	<b>11</b>	<b>4</b>	<b>9</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>20</b>
<b>Retail - Small</b>								
OtherMisc	4	5	8	12	1	2	13	19
Outdoor	-	-	1	1	-	-	1	1
Restrooms	21	28	29	36	10	12	60	76
RetailSales	7	14	6	8	2	3	15	25
Storage	7	10	6	9	1	2	14	21
<b>Total Retail - Small</b>	<b>30</b>	<b>57</b>	<b>36</b>	<b>66</b>	<b>12</b>	<b>19</b>	<b>78</b>	<b>142</b>
<b>TOTAL</b>	<b>98</b>	<b>439</b>	<b>110</b>	<b>275</b>	<b>38</b>	<b>111</b>	<b>246</b>	<b>825</b>

**Table G-8: Total Loggers Installed in Upstream CFL Sites**

Market Segment	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Assembly</b>								
Assembly	9	23	7	21	4	12	20	56
HallwayLobby	13	26	16	46	4	7	33	79
Kitchen/Breakroom	2	3	5	7	1	1	8	11
Office	4	11	9	13	1	3	14	27
OtherMisc	7	20	13	38	4	9	24	67
Outdoor	2	5	1	1	2	5	5	11
Restrooms	8	15	15	22	6	9	29	46
Storage	8	12	9	12	2	2	19	26
<b>Total Assembly</b>	<b>22</b>	<b>115</b>	<b>26</b>	<b>160</b>	<b>13</b>	<b>48</b>	<b>61</b>	<b>323</b>
<b>Health/Medical - Clinic</b>								
HallwayLobby	1	2	6	15	11	19	18	36
Office	3	8	3	8	7	13	13	29
OtherMisc	1	1	5	17	5	7	11	25
Restrooms	-	-	4	6	6	10	10	16
<b>Total Health/Medical - Clinic</b>	<b>4</b>	<b>11</b>	<b>8</b>	<b>46</b>	<b>16</b>	<b>49</b>	<b>28</b>	<b>106</b>
<b>Lodging</b>								
Guest Rooms	29	172	33	193	7	90	69	455
HallwayLobby	16	35	23	60	10	24	49	119
Kitchen/Breakroom	2	3	4	8	2	4	8	15
Mechanical/Electrical Room	5	7	8	9	2	4	15	20
Office	-	-	8	11	3	3	11	14
OtherMisc	6	14	7	14	2	8	15	36
Outdoor	2	3	6	9	-	-	8	12
Restrooms	12	27	13	25	7	11	32	63
Storage	3	5	7	8	2	3	12	16
<b>Total Lodging</b>	<b>31</b>	<b>266</b>	<b>37</b>	<b>337</b>	<b>11</b>	<b>147</b>	<b>79</b>	<b>750</b>
<b>Office - Small</b>								
HallwayLobby	12	36	12	26	10	17	34	79
Office	7	16	8	11	12	25	27	52
OtherMisc	7	14	5	10	5	9	17	33
Outdoor	1	4	3	13	-	-	4	17
Restrooms	4	4	8	11	13	21	25	36
Storage	8	10	-	-	4	7	12	17
<b>Total Office - Small</b>	<b>17</b>	<b>84</b>	<b>20</b>	<b>71</b>	<b>29</b>	<b>79</b>	<b>66</b>	<b>234</b>
<b>Other</b>								
HallwayLobby	9	16	7	20	5	17	21	53
Office	9	10	2	2	3	6	14	18
OtherMisc	9	16	8	20	4	14	21	50
Outdoor	2	7	-	-	-	-	2	7
Restrooms	12	21	12	34	8	18	32	73
Storage	11	20	4	16	2	5	17	41
<b>Total Other</b>	<b>21</b>	<b>90</b>	<b>19</b>	<b>92</b>	<b>14</b>	<b>60</b>	<b>54</b>	<b>242</b>
<b>Restaurant</b>								
Dining	15	30	21	56	16	37	52	123
HallwayLobby	10	21	11	19	4	4	25	44
Kitchen/Breakroom	4	4	14	18	3	3	21	25
Office	5	6	6	7	4	4	15	17
OtherMisc	2	2	-	-	1	2	3	4
Outdoor	2	2	1	1	1	1	4	4
Restrooms	19	33	14	21	7	9	40	63
Storage	14	33	8	13	6	9	28	55
<b>Total Restaurant</b>	<b>30</b>	<b>131</b>	<b>27</b>	<b>135</b>	<b>21</b>	<b>69</b>	<b>78</b>	<b>335</b>

**Table G-8 (cont'd.): Total Loggers Installed in Upstream CFL Sites**

Market Segment  Activity Area	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Retail - Small</b>								
HallwayLobby	3	4	3	5	8	13	14	22
Office	5	10	5	7	4	5	14	22
OtherMisc	8	14	3	4	6	9	17	27
Outdoor	2	3	-	-	-	-	2	3
Restrooms	14	18	11	20	15	21	40	59
RetailSales	15	39	11	30	19	37	45	106
Storage	10	14	5	10	3	3	18	27
<b>Total Retail - Small</b>	<b>31</b>	<b>102</b>	<b>23</b>	<b>76</b>	<b>40</b>	<b>88</b>	<b>94</b>	<b>266</b>
<b>TOTAL</b>	<b>156</b>	<b>799</b>	<b>160</b>	<b>917</b>	<b>144</b>	<b>540</b>	<b>460</b>	<b>2,256</b>

### ***G.3.4 Pre-Post On-Site Survey Data Collection Summary***

Although the pre-post study was conducted as part of the measurement and verification of the California IOUs' 2006-2008 portfolio of programs, it was not possible to include sites that fell into the 2006-2008 program years, because the study commenced at the end of 2008 and required recruitment of sites prior to the actual program participation. Because the participants were recruited during the 2009 bridge funding period, these programs were the same as those implemented in 2006-08. Therefore, it was felt that these participants would be representative of the 2006-08 participant population.

The programs within the pre-post sample included IOU-run rebate and direct install programs, third-party-run direct install programs, and local government partnership (LGP) direct install programs. Each program type had unique customer recruitment and project implementation procedures, which required a customized recruitment approach for the pre-post study. Each program type and its recruitment process are described below.

***IOU-Run Direct Install.*** SCE manages a direct install program for small commercial customers. During 2009, SCE contracted directly with three lighting installation contractors to recruit, survey, and retrofit small commercial customers within its service territory. Each contractor was assigned a geographic location and provided a listing of eligible customers within that region by SCE. The direct install contractor sent a recruiter door-to-door to solicit program participation and conduct a lighting inventory for those customers who agreed to participate. The lighting retrofit was free of cost to the customer and covered linear fluorescent and compact fluorescent fixtures. Within a week of the audit, the direct install contractor sends an installation crew behind the recruiter to retrofit those sites that had agreed to participate.

The SCE direct install program manager agreed to cooperate with the pre-post study and directed their installation contractors to send the pre-post team customer names and contact

information after the recruiter secured the customer's participation, but before the retrofit took place. The pre-post team contacted the customer to explain the study and offer them the participation compensation. If the customer agreed to participate, the first site visit was scheduled within two to three days. The pre-post team agreed to complete all the pre-retrofit work, including 14 days of data logging, with no more than a 20-day delay from the time the installation contractor provided the lead. Because of this requirement, it was not possible to schedule initial site visits out more than three days in advance. The window to retrieve the loggers (the second site visit) was usually only a day or two because it had to be made after 14 days of logger data was collected but before the 20-day mark.

***Third Party and Local Government Direct Install.*** The Ecology Action Right Lights, East Bay Energy Watch Smart Lights, and Fresno Local Government Partnership Program run by Richard Heath and Associates operate similarly to the SCE direct install program in that they first send a recruiter into a neighborhood to canvas it for recruitment then send an installation crew through to conduct the retrofits shortly after. However, each of these programs requires the customer to pay a portion of the cost for the lighting retrofit.

These programs all agreed to participate in the pre-post study and provide customer leads. Each program sent leads to the pre-post team after the customer had agreed to participate in their programs. Like the SCE Direct Install program, the pre-post team agreed to complete the pre-retrofit fieldwork within 20 days of receiving the lead.

***IOU Rebate Programs.*** The IOU rebate programs presented the biggest challenge in recruiting customers into the pre-post study and, as a result, had the lowest number of participants. The rebate programs provide a prescriptive rebate for each lighting type and configuration. The customer installs the lighting retrofit first then sends their completed rebate form and proof of purchase to the IOU for the rebate check. Therefore, the IOUs are not aware of the project until after the lighting retrofit is complete.

The rebate programs are often promoted by lighting contractors who factor the rebate amount into the project financial proposals. IOU customer account managers also promote lighting retrofits and the financial incentives available through the rebate programs to their assigned customers.

The pre-post team approached the IOU rebate program managers for their support in recruiting customers into the study. The IOU program managers arranged meetings and conference calls with their best and most active lighting contractors. The IOU program managers highlighted the importance of evaluation studies in maintaining a robust set of energy efficiency programs and requested that the contractors send leads to the pre-post team. Regular follow up calls were made by the pre-post team to each lighting contractor

reminding them of the study, the available financial compensation to themselves and their customers, and requesting that they send customers leads.

**Participation Compensation.** All customers were offered financial compensation to participate in the pre-post study. This amount varied from \$300 to \$400, depending on the program, and was intended to compensate them for their time and the disruption to their operations. As a motivation for the programs and vendors to participate, a smaller amount was offered for each lead that the pre-post team was ultimately able to schedule. This amount ranged from \$100 to \$150, depending on the program. In order to ensure the customer’s cooperation through all four site visits, their compensation was paid by check after the fourth and final site visit. Because the program and lighting vendors’ obligations were complete after the lighting retrofit, their compensation was paid, by check, after they sent confirmation that the lighting retrofit was complete.

Table G-9 summarizes the sites for which pre- and post-retrofit monitoring was performed for linear fluorescent and high bay fixtures, and the number of sites for which only pre-data was able to be monitored.

**Table G-9: Summary of Final Pre-Post Site Installations**

	<b>Linear Fluorescent</b>	<b>High Bay</b>	<b>Combination</b>	<b>Total</b>	<b>Only Pre-Retrofit Data</b>
PG&E	37	2	0	39	0
SCE	66	0	0	66	6
SDG&E	0	2	1	3	2
<b>TOTALS</b>	<b>103</b>	<b>4</b>	<b>1</b>	<b>108</b>	<b>8</b>

The shortfall in the number of completed sites was a result of the challenges in recruiting customers into the study, particularly through the rebate programs. The completed sites were recruited from only six programs, as follow summarized in Table G-10.

**Table G-10: Final Pre-Post Sites Installations by Program**

Program Name	Program Number	Completed Linear Fluorescent	Completed High Bay
East Bay LGP	PGE2020	16	0
Fresno LGP	PGE2021	2	0
Right Lights	PGE2051	19	0
Comm'l Mass Market	PGE2080	0	2
Non-Res Direct Install	SCE2511	66	0
Express Efficiency	SDGE3012 <sup>3</sup>	1	2
<b>Total</b>		<b>104</b>	<b>4</b>

The two programs above with the lowest participation, the PG&E Commercial Mass Market and the SDG&E Express Efficiency programs, are both rebate programs. The remaining programs, the SCE Non-Res Direct Install, East Bay, and Fresno LGP, and the Right Lights program all committed to work with the pre-post study and provide leads to the team. The reason for the difference in participation between the LGP and third-party direct installation programs and the lighting vendors is not entirely clear. One theory is that the LGP and third party programs are highly engaged in the energy efficiency industry in California. Both types of programs are directly funded through the IOU under the auspices of the CPUC and have direct contracts with the IOUs. As a result, they may have felt obligated to cooperate. Alternately, although the lighting vendors benefit from the IOU rebate programs, their business activities are not directly funded through them.

Because so few high bay pre-post sites were monitored, the pre-post analysis was limited to only linear fluorescent sites. Table G-11 provides a distribution of the sites visited and loggers installed by IOU, market segment and activity area for pre-post linear fluorescent sites.

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<sup>3</sup> It should be noted that the pre-post team was not able to secure any confirmation that the projects that were monitored were ultimately submitted or approved for IOU rebate programs. In the case of the SDG&E programs, even the rebate program was uncertain.

**Table G-11: Total Loggers Installed in Pre-Post Linear Fluorescent Sites**

Market Segment  Activity Area	PG&E			SCE			SDG&E			Total		
	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers
<b>Assembly</b>												
Assembly	0	0	0	1	1	4	0	0	0	0	1	4
Office	0	0	0	1	9	9	0	0	0	0	9	9
OtherMisc	2	20	12	1	6	6	0	0	0	0	26	18
<b>Total Assembly</b>	<b>2</b>	<b>20</b>	<b>12</b>	<b>2</b>	<b>16</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>36</b>	<b>31</b>
<b>Grocery</b>												
OtherMisc	1	1	1	3	7	6	0	0	0	4	8	7
Outdoor	1	2	2	1	1	1	0	0	0	2	3	3
RetailSales	2	10	10	4	19	15	0	0	0	6	29	25
<b>Total Grocery</b>	<b>2</b>	<b>13</b>	<b>13</b>	<b>4</b>	<b>27</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>40</b>	<b>35</b>
<b>Health/Medical - Clinic</b>												
Comm/Ind Work	1	2	2	3	5	6	0	0	0	4	7	8
HallwayLobby	2	4	4	3	10	9	0	0	0	5	14	13
Kitchen/Breakroom	2	2	2	3	5	5	0	0	0	5	7	7
Office	3	17	17	4	10	12	0	0	0	7	27	29
OtherMisc	0	0	0	3	7	5	0	0	0	3	7	5
Patient Rooms	1	6	6	0	0	0	0	0	0	1	6	6
Storage	1	1	1	3	4	2	0	0	0	4	5	3
<b>Total Health/Medical - Clinic</b>	<b>4</b>	<b>32</b>	<b>32</b>	<b>4</b>	<b>41</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>73</b>	<b>71</b>
<b>Office - Small</b>												
Comm/Ind Work	6	8	10	3	5	5	0	0	0	9	13	15
Conference Room	3	12	12	1	2	1	0	0	0	4	14	13
HallwayLobby	5	13	8	9	24	23	0	0	0	14	37	31
Kitchen/Breakroom	5	7	6	3	3	3	0	0	0	8	10	9
Office	10	65	54	15	72	68	0	0	0	25	137	122
OtherMisc	2	7	7	2	5	5	0	0	0	4	12	12
Restrooms	4	8	6	2	1	2	0	0	0	6	9	8
Storage	6	11	11	6	16	20	0	0	0	12	27	31
<b>Total Office - Small</b>	<b>10</b>	<b>131</b>	<b>114</b>	<b>15</b>	<b>128</b>	<b>127</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>259</b>	<b>241</b>
<b>Other</b>												
Comm/Ind Work	2	15	14	1	1	1	0	0	0	3	16	15
HallwayLobby	1	3	3	1	3	2	0	0	0	2	6	5
Office	2	10	10	2	5	8	0	0	0	4	15	18
OtherMisc	2	15	15	2	8	9	0	0	0	4	23	24
Restrooms	0	0	0	1	0	1	0	0	0	1	0	1
Storage	0	0	0	1	1	1	0	0	0	1	1	1
<b>Total Other</b>	<b>4</b>	<b>43</b>	<b>42</b>	<b>3</b>	<b>18</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>61</b>	<b>64</b>
<b>Restaurant</b>												
Dining	1	3	3	1	1	1	0	0	0	2	4	4
Kitchen/Breakroom	5	23	22	3	8	9	0	0	0	8	31	31
OtherMisc	3	11	11	2	9	11	0	0	0	5	20	22
Outdoor	0	0	0	1	3	3	0	0	0	1	3	3
<b>Total Restaurant</b>	<b>5</b>	<b>37</b>	<b>36</b>	<b>3</b>	<b>21</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>58</b>	<b>60</b>



**Table G-11 (cont'd.): Total Loggers Installed in Pre-Post Linear Fluorescent Sites**

Market Segment  Activity Area	PG&E			SCE			SDG&E			Total		
	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers
<b>Retail - Small</b>												
Auto Repair Workshop	6	46	40	5	18	15	0	0	0	11	64	55
Comm/Ind Work	1	7	11	5	15	13	0	0	0	6	22	24
HallwayLobby	2	4	4	6	13	11	0	0	0	8	17	15
Kitchen/Breakroom	1	3	2	3	7	7	0	0	0	4	10	9
Office	8	18	21	12	41	37	0	0	0	20	59	58
OtherMisc	0	0	0	10	18	20	0	0	0	10	18	20
Outdoor	2	4	3	3	10	6	0	0	0	5	14	9
Restrooms	2	3	2	6	7	5	0	0	0	8	10	7
RetailSales	4	24	24	12	56	46	0	0	0	16	80	70
Storage	4	7	9	12	22	17	0	0	0	16	29	26
<b>Total Retail - Small</b>	<b>12</b>	<b>116</b>	<b>116</b>	<b>32</b>	<b>207</b>	<b>177</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>323</b>	<b>293</b>
<b>Warehouse</b>												
Office	1	4	4	7	40	45	0	0	0	8	44	49
OtherMisc	1	12	12	7	16	12	0	0	0	8	28	24
Storage	0	0	0	7	22	33	4	16	18	11	38	51
<b>Total Warehouse</b>	<b>1</b>	<b>16</b>	<b>16</b>	<b>8</b>	<b>78</b>	<b>90</b>	<b>4</b>	<b>16</b>	<b>18</b>	<b>13</b>	<b>110</b>	<b>124</b>
<b>TOTAL</b>	<b>40</b>	<b>408</b>	<b>381</b>	<b>71</b>	<b>536</b>	<b>520</b>	<b>4</b>	<b>16</b>	<b>18</b>	<b>115</b>	<b>960</b>	<b>919</b>

### G.3.5 Logger Equipment Installed

**Post-Only Study Equipment.** For the post-only effort, two Dent Instruments logger types were used; the LIGHTINGlogger™ (TOUL-3G) and the CTlogger™ (TOUCT-3G). Both are time-of-use (TOU) type loggers and monitor on/off events. The LIGHTINGlogger, shown in Figure G-1, was the predominant logger used for the study. This logger uses a photocell sensor. The sensor, adjustment screw, and LED indicator panel are located on the front of the logger. The LED panel displays total on-time in hours, percent of time on, and the “light-on” indicator. Magnets on the top of the logger can be used to attach it to iron lighting fixtures.

**Figure G-1: Dent Instruments Lighting Logger**



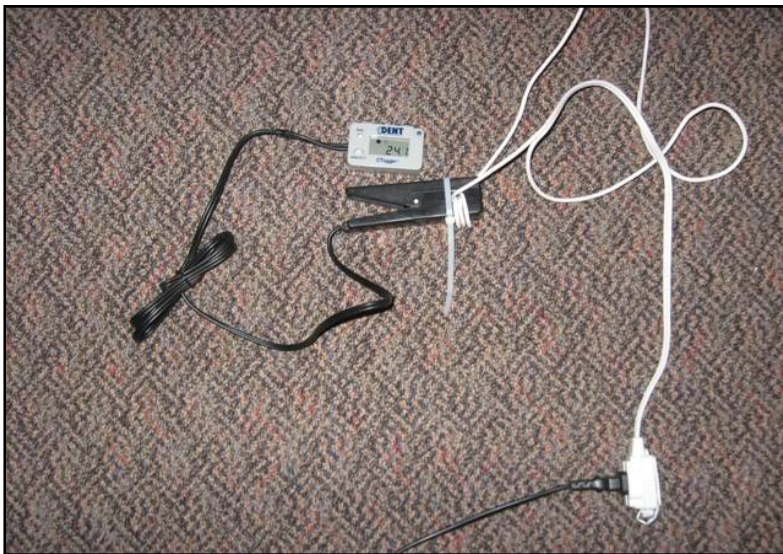
The *CTlogger* is shown in Figure G-2. The *CTlogger* monitors current flowing through an electrical cord via a clamp-on current transformer (CT). The CT logger was used to monitor plug-in wall mounted and table fixtures, such as those commonly found in hotels and motels. As with the *LIGHTINGlogger*, the adjustment screw and LED indicator panel are located on the front of the logger. For most installations, a split-wire extension cord was also used with the CT logger. The CT must be clamped around a single wire, so an extension cord was used instead of altering the original fixture plug wire. As shown in Figure G-3, the split extension cord wire is wound around the prongs of the CT logger, and the CT is zip tied to ensure that it remains clamped around the wire. Because the minimum current sensitivity of the logger (0.25 amps) was below that for a single lamp (12W CFL. 120V = 0.1 amps), typically at least three twists were required to ensure that the logger would register. Surveyors were instructed to use as many twists as needed to register fixture operation at its minimum operation state, for example, for a two lamp fixture with independent switching the minimum would be one lamp.

Detailed procedures governing the setup, adjustment, installation, and extraction of the lighting loggers were developed and are contained in Appendix B.

**Figure G-2: Dent Instruments CT Logger**



**Figure G-3: Dent CT Logger and Split-Wire Extension Cord**



**Pre-Post Study Equipment.** The two DENT loggers used for the post-only study were also used for the pre-post study. However, because the emphasis for the pre-post study was current monitoring (primarily at the fixture) the DENT CT logger was the predominant type. In addition, the pre-post effort used the Onset CTV-A/B/C split-core AC current transformer, paired with an Onset HOBO 4-channel data logger. This data logger assembly is shown in Figure G-4. These HOBO data loggers were used for panel-level (circuit breaker) monitoring whenever many points-of-control (POCs) fed into the same the circuit breaker. They were also used in limited cases at the fixture, instead of the DENT CT logger. Unlike the DENT loggers, which are on/off event loggers, the HOBO data loggers recorded were set up as sampling loggers and monitored current at a five-minute sampling rate. An LED on the side of the logger confirms logger operation. The light should blink once every one to four seconds. The shorter the logging interval, the faster the light blinks.

**Figure G-4: Onset CTV-A/B/C with Onset HOBO 4-Channel Data Logger**



Loggers were installed at the electrical panel, the circuit, or on the fixture, the preferred location. For installation at the fixture, a DENT CT logger would typically be used, often in tandem with a DENT TOU logger installed as a “back-up”. HOBO loggers were reserved for electrical panels and circuits. If the logger was used at the panel, multiple loggers might be needed, depending on the number of individual circuits. If the HOBO logger was used to monitor a fixture, only one channel was used unless measuring a bi-level switched fixture which would use two channels. The size of the CT used, for example a CTV-A covers 0-20 amps, was determined by the application. Selecting the correct CT size was a critical part of the process because if the range maximum is exceeded it will corrupt the data on all channels.

Another piece of equipment was specifically constructed for this effort to address an issue with spot watt measurements that was discovered early in the project. The Fluke 345 multimeter has very high accuracy for loads over 10 amps. Unfortunately, the loads being measured for this study were typically in the range of 0.3-1.5 amps. In order to increase the accuracy of the measurement, Summit Blue manufactured several current amplifiers (also referred to as “donuts”) that were used to boost the current measurement into the range of the multimeter. The current amplifier is a 40-turn coil of 14-gauge stranded copper wire with a wooden core that holds the wire bundle in the approximate center of the CT clamp. The current amplifier is shown individually in Figure G-5 and in the standard setup with a Fluke meter in Figure G-6.

Detailed procedures governing the setup, adjustment, installation, and extraction of the lighting loggers were developed and are contained in Appendix C.

**Figure G-5: Current Amplifier with Plugs**



**Figure G-6: Standard Setup for the Current Amplifier and Multimeter**



### **G.3.6 Logger Data Validation**

Logger data quality control was accomplished by using the *viewLoggers* interface, an interactive program/tool developed by Itron that brought together contextual survey information and logger data information in a single interface, which enabled review and quality control disposition. Features of the interface include:

- **Contextual Survey Data.** These data include business type, activity area (space use) type, scanned survey form, and photos also available.
- **Logger Data.** This data is displayed in several formats: original raw transition data, two graphical displays a week at a time and over the entire installation period.
- **Repair of Data with Issues.** *viewLoggers* also includes code for correcting data that can be corrected, such as loggers that span a daylight savings time (DST) event and logger data with time-drift issues.
- **Data Review Dispositions and Comments.** These categories include general operation (always off, random, consistent, always on), etc.

Note that the data for every logger was manually reviewed and dispositions indicated by an analyst. Further discussion of this process can be found in Appendix J: Lighting Logger Data Validation Process.

There were 6,288 loggers used for the post-only study analysis. An additional 1,897 loggers were installed as part of the pre-post study, however only 919 of those were installed on retrofitted lighting measures.

The loggers were installed over the period between September 2008 through October 2009 with the majority of loggers installed in the second and third quarters of 2009. The loggers were installed at each site for an extended period in most cases. More than 75% of the loggers recorded lighting usage for more than eight weeks. The bulk of the remaining loggers had between six to eight weeks of monitored data.

While the surveyors were on site removing the loggers, they also recorded extraction comments about the condition of the loggers and other extraction information needed for the quality control and analysis of the logger data. The data were downloaded from the loggers as soon as possible and the extraction information was entered into the survey database. Logger and computer date-times were recorded on the extraction form to help with correcting loggers with time-drift and DST issues.

With these data available, *viewLoggers* was used as the primary tool for the quality control process. As more and more loggers were processed, *viewLoggers* was modified to handle

new issues and the interface improved, and more analysts were used to review the logger data. At the height of data collection effort, a team of eight to ten analysts were reviewing and dispositioning logger data using viewLoggers.

### **Data Issues**

As part of the validation process the loggers were evaluated for known issues that could compromise the results. These included the following checks:

- Reviewing the data to see if a minimum number of weeks of data was recorded.
- Looking for large gaps in the data which might indicate that the logger was temporarily moved or that the battery failed or the logger fell from its position in the fixture.
- Scrutinizing the loggers for “flickering” and “sensitivity” issues.
- Evaluating the time/date stamps in the raw data files for time drift and inadvertent logger reset.
- Reviewing logger “pairs” (primary loggers with a back-up) to determine if the loggers were truly back-ups to each other. If the loggers were observed as not being on the same circuit then they were split in the database and the quantities of bulbs were distributed to each logger based on the information available on the form.

As the quality control process progressed a list of items became obvious to look for in the data. This section describes some of these items and gives a brief explanation of what this implies to the usability of the data. Further discussion of these issues can be found in Appendix J where the process of using viewLoggers is described.

- **“False DST”.** A small number of loggers were synchronized before the change in Daylight Saving Time but installation after DST went into effect. This meant that all times recorded by the logger were an hour behind actual clock time for the entire installation period. This error was corrected, for the loggers identified as having this problem, automatically in viewLoggers.
- **Time Drift.** Some loggers experienced internal clock time drift issues, some minutes but others hours or days. This was observed during the Pilot Test period of the study the procedures were adjusted to catch logger data with this issue. As mentioned in Appendix J, viewLoggers was designed to catch this issue and make adjustments.
- **Logger Reset.** A feature of both of the Dent loggers used for this study is that when the reset button is held down for at least five seconds, the logger is completely cleared of data and internal clock set to 1/1/2001. During the first phase of the effort, this was not well known and some surveyors were heavy-handed with the reset

button<sup>4</sup>. In addition, if a logger was cleared and then installed without ever being synchronized to the current time, the recorded data would be completely out of synch with real time. Fortunately in both cases, it was easy to use the actual installation date to correct this data.

The combination of the quality control process and issues with missing/lost loggers resulted in 6,299 of the 7,207 loggers being retained for analysis from the combination of the post-only data set and the pre-post data sets. The three most prevalent issues accounting for the loss of logger data were:

- **Lost, Missing, Stolen Loggers.** The problem of theft was primarily encountered in lodging sites where the loggers were placed in guest rooms and could be easily removed by guests or cleaning staff; these loggers were never recovered. In total, there were over 170 loggers for which data was not able to be downloaded. Theft was the primary issue in this category.
- **Damaged Loggers.** In several instances, the fixtures in which the loggers were installed were exposed to too much heat and the loggers were melted or otherwise damaged. Many of these instances were cases where, at sometime during the monitoring period a CFL burned out and was replaced with a much hotter burning incandescent bulb, which melted the logger. Out of all the logger installations approximately 0.3% experienced damage of this type.

**Figure G-7: Example of a Heat-Damaged Logger**



- **Failed/Faulty Loggers with Insufficient Data.** Loggers that did not collect sufficient data may have been the result of faulty batteries, loggers falling off and/or not being replaced correctly, and/or other mechanical issues. Loggers were expected to record a minimum of three weeks of data with a target of eight weeks. If the logger recorded significantly fewer days than this, the entire logger data was discarded.

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<sup>4</sup> This resulted in Dent creating a “firmware” change that removes the CLEAR feature from the logger.



**Unusable Logger Data**

As a result of the validation process, logger data were dispositioned as either good or unusable. The loggers dispositioned as unusable were marked as such due to the data issues previously described plus the additional issues described in this section. The dispositions described here are the ones available in viewLoggers (see Appendix J).

Table G-12 presents a summary of the reasons for exclusion and the number of loggers with each disposition. It should be noted that a single logger may be tagged with one or more of the dispositions listed below. The counts in the table represent all the conditions marked on a single logger and hence cannot be added-up to get a total count of loggers failed. Also note that in the pre-post data set, the backups were identified and, if shown to represent exactly the same usage as their primary counterpart, were also not included in the analysis to prevent double counting the number of bulbs in the study.

**Table G-12: Reasons for Excluding Loggers From Analysis**

Reason for Removal	Number of Loggers Marked with the Issue
Flickering	189
Sensitivity	116
Logger fell	51
Battery (Logger) failure	48
Time Drift	2
Other	47

The viewLogger dispositions are described in detail below:

- **Flickering.** This issue is identified as multiple transitions per second and/or minute for an extended period of time. Flickering can be caused from other light sources such as ambient daylighting. Flickering can also be caused by the sensitivity being set too close to the transition threshold. A failing bulb could also show up as flickering, however, if that could be determined it would not be a reason for disqualification of the logger data.
- **Sensitivity Issues.** Logger sensitivity settings are a manual process done by trial and error at the site. Loggers where the sensitivity is incorrectly set can produce different symptoms (i.e., Flickering, Always On, Always off). When conditions do not indicate the true state of the light being logged, then this flag is set and the logger is marked as bad. Extraction comments and the raw data can be very useful in troubleshooting this type of problem.

- **Logger Fell.** Issues with the magnets and other fastening devices cause problems with the loggers not staying where placed. As these issue were discovered steps were taken to minimize the problem, but some loggers had to be disqualified before the issue was resolved.
- **Battery (Logger) Failed.** Battery failure was one of many reasons why a logger was disqualified. This is the only reason made available to the evaluator because it is the only one that can produce some results for validation. Heat damage was the other major failure observed with the loggers. The reason this is not an option for the validation process is that the data from a heat damaged logger is not downloadable.
- **Time Drift.** The issue of time drift is an interesting one. It seems the internal clocks in loggers with this problem do not cycle at the same rate as a normal clock. Many of the loggers like this were fixed with code, but some were so far off that it was felt that the fix would not be reliable. A few were marked as bad for this reason. This condition was Auto Corrected by the software when specific conditions were observed in the data. The evaluator could override this correction if deemed necessary, but in no instance was this done. If the correction did not work correctly the logger data was marked as unusable.
- **Other.** Some of the issues marked as other included:
  - Logger not recording data for periods of time not related to lamp or fixture failure.
  - Date of installation not consistent with other loggers at the site.
  - Data could not be downloaded from the logger.
  - Loggers were moved by people at the site
- **Lamp Failed.** This categorization is generally not used because the failure of a lamp does not constitute bad logger data. It constitutes the lack of use of a rebated lamp. This is generally what is being analyzed.
- **For Reset.** This condition was Auto Corrected by the viewLoggers when specific conditions were observed in the data. If viewLoggers detected that there was a problem with the logger being reset to factory defaults then this flag would be set. While it was possible for the analyst to override this correction, it was never set. If the correction was ineffective then the data was marked as unusable. It should be noted that this is not a condition for disqualification in and of itself. Unless the correction routine itself was ineffective, other issues must be specified to disqualify a logger needing the reset correction.

As a part of the logger validation process, only 10% of the logger data were marked as unusable. With the resources that were made available to the analysts, this process ran smoothly and efficiently. As the process progressed, lessons learned were applied to loggers

previously processed, which ensured that the same criteria were applied to all loggers available for the analysis.

### **G.3.7 Logger Data Used in Analysis**

Table G-13 through Table G-16 present the number of sites and number of loggers that were used in the analysis by IOU, market segment and activity area. Tables are shown separately for each HIM. For linear fluorescents, the total number of sites and loggers available are shown for both pre- and post-retrofit data.

**Table G-13: Loggers Installed and Used in Analysis for Linear Fluorescents**

Market Segment	PG&E			SCE			SDG&E			Total		
	Sites	Pre-Loggers	Post-Loggers	Sites	Pre-Loggers	Post-Loggers	Sites	Pre-Loggers	Post-Loggers	Sites	Pre-Loggers	Post-Loggers
<b>Assembl</b>												
Assembly	2	-	4	3	1	16	11	-	43	16	1	63
HallwayLobby	2	-	4	1	-	2	6	-	10	9	-	16
Kitchen/Breakroom	3	-	5	-	-	-	7	-	14	10	-	19
Office	5	-	11	2	7	22	7	-	24	14	7	57
OtherMisc	9	10	29	4	4	16	9	-	33	22	14	78
<b>Total Assembly</b>	<b>9</b>	<b>10</b>	<b>53</b>	<b>6</b>	<b>12</b>	<b>56</b>	<b>11</b>	<b>-</b>	<b>124</b>	<b>26</b>	<b>22</b>	<b>233</b>
<b>Grocery</b>												
OtherMisc	3	1	5	4	6	15	2	-	8	9	7	28
RetailSales	5	6	17	9	12	30	2	-	8	16	18	55
<b>Total Grocery</b>	<b>5</b>	<b>7</b>	<b>22</b>	<b>9</b>	<b>18</b>	<b>45</b>	<b>2</b>	<b>-</b>	<b>16</b>	<b>16</b>	<b>25</b>	<b>83</b>
<b>Health/Medical - Clinic</b>												
Comm/Ind Work	3	1	5	9	4	17	2	-	3	14	5	25
HallwayLobby	8	3	16	21	9	49	3	-	17	32	12	82
Kitchen/Breakroom	8	2	10	8	4	11	1	-	1	17	6	22
Office	8	15	36	22	9	72	2	-	6	32	24	114
OtherMisc	6	-	24	12	6	22	1	-	1	19	6	47
Patient Rooms	2	3	13	8	-	16	1	-	9	11	3	38
Storage	2	1	3	10	4	12	2	-	2	14	5	17
<b>Total Health/Medical -</b>	<b>12</b>	<b>25</b>	<b>107</b>	<b>25</b>	<b>36</b>	<b>199</b>	<b>3</b>	<b>-</b>	<b>39</b>	<b>40</b>	<b>61</b>	<b>345</b>
<b>Office - Small</b>												
Comm/Ind Work	10	6	19	9	3	15	15	-	40	34	9	74
Conference Room	15	10	25	10	1	16	2	-	3	27	11	44
HallwayLobby	22	10	41	21	17	38	18	-	38	61	27	117
Kitchen/Breakroom	14	5	16	13	3	15	15	-	19	42	8	50
Office	38	46	151	43	51	140	32	-	135	113	97	426
OtherMisc	6	6	11	6	3	9	4	-	9	16	9	29
Restrooms	6	4	11	4	1	4	5	-	6	15	5	21
Storage	20	10	27	15	11	30	8	-	12	43	21	69
<b>Total Office - Small</b>	<b>38</b>	<b>97</b>	<b>301</b>	<b>46</b>	<b>90</b>	<b>267</b>	<b>35</b>	<b>-</b>	<b>262</b>	<b>119</b>	<b>187</b>	<b>830</b>
<b>Other</b>												
Comm/Ind Work	10	7	31	16	1	44	7	-	26	33	8	101
HallwayLobby	12	1	32	13	3	25	7	-	19	32	4	76
Office	20	9	72	19	5	42	12	-	32	51	14	146
OtherMisc	20	9	87	24	8	69	7	-	24	51	17	180
Restrooms	4	-	7	7	-	9	3	-	3	14	-	19
Storage	9	-	21	11	1	19	5	-	14	25	1	54
<b>Total Other</b>	<b>36</b>	<b>26</b>	<b>250</b>	<b>36</b>	<b>18</b>	<b>208</b>	<b>16</b>	<b>-</b>	<b>118</b>	<b>88</b>	<b>44</b>	<b>576</b>

**Table G-13 (cont'd.): Loggers Installed and Used in Analysis for Linear Fluorescents**

Market Segment	PG&E			SCE			SDG&E			Total		
	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers	Sites	Pre-Loggers	Post Loggers
<b>Restaurant</b>												
Dining	3	1	7	6	1	12	4	-	8	13	2	27
Kitchen/Breakroom	8	15	16	10	6	14	3	-	6	21	21	36
OtherMisc	6	10	8	5	9	9	2	-	6	13	19	23
<b>Total Restaurant</b>	<b>10</b>	<b>26</b>	<b>31</b>	<b>10</b>	<b>16</b>	<b>35</b>	<b>6</b>	<b>-</b>	<b>20</b>	<b>26</b>	<b>42</b>	<b>86</b>
<b>Retail - Small</b>												
AutoRepairWorkshop	17	24	52	14	12	24	7	-	18	38	36	94
Comm/IndWork	12	7	23	16	11	30	11	-	25	39	18	78
HallwayLobby	12	2	16	16	9	22	11	-	23	39	11	61
Kitchen/Breakroom	10	3	10	13	5	18	5	-	6	28	8	34
Office	37	12	79	29	35	60	21	-	43	87	47	182
OtherMisc	9	2	9	20	21	22	3	-	6	32	23	37
Restrooms	10	2	14	10	6	9	3	-	3	23	8	26
RetailSales	41	12	121	46	35	130	31	-	119	118	47	370
Storage	24	5	43	36	18	64	18	-	32	78	23	139
<b>Total Retail - Small</b>	<b>67</b>	<b>69</b>	<b>367</b>	<b>84</b>	<b>152</b>	<b>379</b>	<b>48</b>	<b>-</b>	<b>275</b>	<b>199</b>	<b>221</b>	<b>1,021</b>
<b>Warehouse</b>												
Office	6	3	18	11	36	62	9	-	46	26	39	126
OtherMisc	5	11	23	11	15	24	8	-	26	24	26	73
Storage	4	-	11	12	18	40	9	12	26	25	30	77
<b>Total Warehouse</b>	<b>8</b>	<b>14</b>	<b>52</b>	<b>16</b>	<b>69</b>	<b>126</b>	<b>16</b>	<b>12</b>	<b>98</b>	<b>40</b>	<b>95</b>	<b>276</b>
<b>TOTAL</b>	<b>370</b>	<b>548</b>	<b>2,366</b>	<b>464</b>	<b>822</b>	<b>2,630</b>	<b>274</b>	<b>24</b>	<b>1,904</b>	<b>554</b>	<b>697</b>	<b>3,450</b>

**Table G-14: Loggers Installed and Used in Analysis for High Bay Lighting**

Market Segment	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Other</b>								
Comm/Ind Work	16	55	7	22	6	15	29	92
OtherMisc	5	11	2	4	1	2	8	17
Storage	9	37	4	15	0	0	13	52
<b>Total Other</b>	<b>26</b>	<b>103</b>	<b>13</b>	<b>41</b>	<b>6</b>	<b>17</b>	<b>45</b>	<b>161</b>

**Table G-15: Loggers Installed and Used in Analysis for Downstream CFLs**

Market Segment  Activity Area	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Assembly</b>								
Assembly	2	7	4	18	3	4	9	29
HallwayLobby	4	6	5	11	4	7	13	24
OtherMisc	4	11	5	13	5	10	14	34
Restrooms	3	5	2	2	4	7	9	14
<b>Total Assembly</b>	<b>6</b>	<b>29</b>	<b>7</b>	<b>44</b>	<b>9</b>	<b>28</b>	<b>22</b>	<b>101</b>
<b>Health/Medical - Clinic</b>								
HallwayLobby	4	15	6	7	1	2	11	24
OtherMisc	3	24	4	7	1	2	8	33
Restrooms	2	3	7	14	0	0	9	17
<b>Total Health/Medical - Clinic</b>	<b>6</b>	<b>42</b>	<b>12</b>	<b>28</b>	<b>1</b>	<b>4</b>	<b>19</b>	<b>74</b>
<b>Lodging</b>								
Guest Rooms	17	156	3	24	2	34	22	214
OtherMisc	11	39	1	10	1	3	13	52
<b>Total Lodging</b>	<b>20</b>	<b>195</b>	<b>3</b>	<b>34</b>	<b>3</b>	<b>37</b>	<b>26</b>	<b>266</b>
<b>Office - Small</b>								
OtherMisc	7	11	6	8	0	0	13	19
Restrooms	9	15	23	23	5	6	37	44
<b>Total Office - Small</b>	<b>12</b>	<b>26</b>	<b>24</b>	<b>31</b>	<b>5</b>	<b>6</b>	<b>41</b>	<b>63</b>
<b>Other</b>								
OtherMisc	7	15	6	8	1	1	14	24
Restrooms	5	9	11	15	5	7	21	31
Storage	3	3	6	7	0	0	9	10
<b>Total Other</b>	<b>12</b>	<b>27</b>	<b>16</b>	<b>30</b>	<b>6</b>	<b>8</b>	<b>34</b>	<b>65</b>
<b>Restaurant</b>								
OtherMisc	3	15	2	5	1	1	6	21
Restrooms	3	4	3	4	1	1	7	9
<b>Total Restaurant</b>	<b>4</b>	<b>19</b>	<b>3</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>30</b>
<b>Retail - Large</b>								
RetailSales	4	11	4	9	0	0	8	20
<b>Total Retail - Large</b>	<b>4</b>	<b>11</b>	<b>4</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>20</b>
<b>Retail - Small</b>								
OtherMisc	4	5	7	11	1	2	12	18
Restrooms	20	26	28	35	10	12	58	73
RetailSales	7	10	5	7	1	2	13	19
Storage	7	9	6	9	1	2	14	20
<b>Total Retail - Small</b>	<b>29</b>	<b>50</b>	<b>35</b>	<b>62</b>	<b>11</b>	<b>18</b>	<b>75</b>	<b>130</b>
<b>TOTAL</b>	<b>93</b>	<b>399</b>	<b>104</b>	<b>247</b>	<b>37</b>	<b>103</b>	<b>234</b>	<b>749</b>

**Table G-16: Loggers Installed and Used in Analysis for Upstream CFLs**

Market Segment  Activity Area	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Assembly</b>								
Assembly	9	23	6	20	4	12	19	55
HallwayLobby	12	23	16	46	4	6	32	75
Kitchen/Breakroom	2	3	5	6	1	1	8	10
Office	3	10	9	13	1	3	13	26
OtherMisc	6	17	13	37	3	7	22	61
Outdoor	2	5	1	1	2	3	5	9
Restrooms	8	15	13	19	6	9	27	43
Storage	8	11	9	12	2	2	19	25
<b>Total Assembly</b>	<b>22</b>	<b>107</b>	<b>26</b>	<b>154</b>	<b>13</b>	<b>43</b>	<b>61</b>	<b>304</b>
<b>Health/Medical - Clinic</b>								
HallwayLobby	1	2	6	15	11	18	18	35
Office	3	8	3	5	7	13	13	26
OtherMisc	1	1	5	14	5	7	11	22
Restrooms	-	-	4	6	5	9	9	15
<b>Total Health/Medical - Clinic</b>	<b>4</b>	<b>11</b>	<b>8</b>	<b>40</b>	<b>16</b>	<b>47</b>	<b>28</b>	<b>98</b>
<b>Lodging</b>								
GuestRooms	29	140	33	150	7	78	69	368
HallwayLobby	15	30	22	52	10	21	47	103
Kitchen/Breakroom	2	3	4	5	2	4	8	12
Mechanical/ElectricalRoom	5	7	7	8	2	3	14	18
Office	-	-	7	10	3	3	10	13
OtherMisc	6	13	7	12	1	4	14	29
Outdoor	1	1	3	5	-	-	4	6
Restrooms	12	24	12	19	7	10	31	53
Storage	2	4	7	8	2	3	11	15
<b>Total Lodging</b>	<b>31</b>	<b>222</b>	<b>37</b>	<b>269</b>	<b>11</b>	<b>126</b>	<b>79</b>	<b>617</b>
<b>Office - Small</b>								
HallwayLobby	12	29	12	26	9	16	33	71
Office	7	12	6	8	12	22	25	42
OtherMisc	7	10	3	8	4	8	14	26
Outdoor	1	3	3	6	-	-	4	9
Restrooms	4	4	8	11	13	21	25	36
Storage	8	10	-	-	4	5	12	15
<b>Total Office - Small</b>	<b>17</b>	<b>68</b>	<b>20</b>	<b>59</b>	<b>28</b>	<b>72</b>	<b>65</b>	<b>199</b>
<b>Other</b>								
HallwayLobby	8	13	5	12	5	16	18	41
Office	7	8	1	1	2	4	10	13
OtherMisc	7	12	6	14	4	14	17	40
Outdoor	2	3	-	-	-	-	2	3
Restrooms	9	14	11	27	8	17	28	58
Storage	11	16	4	14	1	4	16	34
<b>Total Other</b>	<b>21</b>	<b>66</b>	<b>17</b>	<b>68</b>	<b>13</b>	<b>55</b>	<b>51</b>	<b>189</b>

**Table G-16 (cont'd): Loggers Installed and Used in Analysis for Upstream CFLs**

Market Segment  Activity Area	PG&E		SCE		SDG&E		Total	
	Sites	Loggers	Sites	Loggers	Sites	Loggers	Sites	Loggers
<b>Restaurant</b>								
Dining	12	23	21	53	16	35	49	111
HallwayLobby	10	19	11	19	4	4	25	42
Kitchen/Breakroom	4	4	11	13	2	2	17	19
Office	5	6	5	6	2	2	12	14
OtherMisc	2	2	-	-	1	2	3	4
Outdoor	1	1	1	1	-	-	2	2
Restrooms	17	28	14	21	5	6	36	55
Storage	13	29	8	13	6	8	27	50
<b>Total Restaurant</b>	<b>30</b>	<b>112</b>	<b>26</b>	<b>126</b>	<b>21</b>	<b>59</b>	<b>77</b>	<b>297</b>
<b>Retail - Small</b>								
HallwayLobby	3	4	3	4	8	13	14	21
Office	5	9	5	7	4	5	14	21
OtherMisc	4	6	3	4	6	7	13	17
Outdoor	1	2	-	-	-	-	1	2
Restrooms	13	16	9	18	13	19	35	53
RetailSales	15	35	11	26	18	35	44	96
Storage	9	13	5	10	2	2	16	25
<b>Total Retail - Small</b>	<b>30</b>	<b>85</b>	<b>22</b>	<b>69</b>	<b>38</b>	<b>81</b>	<b>90</b>	<b>235</b>
<b>TOTAL</b>	<b>155</b>	<b>671</b>	<b>156</b>	<b>785</b>	<b>140</b>	<b>483</b>	<b>451</b>	<b>1,939</b>

It is important to note that the classification of customers into the market segments presented above was based on data collected during the on-site visit. The population of downstream participants were classified based on participant tracking data information. Furthermore, nonresidential customers called as part of the upstream survey efforts were initially classified using NAICS information from the CIS data. However, we believe the data collected during the on-site visit provides a more accurate assessment of the customer’s market segment. Using this information, customers were reclassified into the proper market segment to improve the reliability of the market segment-level results. However, for the purposes of developing program level results, customers are weighted using their original classification in the tracking or CIS data as this was necessary to create unbiased program level results.

## G.4 Spot Watt Measurement

One-time power measurements performed at the fixture level, referred to as spot watt measurements, were performed primarily for linear fluorescent fixtures, and a small number of high bay fixtures. As part of the pre-post study, the field auditors attempted to conduct spot watt measurements for every unique fixture found on site. Most often, this measurement was taken at the fixture for a single ballast-lamp configuration. When fixtures could not be accessed due to height or safety issues, the field auditors took spot measurements of multiple

fixtures at the point-of-control (such as the switch), or at the electrical panel. The field auditors recorded volts, power factor, amps, and watts for every measurement, and they conducted on-the-spot quality control calculations to ensure the integrity of their measurements. Finally, the field auditors recorded the perceived condition of the fixture on which they took the measurement.

Spot watt measurements were compared to manufacturer rated ballast model lookup wattages to determine the reliability of the manufacturer's ratings. During the onsite visit, auditors collected information on the manufacturer and model number of the fixtures installed. This information could be used to "look up" the manufacturer's rated wattage for that fixture. For post-retrofit fixtures, spot watt measurements compared well against the manufacturer rated ballast wattages, validating those ratings. However, the manufacturer ratings for the pre-retrofit fixtures were not found to be as accurate. Therefore, for pre-retrofit fixtures, spot watt measurements were used directly to adjust baseline wattages for linear fluorescents.

Spot watt measurements were conducted on 104 sites that installed linear fluorescent measures and another 4 sites that installed high bay fixtures.

Because the number of sites with spot watt measurements were relatively limited, analysis of the spot watt measurements was done by fixture configuration, rather than by IOU, market segment or activity area. Table G-17 below presents the number of fixtures that had pre- or post-retrofit spot watt measurements taken.



**Table G-17: Number of Spot Watt Measurements Performed by Linear and High Bay Fixture Configuration**

<b>Linear/HB</b>	<b>Fixture Configuration</b>	<b>Fixtures</b>	
<b>Pre-Retrofit Configurations</b> <b>Linear</b>	L1_2FT_T12	2	
	L1_3FT_T12	2	
	L1_4FT_T12	26	
	L1_8FT_T12	6	
	L1_8FT_T8	1	
	L2_2FT_T12	3	
	L2_3FT_T12	2	
	L2_4FT_T10	1	
	L2_4FT_T12	270	
	L2_4FT_T8	7	
	L2_8FT_T12	156	
	L2_8FT_T8	1	
	L3_4FT_T12	1	
	L3_4FT_T8	3	
	L4_4FT_T12	6	
	L4_4FT_T8	7	
	L4_8FT_T12	2	
	<b>High Bay</b>	L2_8FT_T12	1
	<b>Post-Retrofit Configurations</b> <b>Linear</b>	L1_2FT_T8	2
L1_3FT_T8		1	
L1_4FT_T8		21	
L1_8FT_T8		2	
L2_2FT_T8		4	
L2_3FT_T8		1	
L2_4FT_T12		1	
L2_4FT_T8		120	
L2_8FT_T8		41	
L3_2FT_T8		2	
L3_4FT_T8		11	
L4_4Ft_T5		1	
L4_4FT_T8		64	
L4_8Ft_T8		1	
<b>High Bay</b>		L4_4FT_T8	1
	L4_4Ft_T5	2	
	L6_4Ft_T8	2	

## **G.5 Additional On-Site Data Collection**

In addition to installing lighting loggers and performing spot watt measurements, the on-sites also collected data to support a number of other research objectives. Verification data were collected to support installation rates as well as storage rates for CFLs. Equipment manufacturer and model numbers were collected in order to perform lookups that would support the estimate of pre- and post-retrofit wattages. Self-report data were also gathered on the wattage of pre-existing equipment to help support the estimate of pre-retrofit wattages. Finally, self-report data were gathered on lighting equipment usage schedules to aid in the development of pre-retrofit load shapes

On-sites were conducted on all sites where loggers were installed and spot watt measurements were conducted. Additional on-sites were conducted on sites where it was not feasible to install loggers. Table G-18 through Table G-21 below presents the number of on-sites that were conducted for each HIM by IOU and market segment that provided data for either the lighting logger study or verification analysis.

**Table G-18: Number of On-sites Conducted by IOU and Market Segment for Upstream CFLs**

<b>Market Segment</b>	<b>PG&amp;E Sites</b>	<b>SCE Sites</b>	<b>SDG&amp;E Sites</b>	<b>Total</b>
Agriculture	4		2	<b>6</b>
All Commercial	7	3	4	<b>14</b>
Assembly	23	27	18	<b>68</b>
Education - Primary School	3	3	3	<b>9</b>
Government	1	5		<b>6</b>
Grocery			1	<b>1</b>
Health/Medical – Clinic	4	11	17	<b>32</b>
Health/Medical – Hospital			1	<b>1</b>
Residential Multifamily		3		<b>3</b>
Lodging	34	39	13	<b>86</b>
Office – Large	3	3	5	<b>11</b>
Office – Small	22	24	34	<b>80</b>
Other Industrial	6	3	2	<b>11</b>
Residential Multifamily		3		<b>3</b>
Restaurant - Fast Food	3	10	8	<b>21</b>
Restaurant - Sit Down	29	24	22	<b>75</b>
Retail – Large			3	<b>3</b>
Retail – Small	33	24	56	<b>113</b>
Utilities				<b>0</b>
Warehouse	2	6	2	<b>10</b>
<b>TOTAL</b>	<b>174</b>	<b>188</b>	<b>191</b>	<b>553</b>

**Table G-19: Number of On-Sites Conducted by IOU and Market Segment for Downstream CFLs**

<b>Market Segment</b>	<b>PG&amp;E Sites</b>	<b>SCE Sites</b>	<b>SDG&amp;E Sites</b>	<b>Total</b>
Agriculture	3			<b>3</b>
All Commercial	1	6		<b>7</b>
Assembly	8	7	12	<b>27</b>
Education - Primary School	1	6		<b>7</b>
Government	2			<b>2</b>
Grocery	2	5		<b>7</b>
Health/Medical – Clinic	9	20	1	<b>30</b>
Health/Medical - Hospital	1			<b>1</b>
Home Depot	6	6		<b>12</b>
Lodging	24	3	3	<b>30</b>
Office – Large	1			<b>1</b>
Office – Small	16	30	6	<b>52</b>
Other Industrial	3	3	6	<b>12</b>
Residential Multifamily	1	1		<b>2</b>
Restaurant - Fast Food	3		1	<b>4</b>
Restaurant - Sit Down	3	6	1	<b>10</b>
Retail – Large	1			<b>1</b>
Retail – Small	36	46	16	<b>98</b>
Utilities	1			<b>1</b>
Warehouse	1	3	5	<b>9</b>
<b>TOTAL</b>	<b>123</b>	<b>142</b>	<b>51</b>	<b>316</b>

**Table G-20: Number of On-Sites Conducted by IOU and Market Segment for Linear Fluorescents**

<b>Market Segment</b>	<b>PG&amp;E Sites</b>	<b>SCE Sites</b>	<b>SDG&amp;E Sites</b>	<b>Total</b>
Agriculture	2			2
All Commercial	5	13	11	29
Assembly	9	5	19	33
Education - Primary School	3	5	2	10
Government	6	1		7
Grocery	4	5	2	11
Health/Medical – Clinic	9	21	6	36
Health/Medical - Hospital	1			1
Lodging	10	1	1	12
Office – Large	4		1	5
Office – Small	28	38	50	116
Other Industrial	5	16	22	43
Residential Multifamily	1	1		2
Restaurant - Fast Food	3	1	7	11
Restaurant - Sit Down	2	7	1	10
Retail – Large				0
Retail – Small	57	58	84	199
Utilities	1			1
Warehouse	8	11	18	37
<b>TOTAL</b>	<b>158</b>	<b>183</b>	<b>224</b>	<b>565</b>

**Table G-21: Number of On-Sites Conducted by IOU and Market Segment for High Bay Lighting**

<b>Market Segment</b>	<b>PG&amp;E Sites</b>	<b>SCE Sites</b>	<b>SDG&amp;E Sites</b>	<b>Total</b>
Agriculture	1	1		2
All Commercial	2	2	2	6
Assembly	4	1	2	7
Education - Primary School	1	1		2
Government	1			1
Grocery				0
Health/Medical – Clinic				0
Health/Medical - Hospital				0
Lodging				0
Office - Large				0
Office - Small	1		1	2
Other Industrial	7	8	12	27
Residential Multifamily				0
Restaurant - Fast Food				0
Restaurant - Sit Down				0
Retail - Large	1			1
Retail - Small	6	3	8	17
Utilities				0
Warehouse	15	7	11	33
<b>TOTAL</b>	<b>39</b>	<b>23</b>	<b>36</b>	<b>98</b>

Verification data was collected for each onsite. Equipment manufacturer and model numbers were collected for linear fluorescent, high bay lighting and CFLs whenever possible. Information on the wattage of pre-existing equipment and on lighting equipment operating schedules was asked of personnel at all sites. Table G-22 through Table G-25 present the number of sites visited and the number of lamps or fixtures where either pre- or post-retrofit wattage information was gathered. For linear fluorescent and high bay lighting measures, manufacturer data was gathered on both pre- and post-retrofit fixtures, and wattages look-ups were performed using manufacturer estimates. For downstream CFLs, pre-wattage estimates were obtained using self-reports, and post-wattage data was gathered from manufacturer and model information. Finally, for CFLs, pre-wattage estimates were obtained using self-reports.<sup>5</sup>

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<sup>5</sup> Note that post-wattage information was necessary for downstream CFLs because the measure descriptions did not always match what was installed, however there were no measure descriptions for upstream CFLs, so upstream CFL post-wattage values became their measure description

**Table G-22: Linear Fluorescent Manufacturer Look-Ups for Pre- and Post-Wattage Estimates by IOU and Measure**

IOU	Measure Code	IOU Measure Name/Description	Unit Basis	Pre-Retrofit Look-ups	Post-Retrofit Look-ups
PGE	L290	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	Lamp	58	107
PGE	L299	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	Lamp	6	38
PGE	L730	28 WATT T8 REPLACING 32 WATT T8	Lamp	4	5
PGE	L915	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPLT-12 LAMP&BALLAST-4 FT 2 LAMP	Fixture	6	9
PGE	L924	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPLT-12 LAMP&BALLAST-4 FT 3 LAMP	Fixture	1	2
PGE	L925	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPLT-12 LAMP&BALLAST-4 FT 4 LAMP	Fixture	6	12
PGE	L939	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	Lamp	1	1
PGE	L940	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	Lamp		1
PGE	L954	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	Fixture	1	4
PGE	L955	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	Fixture	6	9
PGE	L956	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	Fixture		2
PGE	LA04	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	Fixture	5	7
SCE	129	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	Lamp	4	21
SCE	183	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTURE	Fixture		1
SCE	184	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL FIXTURE	Fixture		1
SCE	185	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL FIXTURE	Fixture	1	
SCE	187	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTURE (TIER 1)	Fixture	11	18
SCE	T8_01	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture	1	
SCE	T8_02	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture		2
SCE	T8_03	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	Fixture	1	6
SCE	T8_04	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture		1
SCE	T8_05	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	Fixture	27	76
SCE	T8_06	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	Fixture	3	10
SCE	T8_07	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	Fixture	4	11
SCE	T8_08	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	Fixture	10	41
SCE	T8_09	(2) 96 T-12 HO TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture		1
SCE	T8_10	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	Fixture	20	80
SCE	T8_12	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture	4	17
SCE	T8_13	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	Fixture		6
SCE	T8_16	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture	7	56
SCE	T8_17	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	Fixture	1	8
SDGE	LGT003	LIGHTING-3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	Lamp	1	12
SDGE	LGT007	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	Lamp		1
SDGE	LGT014	LIGHTING-HARDWIRE INCAN BASE 27-65W FLRSCNT FXTR	Fixture		7
SDGE	LGT016	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	Fixture	1	
SDGE	LGT195	PREMIUM T8 WITH T12 34WATT BASELINE	Lamp	1	
SDGE	LGT196	PREMIUM T8 WITH T12 40 WATT BASELINE	Lamp	6	19
SDGE	LGT250	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	Lamp	34	90
SDGE	LGT251	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	Lamp	1	14
SDGE	LGT370	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	Lamp	2	4
SDGE	LGT371	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	Lamp	1	2
SDGE	LGT373	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	Lamp		1
SDGE	LGT374	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	Lamp	37	88
SDGE	LGT375	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	Lamp	14	39
SDGE	SBS07073	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	Fixture	2	2

**Table G-23: High Bay Fixture Manufacturer Look-Ups for Pre- and Post-Wattage Estimates by IOU and Measure**

IOU	Measure Code	IOU Measure Name/Description	Unit Basis	Pre Num Recs	Post Num Recs
PGE	L292	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	Fixture	11	40
PGE	L895	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	Fixture		2
SCE	115	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	Fixture	6	23
SDGE	EXP07085	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACING > 400 WATTS	Fixture		2
SDGE	EXP07089	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACING 400 WATTS (TIER 1)	Fixture	2	3
SDGE	LGT185	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	Fixture	2	5
SDGE	LGT280	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	Fixture		3
SDGE	SBS07006	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	Fixture		3
SDGE	SBS07025	LIGHTING-INTRHIBYLNRFSLSCNTFXTR244WRPLC400W(TRI)TR1	Fixture	2	10
SDGE	SBS07026	LIGHTING-INTRHIBYLNRFSLSCNTFXTR244WRPLC400W(TRI)TR2	Fixture	3	4
SDGE	SBS07100	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	Fixture	3	6

**Table G-24: Downstream CFL Sites with Self-Report Pre-Wattage Estimates and Manufacturer Post-Wattage Lookups by IOU and Measure**

IOU	CFL Downstream Measure	Pre-Wattage Self Reports Sites	Post-Wattage Lookups Sites
PG&E	27W CFL SCREW IN	4	14
PG&E	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-I		1
PG&E	CFL INT INTEGRAL - 14 WATT - SCREW-IN	9	22
PG&E	CFL INT INTEGRAL - 15 WATT - SCREW-IN		3
PG&E	CFL INT INTEGRAL - 16 WATT - SCREW-IN	3	5
PG&E	CFL INT INTEGRAL - 18 WATT >= 1,100 LUMENS - SCREW		1
PG&E	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW		1
PG&E	CFL INT INTEGRAL - 20 WATT - SCREW-IN	4	7
PG&E	CFL INT INTEGRAL - 23 WATT - SCREW-IN	5	15
PG&E	CFL INT INTEGRAL - 40 WATT - SCREW-IN		1
PG&E	COLD CATHODE LAMP - 3-5 WATT	1	1
PG&E	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS		5
PG&E	INTERIOR CF BULB - 23 WATT 1,400 TO 1,599 LUMENS	4	5
PG&E	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS		6
PG&E	INTERIOR CF BULB - 42 WATT	1	1
PG&E	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS		1
PG&E	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	1	1
PG&E	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	5	14
PG&E	SCREW-IN CFL LAMPS - 14 - 26 WATTS	16	34
PG&E	SCREW-IN CFL LAMPS - >= 27 WATTS	8	10
PG&E	SCREW-IN CFL LAMPS 5-13 WATTS	8	15
PG&E	SCREW-IN CFL REFLECTOR LAMP 15 WATTS		2
PG&E	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	9	18
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	19	50
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	6	9
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	5	12
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	1	2
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	24	61
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	1	2
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	6	21
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)		2
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	1	1

**Table G-24 (cont'd): Downstream CFL Sites with Self-Report Pre-Wattage Estimates and Manufacturer Post-Wattage Lookups by IOU and Measure**

IOU	CFL Downstream Measure	Pre-Wattage Self Reports Sites	Post Wattage Lookups Sites
SDG&E	LIGHTING - SCREW IN 14-26 WATT LAMP		1
SDG&E	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP		2
SDG&E	LIGHTING - SCREW IN >27 WATT LAMP	6	21
SDG&E	LIGHTING - SCREW IN >= 27 WATT LAMP		2
SDG&E	LIGHTING-REMOVE 4 FT T-8 (DE-LAMP) - TR1		1
SDG&E	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	10	17
SDG&E	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	2	4
SDG&E	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1		1
SDG&E	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1		1
SDG&E	LIGHTING-SCREW IN >27 WATT LAMP - TR1	1	1
<b>Total</b>		<b>123</b>	<b>295</b>

**Table G-25: Upstream CFL Sites with Self-Report Pre-Wattage Estimates by Upstream CFL Wattage**

Upstream CFL Types	Pre-Wattage Self Reports Sites
3 Watt Lamp	2
4 Watt Lamp	1
5 Watt Lamp	2
7 Watt Lamp	5
9 Watt Lamp	20
11 Watt Lamp	11
13 Watt Lamp	78
14 Watt Lamp	89
15 Watt Lamp	58
16 Watt Lamp	6
17 Watt Lamp	1
18 Watt Lamp	24
19 Watt Lamp	8
20 Watt Lamp	30
22 Watt Lamp	1
23 Watt Lamp	117
24 Watt Lamp	8
25 Watt Lamp	9
26 Watt Lamp	23
27 Watt Lamp	10
28 Watt Lamp	1
30 Watt Lamp	1
32 Watt Lamp	1
33 Watt Lamp	1
40 Watt Lamp	3
42 Watt Lamp	4
68 Watt Lamp	1
<b>Total</b>	<b>285</b>



## **G.6 Verification Analysis**

Prior to the analysis of the lighting loggers, an analysis was conducted to determine the percentage of rebated measures that were actually installed and operable (this also included an assessment of the number of CFLs that were placed in storage, and for upstream CFLs the number that had burned out). The analysis of the lighting loggers, discussed below, was weighted up to various population levels. The analysis weights were developed to represent population counts of installed and operable fixtures or bulbs. Therefore, an analysis first needed to be conducted that would adjust the program tracking claims for rebated measures by the number actually installed and operable. Then these adjusted/verified fixture and lamp counts could be used as the population counts from which analysis weights could be developed.

The on-sites determined the number of fixtures and lamps that were in place and operable. Verification rates (the percentage of fixtures and lamps found to be in place and operable) were then estimated by IOU, Program, and HIM. Similarly, for CFLs, a storage rate was calculated (the percent of CFLs found in storage), and estimated at the IOU, Program and HIM level. Finally, for upstream CFLs, a burn out rate was also calculated (the percent of CFLs that had burned out since installation), and estimated at the IOU level.

Although the verification rate is defined as the percent found to be in place and operable, an analysis was also conducted to determine the percent of rebated measures that were actually received by a participant. This would include those in place and operable, burned out or replaced, placed in storage, or placed at another facility.

Table G-26 presents the verification rates (defined as installed and operable) for linear and high bay fixtures, along with the percent of rebated measures determined to have actually been received by the participants. Table G-27 presents the verification and storage rates for downstream CFLs, along with the percentage received. Table G-28 presents the verification, storage and burnout rates for upstream CFLs.

Please note that for Table G-27, the percent installed and operable plus the storage rate may not equal the percent received, as some lamps received may have burned out or been placed at another location.

For Table G-28, the percent installed and operable, plus the storage rate, plus the burn out rate equal 100% (although due to rounding issues some may appear to add to 99%). For upstream CFLs, the total nonresidential count that was estimated is equal to all the upstream CFLs that were found installed and operable, placed in storage, or were reported being burned out. CFLs that were purchased and placed in another location were not included in

the total nonresidential population count for upstream CFLs (therefore, received would also equal 100% for upstream CFLs, but is not reported in the table).

**Table G-26: Installed and Operable Verification Rates and Percent of Rebated Measures Received for Linear Fluorescents and High Bay Lighting by IOU and Program**

HIM	IOU	Program	Installed and Operable	% Received
HIGHBAY	PG&E	PGE2080	92%	93%
HIGHBAY	SCE	SCE2517	93%	95%
HIGHBAY	SDG&E	SDGE3012	104%	104%
HIGHBAY	SDG&E	SDGE3020	98%	98%
LINEAR	PG&E	PGE2016	92%	92%
LINEAR	PG&E	PGE2017	97%	97%
LINEAR	PG&E	PGE2021	95%	97%
LINEAR	PG&E	PGE2054	98%	98%
LINEAR	PG&E	PGE2080	89%	93%
LINEAR	SCE	SCE2511	93%	93%
LINEAR	SCE	SCE2517	97%	98%
LINEAR	SDG&E	SDGE3012	78%	78%
LINEAR	SDG&E	SDGE3020	91%	92%

**Table G-27: Installed and Operable Verification Rates, Storage Rates and Percent of Rebated Measures Received for Downstream CFLs by IOU and Program**

IOU	Program	Installed and Operable	Storage Rates	% Received
PG&E	PGE2016	91%	10%	97%
PG&E	PGE2017	85%	3%	93%
PG&E	PGE2021	98%	2%	100%
PG&E	PGE2054	83%	2%	87%
PG&E	PGE2060	93%	20%	100%
PG&E	PGE2080	74%	13%	87%
SCE	SCE2511	67%	4%	76%
SCE	SCE2517	60%	10%	66%
SDG&E	SDGE3012	99%	0%	99%
SDG&E	SDGE3020	67%	35%	94%

**Table G-28: Installed and Operable Verification Rates, Storage Rates and Burn out Rates for Upstream CFLs by IOU**

IOU	Installed and Operable	Storage Rates	Burn out Rate
PG&E	73%	19%	7%
SCE	81%	9%	9%
SDG&E	76%	14%	10%
<b>Total</b>	<b>76%</b>	<b>15%</b>	<b>8%</b>

## G.7 Lighting Logger Analysis Methodology

As mentioned, the primary objectives of the lighting logger analysis is to develop 8760 impact load shapes and Unit Energy Savings (UES) values for the following nonresidential lighting HIMs by IOU, program, market segment and measure: linear fluorescents, upstream CFLs, downstream CFLs and high bay fixtures.

In order to calculate the impact load shape, pre-retrofit and post-retrofit load shapes are developed and the difference is the impact load shape. Furthermore, pre- and post-retrofit load shapes were developed by separately estimating pre- and post-wattage, and pre- and post-time of use load shapes (percent on load shapes). Therefore, for any given hour the load impact is estimated as:

$$Impact\_Hour\_i = (Pre\_Wattage \times Percent\_On\_Pre\_Hour\_i) - (Post\_Wattage \times Percent\_On\_Post\_Hour\_i)$$

Below we discuss steps undertaken to estimate each parameter necessary to develop the 8760 impact load shapes.

A summary of this process is described below:

- The first step is to develop 8760 hourly load shapes of the percentage of the hour that the lights are on for post-retrofit equipment, by IOU, program, and market segment.<sup>6</sup>
- The second step is to develop baseline or pre-retrofit 8760 hourly load shapes of the percentage of the hour that the lights are on, by IOU, program and market segment.
- The third step is to develop the average pre- and post-retrofit wattages by program and measure.

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<sup>6</sup> For PG&E a number of direct installation programs were combined for this analysis because they had insufficient sample sizes to be analyzed individually.

- The fourth step is to apply the pre- and post-retrofit wattages (by program and measure) to the pre- and post-retrofit percent-on load shapes (by program and market segment), respectively. This results in pre- and post-retrofit kW load shapes by program, market segment, and measure.
- An impact load shape can now be developed for each program, market segment and measure by simply subtracting the pre and post load shapes. Finally, aggregating these load shapes up over the 8760 hours provides an estimate of the unit energy savings.

### ***G.7.1 Development of 8760 Post-Retrofit Percent-On Load Shapes – By Program and Market Segment***

The first step is to develop 8760 hourly load shapes of the percentage of the hour that the lights are on (percent on) for the post-retrofit equipment. Load shapes are initially developed by IOU, market segment and space type. This is done by first taking the time of use logger data (which ranges from a few weeks of data up to a few months of data), and extrapolating out to a full year of 8760 hours. For most loggers, two to three months of data were collected. For the pre-post component of the study, most loggers collected one month of post-retrofit data.

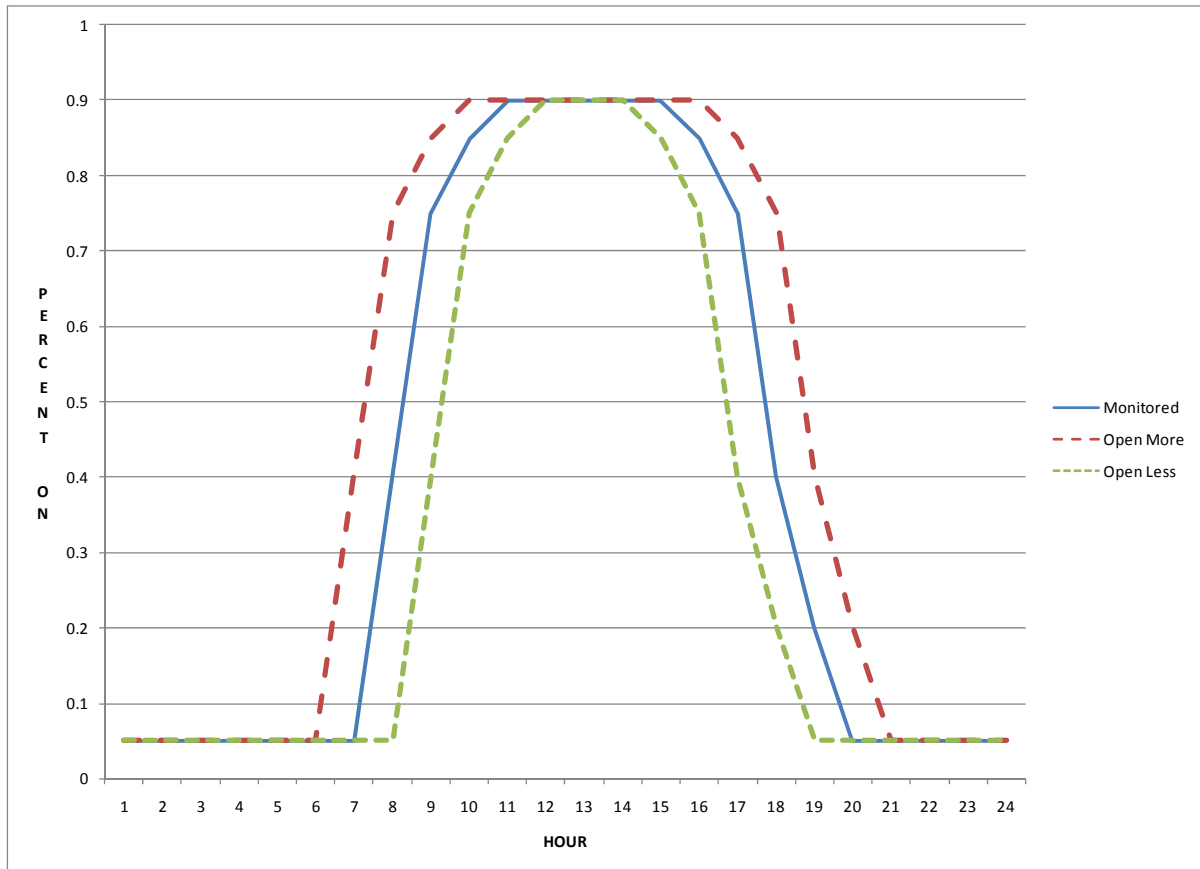
In order to extrapolate one to two months of logger data to a full year, we considered both the affects of changes in daylighting over the course of the year, and normal changes in business hours that some businesses experience over the course of the year. To investigate how natural changes in daylighting levels over the year affected usage (e.g., lighting areas that have windows or skylights may experience more hours of operation during the winter when there is less day light), regression analysis was employed. The hypothesis was that shoulder hours (early morning and late afternoon/early evening) will be correlated with more usage in space types with windows and skylights during the winter months than the summer months. Hourly regression models were developed for these hours to test this hypothesis. Unfortunately, there was not enough data collected over all months of the year to provide a reliable result to accept or reject this hypothesis. The data indicated that there was no discernable difference in usage over these months during the key hours for areas with windows or skylights. However, it is uncertain whether this was due to a lack of sufficient data or if this difference was in fact statistically insignificant. Therefore, our 8760 extrapolation did not directly take into consideration the effects of changes in daylight levels over the year.

Businesses did provide their current business hours, and reported if these hours changed over the course of the year. If a business reported a change in business hours for a portion of the year, the 8760 profile was adjusted accordingly. Using the one to two months of monitored

data, eight average daily profiles were developed for each day of the week, and separately for holidays, for each logger. For each profile, the midpoint of the open period and the midpoint for the closed period were determined. If a business reported being open more hours during another unmonitored time during the year, the profiles were shifted by expanding the profile around the open midpoint, and collapsing the profile around the closed midpoint. The opposite was true if the business reported being closed more hours, so that the profiles were shifted by expanding the profile around the closed midpoint, and collapsing the profile around the open midpoint. The shifting around the midpoints was chosen for two reasons. First, the load shapes tend to be most consistent for the hours around these two points (generally the peak and the trough of the load shape). Second, if a customer reported a shift in the business hours (same number of open hours, but at a different time) this approach would have the affect of simply just shifting the entire profile. It is important to note that a very small number of customers reported changes in the business hours over the course of the year (less than 2%).

Figure G-8 provides an example of a business that was open from 9 a.m. to 5 p.m. during the monitored period, and how the load shape would change if the business hours changed from 10 a.m. to 4 p.m., or 8 a.m. to 6 p.m. Essentially the midpoint at 1 p.m. is being stretched out, or the hours around 1 p.m. are being collapsed; and the converse is true around the closed midpoint at 1 a.m.

**Figure G-8: Example of Load Shape Shift due to Business Hour Changes**



The next step after extrapolating each individual logger to an 8760 load profile, is to aggregate each logger up to a site-space type level. This aggregation only occurs when there is more than one logger at a site in a similar space type. To aggregate the loggers, a weight is associated with each logger that is equal to the number of fixtures/lamps to which the logger corresponds. Next, the site-space type level load shapes are aggregated to the market segment-space type level. To perform this aggregation, each site-space type profile is weighted to represent the number of lamps/fixtures being represented in the population. However, for linear fluorescent measures, there was sufficient sample to also segment the analysis by program type, differentiating between direct installation programs and downstream rebate programs (such as Express Efficiency, which comprised nearly all of the non-direct installation sample). Therefore, for linear fluorescents, this intermediate analysis was conducted at the program type, analysis market segment and space type level.<sup>7</sup>

<sup>7</sup> Note that there was not sufficient sample to conduct the analysis at the program type level for high bay lighting or downstream CFLs. For upstream CFLs, there is only the one program type.

It is important to note that the final results will be developed by program and market segment (as well as by measure) and serve as inputs for the ED's final staff report. The market segment was determined by mapping the reported building type and NAICs code found in the tracking databases to the appropriate DEER market segment. This effort was completed for the population of the tracking data to be used in the ED's final staff report. The process that created this market segment variable for reporting purposes and use in the ED's final staff report is referred to as the ED DEER market segment throughout this appendix.

For linear fluorescents, high bay fixtures and downstream CFLs, every participant in the tracking data has an ED DEER market segment defined. However, upstream CFL participants are not identified in the tracking data. Therefore, a different process was used to classify an "upstream participant's" market segment. For upstream CFL participants, customers were asked about their business operations, and were classified into a market segment based on an analysis of their survey response, their NAICS code (from the CIS), and their business name in the CIS.

As part of our on-site visit, all customers were asked about their business, and customers were classified into a market segment based on this information. It was felt that this process for classifying a customer's market segment was more accurate than the ED DEER market segment classification. Therefore, all of the above analyses were performed using a market segmentation based on this process (referred to as the "analysis market segment"). In order to produce the final results at the ED DEER market segment level, these intermediate results at the analysis market segment and space type level (and program type for linear fluorescents) needed to be aggregated to the program and ED DEER market segment level.

Therefore, the next step is to take the percent-on profiles that are by analysis market segment and space type (and program type for linear fluorescents) and collapse them to make them specific to a program at the ED DEER market segment level. A set of weights were developed in order to perform this aggregation of intermediate results. For each ED DEER market segment for a given program, it was necessary to develop a distribution of how the measures were installed across each combination of the analysis market segment and space type (and program type for linear fluorescents). That way it was possible to combine all the analysis market segment and space type (and program type for linear fluorescents) load shapes into a program- ED DEER market segment load shape.

Developing these distributions is a relatively straightforward process. Using the data collected onsite, the number of fixtures/lamps installed in each analysis market segment and space type (and program type for linear fluorescents) can be determined for each combination of program and ED DEER market segment.

Applying these distributions, the analysis market segment-space type (and program type for linear fluorescents) load shapes can be aggregated into load shapes by program and ED DEER market segment, providing the desired end result of this step of the analysis. These 8760 load shapes can also be aggregated over time to provide an estimate of the annual operating hours by program and ED DEER market segment.

Table G-29 through Table G-32 provide the annual operating hours developed at the analysis market segment and space type level for each HIM. For linear fluorescents, annual operating hours are presented by program type, market segment, and space type.

Table G-33 through Table G-36 provides the annual operating hours aggregated to the program and ED DEER market segment level.

**Table G-29: Linear Fluorescent Operating Hours by Program Type, Analysis Market Segment, and Space Type**

Market Segment Activity Area	Direct Install				Express			
	Operating Hours		Coincident Peak Factor		Operating Hours		Coincident Peak Factor	
	Mean	StdErr	Mean	StdErr	Mean	StdErr	Mean	StdErr
<b>Assembly</b>								
Assembly	720	161	14%	4%	692	58	5%	4%
HallwayLobby	1,069	339	12%	8%	-	-	0%	0%
Kitchen/Breakroom	1,719	305	30%	7%	518	-	9%	0%
Office	1,904	197	59%	11%	1,335	274	38%	12%
OtherMisc	1,789	342	36%	7%	688	388	15%	11%
<b>Grocery</b>								
OtherMisc	4,279	393	79%	7%	7,110	-	100%	0%
RetailSales	5,345	391	93%	5%	3,971	1,585	99%	1%
<b>Health/Medical – Clinic</b>								
Comm/IndWork	3,560	347	85%	7%	3,331	336	91%	3%
HallwayLobby	4,654	387	85%	5%	4,093	595	81%	3%
Kitchen/Breakroom	3,112	303	83%	7%	3,340	831	39%	20%
Office	2,341	130	74%	4%	2,972	186	71%	3%
OtherMisc	2,475	252	51%	5%	1,767	491	33%	13%
PatientRooms	2,901	326	62%	5%	997	-	9%	0%
Storage	714	252	22%	8%	8,654	-	100%	0%
<b>Office - Small</b>								
Comm/IndWork	2,423	217	65%	6%	5,817	630	78%	4%
ConferenceRoom	1,092	185	30%	7%	1,897	135	60%	5%
HallwayLobby	2,506	152	75%	4%	4,907	895	95%	6%
Kitchen/Breakroom	1,347	228	35%	5%	4,719	2,165	63%	22%
Office	2,091	73	69%	2%	3,417	764	77%	6%
OtherMisc	1,651	195	52%	5%	2,465	-	92%	0%
Restrooms	1,641	439	42%	10%	-	-	0%	0%
Storage	1,160	156	34%	5%	416	135	74%	10%



**Table G-29 (cont'd): Linear Fluorescent Operating Hours by Program Type, Analysis Market Segment, and Space Type**

Market Segment Activity Area	Direct Install				Express			
	Operating Hours		Coincident Peak Factor		Operating Hours		Coincident Peak Factor	
	Mean	StdErr	Mean	StdErr	Mean	StdErr	Mean	StdErr
<b>Other</b>								
Comm/IndWork	2,405	243	56%	6%	3,185	399	84%	4%
HallwayLobby	3,757	734	71%	8%	5,446	740	47%	5%
Office	1,131	124	38%	3%	2,550	244	19%	17%
OtherMisc	2,291	230	54%	6%	2,032	334	69%	15%
Restrooms	325	158	10%	6%	1,347	951	9%	0%
Storage	1,310	323	30%	10%	3,371	844	38%	12%
<b>Restaurant</b>								
Dining	3,115	476	57%	11%	-	-	0%	0%
Kitchen/Breakroom	4,355	527	77%	9%	7,387	-	100%	0%
OtherMisc	2,758	294	66%	8%	-	-	0%	0%
<b>Retail – Small</b>								
AutoRepairWorkshop	2,235	210	68%	6%	3,823	277	99%	2%
Comm/IndWork	3,352	402	70%	6%	4,888	1,118	90%	7%
HallwayLobby	2,099	334	61%	8%	3,440	387	95%	9%
Kitchen/Breakroom	1,168	252	28%	7%	1,782	-	47%	0%
Office	1,913	128	58%	3%	1,916	268	72%	13%
OtherMisc	2,873	278	76%	6%	2,784	818	83%	35%
Restrooms	734	204	21%	5%	-	-	0%	0%
RetailSales	3,047	110	91%	2%	3,457	387	87%	6%
Storage	2,587	205	73%	4%	3,688	545	89%	12%
<b>Warehouse</b>								
Office	2,191	222	67%	6%	3,092	325	82%	5%
OtherMisc	1,436	376	35%	8%	2,075	572	54%	12%
Storage	2,073	378	57%	10%	2,292	549	24%	10%

**Table G-30: High Bay Lighting Operating Hours by Analysis Market Segment and Space Type**

Market Segment Activity Area	Operating Hours		Coincident Peak Factor	
	Mean	StdErr	Mean	StdErr
<b>Other</b>				
Comm/Ind Work	3,601	290	64%	5%
OtherMisc	2,338	185	74%	13%
Storage	1,979	239	56%	8%

**Table G-31: Downstream CFL Operating Hours by Analysis Market Segment and Space Type**

Market Segment Activity Area	Operating Hours		Coincident Peak Factor	
	Mean	StdErr	Mean	StdErr
<b>Assembly</b>				
Assembly	466	113	0%	0%
HallwayLobby	1,548	359	22%	8%
OtherMisc	1,021	216	20%	6%
Restrooms	297	189	4%	4%
<b>Health/Medical - Clinic</b>				
HallwayLobby	2,452	541	66%	11%
OtherMisc	1,017	260	10%	3%
Restrooms	414	81	9%	2%
<b>Lodging</b>				
Guest Rooms	693	79	5%	1%
OtherMisc	1,309	401	19%	8%
<b>Office - Small</b>				
OtherMisc	1,753	382	54%	14%
Restrooms	371	95	14%	4%
<b>Other</b>				
OtherMisc	3,114	428	66%	10%
Restrooms	320	147	7%	3%
Storage	2,381	903	37%	14%
<b>Restaurant</b>				
OtherMisc	1,218	764	21%	14%
Restrooms	1,378	513	27%	7%
<b>Retail - Large</b>				
RetailSales	5,494	103	86%	9%
<b>Retail - Small</b>				
OtherMisc	2,100	751	42%	11%
Restrooms	580	117	14%	3%
RetailSales	2,079	744	37%	13%
Storage	1,124	388	27%	9%

**Table G-32: Upstream CFL Operating Hours by Analysis Market Segment and Space Type**

Market Segment Activity Area	Operating Hours		Coincident Peak Factor	
	Mean	StdErr	Mean	StdErr
<b>Assembly</b>				
Assembly	707	97	6%	1%
HallwayLobby	1,834	275	41%	5%
Kitchen/Breakroom	634	235	13%	7%
Office	1,516	379	57%	10%
OtherMisc	1,620	290	34%	7%
Outdoor	4,100	-	0%	0%
Restrooms	2,211	287	32%	6%
Storage	826	309	17%	6%
<b>Health/Medical - Clinic</b>				
HallwayLobby	1,781	303	52%	7%
Office	2,432	214	76%	9%
OtherMisc	1,686	316	5%	5%
Restrooms	2,105	547	28%	6%
<b>Lodging</b>				
Guest Rooms	698	36	9%	1%
HallwayLobby	4,934	303	57%	5%
Kitchen/Breakroom	2,372	869	29%	14%
Mechanical/Electrical Room	3,282	632	57%	11%
Office	2,337	567	49%	12%
OtherMisc	4,937	481	78%	7%
Outdoor	4,100	-	0%	0%
Restrooms	708	118	9%	2%
Storage	3,743	632	80%	10%
<b>Office - Small</b>				
HallwayLobby	3,405	460	63%	7%
Office	1,709	252	58%	6%
OtherMisc	1,748	339	49%	10%
Outdoor	4,100	-	0%	0%
Restrooms	599	199	15%	4%
Storage	1,168	306	17%	7%

**Table G-32 (cont'd.): Upstream CFL Operating Hours by Analysis Market Segment and Space Type**

Market Segment Activity Area	Operating Hours		Coincident Peak Factor	
	Mean	StdErr	Mean	StdErr
<b>Other</b>				
HallwayLobby	2,982	289	64%	9%
Office	1,025	196	19%	7%
OtherMisc	2,321	460	47%	10%
Outdoor	4,100	-	0%	0%
Restrooms	1,601	290	35%	6%
Storage	3,945	854	72%	10%
<b>Restaurant</b>				
Dining	4,143	277	68%	5%
HallwayLobby	4,004	636	56%	9%
Kitchen/Breakroom	3,938	381	85%	6%
Office	2,370	465	35%	8%
OtherMisc	4,302	627	89%	4%
Outdoor	4,100	-	0%	0%
Restrooms	3,278	327	58%	6%
Storage	2,959	514	42%	7%
<b>Retail - Small</b>				
HallwayLobby	3,083	461	77%	11%
Office	4,661	681	83%	10%
OtherMisc	1,785	382	54%	9%
Outdoor	4,100	-	0%	0%
Restrooms	414	192	10%	3%
RetailSales	4,064	361	87%	3%
Storage	602	293	22%	10%

**Table G-33: Linear Fluorescent Operating Hours by Program and ED DEER Market Segment**

Market Segment	PG&E		SCE		SDG&E	
	Direct Install	Express	Direct Install	Express	Direct Install	Express
Assembly	1,789	1,469	1,069	1,469	1,224	1,469
Average	2,602	5,817	1,966	1,800	2,059	5,446
Education - Community College	2,137	2,646	2,137	2,646	2,137	2,646
Education - Primary School	2,368	2,633	2,291	2,326	2,343	2,452
Education - Secondary School	1,222	2,032	1,222	2,032	1,222	2,032
Education - University	2,469	3,006	2,586	2,727	2,427	2,959
Grocery	3,528	4,637	3,847	4,637	4,773	4,637
Health/Medical - Hospital	2,813	3,349	2,813	3,103	2,813	2,497
Health/Medical - Nursing Home	2,955	3,641	2,830	3,641	2,848	3,641
Lodging	2,849	1,595	1,506	1,595	4,100	1,595
Manufacturing - Bio/Tech	2,469	3,006	2,586	2,727	2,427	2,959
Manufacturing - Light Industrial	2,252	3,916	2,280	3,036	2,250	3,289
Office - Large	1,958	2,620	2,198	3,133	2,030	2,767
Office - Small	2,017	2,372	2,293	2,689	2,199	2,604
Restaurant - Fast-Food	4,101	3,005	3,381	2,724	2,958	2,959
Restaurant - Sit-Down	3,150	7,387	3,615	7,387	3,586	7,387
Retail - Multistory Large	2,630	3,430	2,630	3,430	2,630	3,430
Retail - Single-Story Large	2,670	3,841	2,534	3,841	2,813	3,841
Retail - Small	2,402	3,343	2,529	3,587	2,534	4,055
Storage - Conditioned	2,469	2,609	2,586	3,048	2,427	2,772
Storage - Unconditioned	1,520	2,646	2,087	2,918	2,343	2,854

**Table G-34: High Bay Lighting Operating Hours by Program and ED DEER Market Segment**

Market Segment	PG&E		SCE		SDG&E	
	Direct Install	Express	Direct Install	Express	Direct Install	Express
Assembly	N/A	2,338	N/A	2,338	2,869	2,338
Average	N/A	3,601	N/A	2,182	2,853	3,400
Education - Community College	N/A	3,241	N/A	2,766	2,869	3,601
Education - Primary School	N/A	2,338	N/A	2,338	2,869	2,338
Education - Secondary School	N/A	3,241	N/A	2,766	2,869	3,601
Education - University	N/A	3,241	N/A	2,766	2,869	3,601
Grocery	N/A	1,979	N/A	1,979	2,869	1,979
Health/Medical – Hospital	N/A	3,241	N/A	2,766	2,869	3,601
Health/Medical - Nursing Home	N/A	3,241	N/A	2,766	2,869	3,601
Lodging	N/A	1,979	N/A	1,979	2,869	1,979
Manufacturing - Bio/Tech	N/A	3,241	N/A	2,766	2,869	3,601
Manufacturing - Light Industrial	N/A	3,266	N/A	3,437	3,324	3,347
Office – Large	N/A	3,601	N/A	3,601	2,869	3,601
Office – Small	N/A	2,338	N/A	2,892	3,601	2,739
Restaurant - Fast-Food	N/A	3,241	N/A	2,766	2,869	3,601
Restaurant - Sit-Down	N/A	3,241	N/A	2,766	2,869	3,601
Retail - Multistory Large	N/A	3,601	N/A	3,601	2,869	3,601
Retail - Single-Story Large	N/A	2,338	N/A	2,338	2,869	2,338
Retail – Small	N/A	3,184	N/A	3,211	2,540	3,601
Storage – Conditioned	N/A	2,887	N/A	2,887	2,869	2,887
Storage – Unconditioned	N/A	3,242	N/A	2,074	3,137	2,795

**Table G-35: Downstream CFL Operating Hours by Program and ED DEER Market Segment**

Market Segment	PG&E					SCE		SDG&E	
	PGE2016	PGE2017	PGE2021	PGE2054	PGE2080*	SCE2511	SCE2517*	SDGE3012*	SDGE3020
Assembly	827	827	827	827	770	737	827	827	1,546
Average	1,409	1,409	1,409	1,409	1,409	1,409	1,142	1,409	2,223
Education - Community College	1,987	1,987	1,987	1,987	1,987	1,987	1,987	1,987	1,987
Education - Primary School	2,919	2,919	2,919	3,114	2,919	320	3,404	2,919	2,919
Education - Secondary School	876	1,669	1,456	1,150	2,741	1,474	2,773	699	1,166
Education - University	876	1,669	1,456	1,150	2,741	1,474	2,773	699	1,166
Grocery	2,778	2,778	2,381	1,124	2,778	2,870	2,778	2,778	2,778
Health/Medical - Hospital	2,294	2,294	2,710	2,294	2,294	2,294	1,754	2,294	2,294
Health/Medical - Nursing Home	1,222	1,222	1,222	1,222	1,387	1,204	1,222	1,222	1,222
Lodging	876	820	1,017	958	753	1,444	709	693	749
Manufacturing - Bio/Tech	876	1,669	1,456	1,150	2,741	1,474	2,773	699	1,166
Manufacturing - Light Industrial	415	415	415	415	415	415	415	415	415
Office - Large	2,753	2,753	1,344	2,277	3,119	2,753	1,556	2,753	371
Office - Small	1,503	1,621	1,148	1,216	4,100	1,384	1,292	1,503	980
Restaurant - Fast-Food	1,936	1,936	1,936	1,936	1,936	1,936	1,936	1,936	1,936
Restaurant - Sit-Down	1,371	1,371	1,371	1,174	1,371	1,303	1,371	1,371	3,157
Retail - Multistory Large	1,478	1,834	2,218	1,478	689	1,478	1,478	1,478	1,478
Retail - Single-Story Large	5,056	5,056	5,056	5,056	5,487	1,435	5,494	5,056	1,232
Retail - Small	1,496	1,588	2,293	1,633	2,051	1,448	1,496	2,079	1,127
Storage - Conditioned	2,287	2,287	2,287	2,287	2,287	2,287	2,287	2,287	2,287
Storage - Unconditioned	2,551	2,551	2,551	2,551	3,114	2,551	3,114	2,551	580

\* These programs all have at least a component of the program that is Express Efficiency, and the remaining programs are more in line with a direct installation program.

**Table G-36: Upstream CFL Operating Hours by Program and ED DEER Market Segment**

Market Segment	PG&E	SCE	SDG&E
Agriculture	3,521	3,297	1,217
Assembly	1,617	1,892	1,348
Communications	1,032	1,032	1,032
Construction	3,303	2,905	2,989
Education - Other	2,608	2,517	2,812
Education - Secondary School	3,278	3,356	1,025
Grocery	2,934	3,826	2,203
Health/Medical	2,489	2,122	2,063
Lodging	1,083	1,467	1,106
Manufacturing - Light Industrial	2,436	2,446	2,693
Misc. Commercial	2,202	1,934	2,552
Missing	2,687	2,720	3,645
Office - Small	3,050	2,836	2,551
Restaurant	3,705	3,942	3,909
Retail	3,243	2,958	3,004
Sic 20 Food & Kindred Products	2,669	2,662	2,854
Unknown	2,559	2,559	2,559
Utilities	4,052	4,052	4,052
Warehouse	3,980	2,805	3,111



**Table G-37: Linear Fluorescent Coincident Peak by Program and ED DEER Market Segment**

Market Segment	PG&E		SCE		SDG&E	
	Direct Install	Express	Direct Install	Express	Direct Install	Express
Assembly	36%	37%	23%	37%	26%	37%
Average	58%	78%	52%	38%	50%	95%
Education - Community College	50%	59%	50%	59%	50%	59%
Education - Primary School	54%	60%	54%	52%	54%	55%
Education - Secondary School	24%	47%	24%	47%	24%	47%
Education - University	62%	71%	67%	65%	63%	53%
Grocery	71%	99%	80%	99%	85%	99%
Health/Medical - Hospital	74%	66%	74%	59%	74%	43%
Health/Medical - Nursing Home	78%	32%	71%	32%	72%	32%
Lodging	59%	29%	35%	29%	56%	29%
Manufacturing - Bio/Tech	62%	71%	67%	65%	63%	53%
Manufacturing - Light Industrial	62%	76%	54%	74%	63%	75%
Office - Large	56%	69%	52%	69%	63%	69%
Office - Small	57%	66%	68%	81%	62%	77%
Restaurant - Fast-Food	75%	71%	65%	65%	48%	53%
Restaurant - Sit-Down	52%	100%	71%	100%	65%	100%
Retail - Multistory Large	75%	87%	75%	87%	75%	87%
Retail - Single-Story Large	75%	85%	69%	85%	82%	85%
Retail - Small	66%	85%	72%	93%	69%	16%
Storage - Conditioned	62%	61%	67%	70%	63%	64%
Storage - Unconditioned	39%	51%	61%	68%	68%	64%

**Table G-38: High Bay Lighting Coincident Peak by Program and ED DEER Market Segment**

Market Segment	PG&E		SCE		SDG&E	
	Direct Install	Express	Direct Install	Express	Direct Install	Express
Assembly	N/A	74%	N/A	74%	61%	74%
Average	N/A	64%	N/A	57%	62%	63%
Education - Community College	N/A	63%	N/A	64%	61%	64%
Education - Primary School	N/A	74%	N/A	74%	61%	74%
Education - Secondary School	N/A	63%	N/A	64%	61%	64%
Education - University	N/A	63%	N/A	64%	61%	64%
Grocery	N/A	56%	N/A	56%	61%	56%
Health/Medical – Hospital	N/A	63%	N/A	64%	61%	64%
Health/Medical - Nursing Home	N/A	63%	N/A	64%	61%	64%
Lodging	N/A	56%	N/A	56%	61%	56%
Manufacturing - Bio/Tech	N/A	63%	N/A	64%	61%	64%
Manufacturing - Light Industrial	N/A	64%	N/A	64%	66%	64%
Office – Large	N/A	64%	N/A	64%	61%	64%
Office – Small	N/A	74%	N/A	70%	64%	71%
Restaurant - Fast-Food	N/A	63%	N/A	64%	61%	64%
Restaurant - Sit-Down	N/A	63%	N/A	64%	61%	64%
Retail - Multistory Large	N/A	64%	N/A	64%	61%	64%
Retail - Single-Story Large	N/A	74%	N/A	74%	61%	74%
Retail – Small	N/A	63%	N/A	63%	59%	64%
Storage – Conditioned	N/A	60%	N/A	60%	61%	60%
Storage – Unconditioned	N/A	62%	N/A	55%	61%	59%

**Table G-39: Downstream CFL Coincident Peak by Program and ED DEER Market Segment**

Market Segment	PG&E					SCE		SDG&E	
	PGE2016	PGE2017	PGE2021	PGE2054	PGE2080*	SCE2511	SCE2517*	SDGE3012*	SDGE3020
Assembly	7%	7%	7%	7%	10%	6%	7%	7%	8%
Average	9%	9%	9%	9%	9%	9%	8%	9%	13%
Education - Community College	7%	7%	7%	7%	10%	6%	7%	7%	8%
Education - Primary School	9%	9%	9%	9%	9%	9%	8%	9%	13%
Education - Secondary School	6%	25%	21%	15%	42%	23%	40%	5%	12%
Education - University	6%	25%	21%	15%	42%	23%	40%	5%	12%
Grocery	24%	24%	37%	27%	24%	23%	24%	24%	24%
Health/Medical - Hospital	25%	25%	33%	25%	25%	25%	16%	25%	25%
Health/Medical - Nursing Home	28%	28%	28%	28%	24%	29%	28%	28%	28%
Lodging	6%	6%	10%	9%	6%	7%	5%	5%	6%
Manufacturing - Bio/Tech	6%	25%	21%	15%	42%	23%	40%	5%	12%
Manufacturing - Light Industrial	11%	11%	11%	11%	11%	11%	11%	11%	11%
Office - Large	55%	55%	42%	33%	64%	55%	18%	55%	14%
Office - Small	25%	23%	28%	18%	25%	29%	41%	25%	16%
Restaurant - Fast-Food	36%	36%	36%	36%	36%	36%	36%	36%	36%
Restaurant - Sit-Down	21%	21%	21%	20%	21%	23%	21%	21%	8%
Retail - Multistory Large	24%	31%	26%	24%	17%	24%	24%	24%	24%
Retail - Single-Story Large	80%	80%	80%	80%	86%	30%	86%	80%	23%
Retail - Small	24%	25%	44%	30%	37%	22%	24%	37%	25%
Storage - Conditioned	39%	39%	39%	39%	39%	39%	39%	39%	39%
Storage - Unconditioned	55%	55%	55%	55%	66%	55%	66%	55%	14%

\* These programs all have at least a component of the program that is Express Efficiency, and the remaining programs are more in line with a direct installation program.

**Table G-40: Upstream CFL Operating Hours by Program and ED DEER Market Segment**

Market Segment	PG&E	SCE	SDG&E
Agriculture	45%	43%	24%
Assembly	18%	30%	11%
Communications	45%	43%	24%
Construction	18%	30%	11%
Education - Other	23%	21%	27%
Education - Secondary School	30%	28%	19%
Grocery	7%	19%	40%
Health/Medical	58%	30%	52%
Lodging	13%	16%	13%
Manufacturing - Light Industrial	30%	42%	55%
Misc. Commercial	38%	39%	40%
Missing	40%	41%	76%
Office - Small	58%	39%	41%
Restaurant	54%	62%	60%
Retail	55%	56%	59%
Sic 20 Food & Kindred Products	53%	53%	52%
Unknown	53%	53%	53%
Utilities	59%	59%	59%
Warehouse	77%	45%	42%

One issue that was raised in this analysis was how to address exterior CFLs. A small percentage of CFLs were installed in outdoor areas, which are difficult to monitor with the lighting logger equipment used for this study. The original evaluation plan for this study was going to exclude the monitoring of exterior CFLs. However, because a sufficient number of exterior CFLs were found to have been installed, loggers were installed on a small sample. The primary issue with the use of this monitoring equipment is that the lighting logger cannot always differentiate between daylight and the CFL being on. Generally, exterior lights are used most frequently when it is dark, but certainly not always. Rather than attempt to estimate annual hours of operation and load shapes, we used the logger data to validate ex ante assumptions about usage. Ex ante annual operating hours for exterior CFLs are estimated at 4,100. Without censoring any of the lighting logger data due to potential issues with daylight, exterior CFLs were estimated to have annual operating hours of 4,134. Because of the issue discussed above regarding the interference of daylight with the loggers, we also analyzed the annual hours of use only between the hours of 7pm and 7am, when daylight is less of an issue. During these hours we found the exterior CFLs to operate for 3,436 hours annually, which is clearly a lower bound for the annual operating hours for exterior lamps. We also estimated a 90% confidence interval for this value, which had an

upper bound of 4,070 hours annually. Based on this analysis, we found the exterior lighting loggers to validate the 4,100 hour ex ante estimate. Therefore, we accepted the ex ante estimates for exterior CFL usage for this evaluation.

### ***G.7.2 Development of 8760 Pre-Retrofit Percent-On Load Shapes – By Program and Market Segment***

The second step is to develop baseline or pre-retrofit 8760 percent-on hourly load shapes. The first phase of this analysis was to determine if there was a change in load shape between the pre- and post-retrofit periods. This is done differently for CFLs and high bay measures (which had little or no pre-monitored data), and Linear Fluorescent (which had 104 customers with pre- and post-monitored data).

For Linear Fluorescent measures, the time of use logger data was used to develop the percent of the time the lights were on over the entire monitored period. Each logger in the analysis was paired, so one logger represented the pre-retrofit period, and the other the post-retrofit period. The loggers were weighted up to the population, based on fixture counts, such that a population estimate could be made for an average percent on for both the pre- and post-retrofit periods. It was found that the average percent on during the pre-retrofit period was 30.4% and the average percent on during the post-retrofit period was 30.0%. The difference was just 0.34% (about a 1% difference), but was not statistically significantly different from zero at the 90% confidence level. Therefore, it was determined that for linear fluorescents that the pre-retrofit load shape would utilize the post-retrofit load shape.

For CFLs and high bay measures, little or no pre-retrofit monitoring was conducted, but customers were asked during the on-site visit if their lighting schedules had changed as a result of the retrofit. Linear fluorescent participants were also asked this question, which was analyzed to validate the logger results. When weighted by the number of fixtures installed, less than 1% of the linear fluorescent participants, 2% of the high bay participants, and none of the CFL participants reported a change in the way in which they operated their lighting systems after the retrofit. Therefore, it was determined that for all measures the pre-retrofit load shape would utilize the post-retrofit load shape.

### ***G.7.3 Development of Pre- and Post-Retrofit Wattages – By Program and Measure***

The overall objective of this step was to determine the average pre- and post-retrofit wattages by program and measure. The pre-wattage values are essentially the baseline wattages used to estimate impacts. Initially, consideration was given to treating the linear fluorescent measures with a dual baseline. Past research has shown that many participants, particularly those that participate in direct install programs, retrofit lighting systems that are still

operable. In fact, during interviews with participants, there are those that state they would not have performed a retrofit in the absence of the program (which we will refer to as early replacers) and there are those that state they would have retrofitted in the absence of the program. For a customer that would have retrofitted in the absence of the program, their baseline would be what the minimum code requirements are, which is likely more efficient than what their pre-existing equipment is. For a customer that is an early replacer, their baseline is simply their pre-existing equipment. However, this baseline would only be in place for the remaining useful life of their pre-existing equipment, which is less than the effective useful life of the rebated equipment. Therefore, for the early replacers, a dual baseline would need to be put into place, where the baseline for the remaining useful life would be the pre-existing equipment, and the baseline for the years after and up to the effective useful life would be what the minimum code requirements are.

The Energy Division decided to treat all linear fluorescent fixtures as having a baseline that is equal to the pre-existing equipment over the effective useful life of the rebated measure. It is likely that this will result in overstating the energy savings associated with linear fluorescent measures.

Both pre-retrofit (baseline) and post-retrofit wattages for linear fluorescents and high bay lighting were determined using a combination of spot watt measurements and manufacturer data. For CFLs, post-retrofit wattage was also based on manufacturer data, however, pre-retrofit wattage was based on self-report data.

For linear fluorescents and high bay lighting, spot watt measurements were taken whenever feasible as part of the pre-post study. In addition, manufacturer and model data was gathered, which was used to determine manufacturer rated wattages. The spot watt measurements were compared to post-retrofit manufacturer specifications and were found to be nearly identical, both validating the spot watt measurement's accuracy, and the reliability of manufacturer data for new equipment. However, it was believed that manufacturer data for pre-existing equipment would not be as reliable as the systems are old, may be partially failing and may have undergone changes that could affect the wattage of the fixtures. This hypothesis was validated through the comparison of spot watt measurements. Table G-41 below shows that for post-retrofit equipment, the spot watt measurement and manufacturer data differed by less than one percent. For pre-retrofit measures, however, spot watt measurements were found to exhibit wattages that were about 10% lower than manufacturer data.

**Table G-41: Comparison of Spot Watt Measurements and Manufacturer Data**

Equipment	Number of Spot Watt Measurements	Average Spot Watt Measurement (watts)	Average Manufacturer Data (watts)	Percent Difference
Post-Retrofit	220	66.2	66.5	0.5%
Pre-Retrofit	198	82.1	90.7	9.5%

Based on these findings, it was determined that manufacturer data provided a reliable estimate of post-retrofit wattage. For pre-retrofit wattages, the spot watt measurements were considered to be more reliable. However, there were fewer data points for spot watt measurements than there were using manufacturer data. Because the analysis of wattage was done at the configuration level, many pre-retrofit configurations had little or no spot watt measurements, but did have manufacturer estimates of wattages. Therefore, the spot watt measurement findings were used to adjust the manufacturer results for the pre-retrofit wattages. Essentially, the manufacturer reported wattages were adjusted downward by the 10% value presented in Table G-41 above.

For the post-retrofit wattages for linear fluorescents and high bay lighting, the average wattage (weighted by fixture counts) was estimated by fixture configuration for all customers that had manufacturer data. Using the onsite data, the distribution of fixture configurations could be determined for a given measure (some measures may be associated with a single configuration, whereas others may have encompassed multiple configurations). The average post-retrofit wattage for a given program and measure could then be developed by aggregating across the distribution of configurations found to comprise a measure. The end result is an average post-retrofit wattage that is associated with all program-measure combinations. If a measure was not included in the on sites, a distribution of configurations was not available. In many cases the fixture configuration could be uniquely determined by the measure description. When this was not the case, similar measure descriptions were used that were visited onsite to determine the distribution of fixture configurations.

Pre-retrofit wattages for linear fluorescents and high bay lighting were developed similarly, but were based on manufacturer data that was adjusted by the spot watt measurements as discussed above. First, an average wattage was estimated for each pre-retrofit configuration. Then using the on-site data, a distribution of pre-retrofit configurations could be determined for each post-retrofit measure. Pre-retrofit configurations were gathered as part of the pre-post study, as well as the post-only monitoring study. For the post-only monitoring study, this was gathered through self report. However, oftentimes the entire area was not retrofitted so that the auditor could base the pre-configuration on the non-retrofitted areas, if the customer reported that the same types of fixtures were in the retrofitted area. Finally, for some sites, the removed equipment was still at the site, such that the pre-retrofit lighting

configuration could be determined. However, pre-retrofit fixture configurations could only be determined for about a third of the post-only lighting study sample. As with the post-retrofit wattages, the average pre-retrofit wattage for a given program and measure could then be developed by aggregating across the distribution of configurations found to comprise a measure. The result is an average pre-retrofit wattage that is associated with all program-measure combinations. If a measure was not included in the on sites, a distribution of pre-retrofit configurations was not available. In many cases, the fixture configuration could be assumed using the measure description. When this was not the case, similar measure descriptions were used that were visited onsite to determine the distribution of pre-retrofit fixture configurations.

Presented below are the pre- and post-retrofit wattages for linear fluorescent and high bay measures. Shown first in Table G-42 are the wattages by fixture configuration for linear fluorescents and high bay measures, respectively. These fixture configuration level wattages are then used to develop the wattages by IOU and measure, which are presented in tables Table G-43 and Table G-44 for linear fluorescents and high bay measures, respectively.

Because the data collection effort for the high bay lighting measures was significantly less than the linear fluorescents, the pre- and post-retrofit wattages are relatively sparse across the various measure configurations installed. Therefore, ex ante assumptions for pre- and post-retrofit wattages were used in the final estimates for impact load shapes and UES values, rather than the wattages presented below.



**Table G-42: Linear Fluorescent and High Bay Average Pre- and Post-Retrofit Wattage by IOU and Fixture Configuration**

Utility	Fixture Type	Fixture Configuration	Post Watts Per Unit	Pre Watts Per Unit
PGE	4ft_T8	2 Lamp Fixture	46	87
PGE	4ft_T8	3 Lamp Fixture	50	122
PGE	4ft_T8	4 Lamp Fixture	89	148
PGE	4ft_T8	Lamp	28	39
PGE	4ft_T8_LampSwitch	Lamp	24	31
PGE	8ft_T8	Lamp	54	71
PGE	CFL_LF	Miscellaneous	80	100
PGE	HighBayLF	4 Lamp Fixture	228	378
PGE	HighBayLF	Miscellaneous	83	108
SCE	2ft_T8	Lamp		87
SCE	3ft_T8	Lamp	31	
SCE	4ft_T8	2 Lamp Fixture	58	86
SCE	4ft_T8	3 Lamp Fixture	89	132
SCE	4ft_T8	4 Lamp Fixture	103	148
SCE	4ft_T8	1 Lamp Fixture	28	40
SCE	8ft_T8	Fixture1	54	
SCE	8ft_T8	2 Lamp Fixture	106	133
SCE	8ft_T8	3 Lamp Fixture	216	252
SCE	HighBayLF	4 Lamp Fixture	222	418
SCE	HighBayLF	Miscellaneous	178	445
SDGE	3ft_T8	Lamp	23	
SDGE	4ft_T8	Lamp	28	42
SDGE	8ft_T8	Lamp	53	63
SDGE	CFL_LF	Miscellaneous	29	122
SDGE	HighBayLF	4 Lamp Fixture	197	209
SDGE	HighBayLF	Miscellaneous	206	505

**Table G-43: Linear Fluorescent Average Pre- and Post-Retrofit Wattage by Program and Measure**

Utility	Measure Code	IOU Measure Name/Description	Unit Basis	Pre Watts Per Unit	Post Watts Per Unit
PGE	L290	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	Lamp	39.2	28.0
PGE	L299	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	Lamp	71.2	53.8
PGE	L730	28 WATT T8 REPLACING 32 WATT T8	Lamp	31.1	23.6
PGE	L915	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	Fixture	86.9	45.9
PGE	L924	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	Fixture	122.4	49.8
PGE	L925	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	Fixture	142.4	89.5
PGE	L939	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	Lamp	43.6	28.1
PGE	L940	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	Lamp		54.3
PGE	L954	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	Fixture	87.1	54.9
PGE	L955	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	Fixture	109.9	75.4
PGE	L956	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	Fixture		90.9
PGE	LA04	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	Fixture	152.0	89.1
SCE	129	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	Lamp	39.7	28.3
SCE	183	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTURE	Fixture		56.3
SCE	184	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL FIXTURE	Fixture		241.7
SCE	185	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL FIXTURE	Fixture	458.0	
SCE	187	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTURE (TIER 1)	Fixture	444.4	178.2
SCE	T8_01	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture	87.1	
SCE	T8_02	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture		30.5
SCE	T8_03	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	Fixture	37.2	29.2
SCE	T8_04	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture		56.3
SCE	T8_05	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	Fixture	87.5	58.1
SCE	T8_06	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	Fixture	141.0	89.5
SCE	T8_07	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	Fixture	110.3	88.3
SCE	T8_08	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	Fixture	150.9	104.5
SCE	T8_09	(2) 96 T-12 HO TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture		104.6
SCE	T8_10	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	Fixture	151.2	101.9
SCE	T8_12	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture	126.4	104.6
SCE	T8_13	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	Fixture		54.3
SCE	T8_16	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	Fixture	132.5	106.1
SCE	T8_17	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	Fixture	252.0	215.6
SDGE	LGT003	LIGHTING-3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	Lamp		22.6
SDGE	LGT007	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	Lamp		52.9
SDGE	LGT014	LIGHTING-HARDWIRE INCAN BASE 27-65W FLRSCNT FXTR	Fixture	120.0	
SDGE	LGT016	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	Fixture	200.0	
SDGE	LGT195	PREMIUM T8 WITH T12 34WATT BASELINE	Lamp	32.1	28.2
SDGE	LGT196	PREMIUM T8 WITH T12 40 WATT BASELINE	Lamp	54.4	27.9
SDGE	LGT250	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	Lamp	63.2	53.0
SDGE	LGT251	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	Lamp	63.2	52.9
SDGE	LGT370	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	Lamp	43.6	28.6
SDGE	LGT371	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	Lamp		29.2
SDGE	LGT373	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	Lamp	40.1	27.8
SDGE	LGT374	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	Lamp	40.2	27.5
SDGE	LGT375	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	Lamp	38.0	26.5
SDGE	SBS07073	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	Fixture		29.2

**Table G-44: High Bay Lighting Average Pre- and Post-Retrofit Wattage by Program and Measure**

Utility	Measure Code	IOU Measure Name/Description	Unit Basis	Pre Watts Per Unit	Post Watts Per Unit
PGE	L292	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	Fixture	378.2	231.2
PGE	L895	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	Fixture		172.3
SCE	115	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	Fixture	418.4	222.1
SDGE	EXP07085	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACING > 400 WATTS	Fixture		201.1
SDGE	EXP07089	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACING 400 WATTS (TIER 1)	Fixture	450.7	188.7
SDGE	LGT185	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	Fixture	208.5	196.9
SDGE	LGT280	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	Fixture		196.9
SDGE	SBS07006	LIGHTING-INTR HIBY LNR FLRSCNTEFXTR600W RPLC>400TR2	Fixture		223.4
SDGE	SBS07025	LIGHTING-INTRHIBYLNRFSLCNTFXTR244WRPLC400W(TRI)TR1	Fixture	460.4	224.5
SDGE	SBS07026	LIGHTING-INTRHIBYLNRFSLCNTFXTR244WRPLC400W(TRI)TR2	Fixture	458.0	224.4
SDGE	SBS07100	LIGHTING-INTR HIBY LNR FLRSCNTEFXTR600W RPLC>400TR1	Fixture	770.6	172.8

For CFLs, manufacturer and model information were collected onsite for post-retrofit measures to estimate the wattage of the lamps installed, rather than simply relying on program tracking data. Average wattages were estimated by measure. It is important to note that some measures were associated with a single wattage description, but on-sites revealed that the measure description’s wattage was not always what was installed.

If a measure was not included in the on sites, and the measure description was associated with a single wattage, then that wattage was used for the post-retrofit wattage. If a measure description was associated with a range, similar measure descriptions were used that were visited onsite to determine the average wattage.

Self-report data was collected onsite on the wattage of pre-existing equipment. Pre-existing wattages were estimated by post-retrofit wattage (as pre-retrofit wattages were gathered by post-retrofit measure). Because the onsite data was not all encompassing of every post-retrofit wattage, regression analysis was used to develop a relationship between the pre- and post-retrofit wattages.

It was found that the pre-wattage estimates tended to be somewhat higher on average for the upstream CFLs than the downstream CFLs. Lodging in particular, which was much more prevalent in the downstream CFL population, tended to replace 60-watt incandescents with relatively higher wattage CFLs than the other market segments. This had the affect of giving the downstream CFL population a lower average pre wattage for a given post wattage (e.g., lodging replaced a number of 60-watt incandescents with 23-watt CFLs, which are typically used to replace 75-watt incandescents).

Table G-45 presents the average pre-retrofit wattage estimates by measure for upstream CFLs.

**Table G-45: Upstream CFL Average Pre-Retrofit Wattage by Measure**

<b>CFL Upstream Post-Wattage</b>	<b>Pre-Wattage Values</b>
3 Watt Lamp	14.8
4 Watt Lamp	19.8
5 Watt Lamp	24.7
7 Watt Lamp	34.6
9 Watt Lamp	44.4
11 Watt Lamp	54.3
13 Watt Lamp	57.6
14 Watt Lamp	59.0
15 Watt Lamp	60.3
16 Watt Lamp	61.6
17 Watt Lamp	62.8
18 Watt Lamp	63.9
19 Watt Lamp	64.9
20 Watt Lamp	65.9
22 Watt Lamp	67.7
23 Watt Lamp	68.6
24 Watt Lamp	69.4
25 Watt Lamp	70.2
26 Watt Lamp	71.0
27 Watt Lamp	71.7
28 Watt Lamp	74.4
30 Watt Lamp	79.7
32 Watt Lamp	85.0
33 Watt Lamp	87.6
40 Watt Lamp	106.2
42 Watt Lamp	111.6
68 Watt Lamp	180.6

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Table G-46 presents the average pre-retrofit and post-retrofit wattage estimates by measure for downstream CFLs.

**Table G-46: Downstream CFL Average Pre- and Post-retrofit Wattages by Measure**

IOU	CFL Downstream Measure	Pre-Wattage Values	Post-Wattage Values
PG&E	27W CFL SCREW IN	73.5	27.0
PG&E	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-I	58.5	13.0
PG&E	CFL INT INTEGRAL - 14 WATT - SCREW-IN	59.2	14.3
PG&E	CFL INT INTEGRAL - 15 WATT - SCREW-IN	59.5	15.0
PG&E	CFL INT INTEGRAL - 16 WATT - SCREW-IN	60.0	16.0
PG&E	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW	61.2	19.0
PG&E	CFL INT INTEGRAL - 20 WATT - SCREW-IN	59.2	14.3
PG&E	CFL INT INTEGRAL - 23 WATT - SCREW-IN	62.4	22.5
PG&E	CFL INT INTEGRAL - 40 WATT - SCREW-IN	108.9	40.0
PG&E	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	63.6	21.1
PG&E	INTERIOR CF BULB - 23 WATT 1,400 TO 1,599 LUMENS	62.6	22.9
PG&E	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	62.6	23.0
PG&E	INTERIOR CF BULB - 42 WATT	114.3	42.0
PG&E	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	114.3	42.0
PG&E	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	59.3	15.6
PG&E	SCREW-IN CFL LAMPS - 14 - 26 WATTS	60.9	17.1
PG&E	SCREW-IN CFL LAMPS - >= 27 WATTS	76.1	27.4
PG&E	SCREW-IN CFL LAMPS 5-13 WATTS	46.6	9.0
PG&E	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	59.6	15.2
PG&E	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	60.4	17.3
PG&E	UPSTREAM COMPACT FLUORESCENT	62.8	18.2
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	61.6	20.2
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	59.5	14.9
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	61.3	19.5
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	59.3	14.5
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	57.3	11.0
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	53.2	11.7
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	67.3	21.2
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	62.6	23.0
SCE	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	73.5	27.0
SCE	UPSTREAM COMPACT FLUORESCENT	57.3	15.4
SDG&E	LIGHTING - SCREW IN 14-26 WATT LAMP	59.5	15.0
SDG&E	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	59.5	15.0
SDG&E	LIGHTING - SCREW IN >27 WATT LAMP	71.2	26.1
SDG&E	LIGHTING - SCREW IN >= 27 WATT LAMP	73.3	26.9
SDG&E	LIGHTING-REMOVE 4 FT T-8 (DE-LAMP) - TR1	87.1	32.0
SDG&E	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	60.6	17.7
SDG&E	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	60.2	16.0
SDG&E	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	59.5	15.0
SDG&E	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	62.6	23.0
SDG&E	LIGHTING-SCREW IN >27 WATT LAMP - TR1	73.5	27.0
SDG&E	UPSTREAM COMPACT FLUORESCENT	63.0	17.9

#### **G.7.4 Development of Pre- and Post-Retrofit kW Load Shapes – By Program, ED DEER Market Segment and Measure**

At this stage in the analysis, there are estimates of pre- and post-retrofit percent-on load shapes by program and ED DEER market segment, and pre- and post-retrofit wattages by program and measure. For a given program, the set of wattages by measure can be applied (and multiplied) to the each of the ED DEER market segment level percent-on load shapes for that program, which would result in a series of kW load shapes by ED DEER market segment and measure for each program. Performing this step for each program, for the pre- and post-retrofit wattages and load shapes, results in pre- and post-retrofit kW load shapes by program, ED DEER market segment, and measure.

#### **G.7.5 Development of kW Impact Load Shapes and Unit Energy Savings Values – By Program, ED DEER Market Segment and Measure**

An impact load shape can now be developed for each program, ED DEER market segment and measure by simply subtracting the pre- and post-retrofit kW load shapes. A UES value can be generated for each program, ED DEER market segment and measure by simply summing up the 8760 values. These values will then be applied by program, ED DEER market segment, and measure

Literally thousands of UES values were estimated by program, ED DEER market segment and measure for linear fluorescents, high bay lighting, downstream CFLs and Upstream CFLs. Because the UES analysis was done at such a fine level of segmentation, not all combinations of program, ED DEER market segment, and measure had intermediate wattage and operating hour estimates in order to develop a UES. For linear fluorescent measures, for example, 91% of all possible program and ED DEER market segment combinations were assigned operating hours based on the on-site logger analysis. For those segments that did not have estimates, operating hours were backfilled first using results for the same program-type (direct install versus downstream rebate), and ED DEER market segment across all programs of that type within a given utility. This was possible for 8% of the remaining operating hours. The final 1% of operating hours were backfilled using the average program-type values across all ED DEER market segments and programs of that type across all utilities. This same process was used for high bay lighting and CFLs.

A similar method was used for backfilling the pre and post wattage values. The initial wattage values were mapped by IOU and measure name. For linear fluorescent measures, 76% of the measures were mapped using this method. The pre and post wattages were then aggregated to the IOU and configuration level.

These UES values are presented in detail in Appendix K. Table G-47 provides a sample of these extensive UES by ED DEER market segment for one of the more common downstream CFL measures, for PG&E's most active program.

**Table G-47: CFL Ex Post UES Values for PGE2080 by ED DEER Market Segment for the 14-26 Watt CFL Measure**

<b>ED DEER Building Type</b>	<b>Op Hours</b>	<b>Coinc Peak</b>	<b>Post Watt</b>	<b>Pre Watt</b>	<b>UES kWh</b>	<b>UES kW</b>
ASSEMBLY	770	10%	17	61	34	0.004
AVERAGE	1,409	9%	17	61	62	0.004
EDUCATION-COMMUNITY COLLEGE	770	10%	17	61	34	0.004
EDUCATION-PRIMARY SCHOOL	1,409	9%	17	61	62	0.004
EDUCATION-SECONDARY SCHOOL	2,741	42%	17	61	120	0.018
EDUCATION-UNIVERSITY	2,741	42%	17	61	120	0.018
GROCERY	2,778	24%	17	61	122	0.011
HEALTH/MEDICAL-HOSPITAL	2,294	25%	17	61	101	0.011
HEALTH/MEDICAL-NURSING HOME	1,387	24%	17	61	61	0.011
LODGING	753	6%	17	61	33	0.004
MANUFACTURING-BIO/TECH	2,741	42%	17	61	120	0.004
MANUFACTURING-LIGHT INDUSTRIAL	415	11%	17	61	18	0.004
OFFICE-LARGE	3,119	64%	17	61	137	0.004
OFFICE-SMALL	4,100	25%	17	61	180	0.018
RESTAURANT-FAST-FOOD	1,936	36%	17	61	85	0.018
RESTAURANT-SIT-DOWN	1,371	21%	17	61	60	0.011
RETAIL-MULTISTORY LARGE	689	17%	17	61	30	0.011
RETAIL-SINGLE-STORY LARGE	5,487	86%	17	61	241	0.004
RETAIL-SMALL	2,051	37%	17	61	90	0.004
STORAGE-CONDITIONED	2,287	39%	17	61	100	0.004
STORAGE-UNCONDITIONED	3,114	66%	17	61	137	0.004

# Appendix H

## Billing Analysis

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### H.1 Billing Analysis Methodology and Results

The objective of the billing analysis is to determine the first-year energy impacts for fluorescent linear lighting measures installed under the 2006-2008 IOU programs.<sup>1</sup> The billing analysis uses a statistically adjusted engineering (SAE) model to estimate the gross realization rate. The analysis also develops realization rates for other lighting and other electricity savings measures installed under the energy efficiency programs, though this was not the focus of the analysis. The billing analysis is specified using customer billing data, independent variables gathered during the telephone survey, customer-tracking data that indicate the timing of the measure installation, and energy impacts associated with measures installed under the programs. The models are estimated separately by delivery mechanism, direct install versus prescriptive rebate programs and by utility.

The results of the billing regression analysis are estimated as ratios, termed “SAE coefficients,” of realized impacts to the engineering energy impact estimates. These realized impacts represent the fraction of the engineering estimate actually observed or detected in the statistical analysis of the billing data. The SAE coefficients are relative to the lighting logger and verification adjustments for T8s, T5s, delamping, and CFLs and ex ante impact estimates for other lighting and non-lighting measures.

As discussed in detail below, the billing regression analysis was conducted on a sample of telephone surveyed participants. Because many participants simultaneously installed multiple measures, the lighting measures were grouped into bundles representing linear lighting measures, non-linear lighting measures, and all other non-lighting measures.

The model is dependent on extensive billing data, the evaluation team requested billing that would extend 12 months of prior to the participant installation, and to the degree possible 12 month after the installation of the measure. The first step of the modeling process develops the dependent variable as the participant’s monthly consumption in a given period. The

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<sup>1</sup> Fluorescent linear lighting measures include T8 and T5 lighting, delamping, and T8 and T5 lighting installed in high bay installations.



participant’s monthly consumption in the same period 12 months prior to the dependent variable is an important independent variable. While monthly consumption is largely explained by the site’s monthly consumption 12 months prior, other independent variables, including the engineering estimates of savings during the 12-month period following program participation, help to explain any difference between these two levels of consumption. The estimated coefficient on the engineering estimates of saving are the SAE realization rates.

**H.1.1 Data Sources for the Billing Analysis**

The billing regression analysis uses data from several different data sources: The program tracking databases from PG&E, SCE, and SDG&E, their monthly billing data, telephone survey data, weather data from DTN/Meteorlogix, county level unemployment rates, and engineering adjustments to the utility ex ante savings assumptions. A summary of the data elements used in the regression analysis is presented below.

**Program Tracking Data**

The participant tracking systems for all three utilities contain information about program application, rebate and technical information about installed measures, rebate amounts, installation date, and ex ante energy savings estimates. The billing analysis for direct install and prescriptive rebate programs included the programs listed in Table H-1.

**Table H-1: Utility Programs by Delivery Mechanism Employed in the Billing Analysis**

<b>Utility</b>	<b>Direct Install Program (DI)</b>	<b>Prescriptive Rebate Program (EX)</b>
PG&E	PGE2015, PGE2016, PGE2017, PGE2020, PGE2021, PGE2025, PGE2026, PGE2027, PGE2028, PGE2031, PGE2032, PGE2033, PGE2035, PGE2054, PGE2074, PGE2089	PGE2003, PGE2029, PGE2047, PGE2051, PGE2060, PGE2080
SCE	SCE2511	SCE2517e
SDG&E	SDGE3020, SDGE3039	SDGE3012, SDGE3042

**Billing Data**

The three electric utilities provided billing data for their commercial frames. The meter-level data were aggregated up into site-level consumptions. The billing data had bill read dates for SCE and SDG&E from October 2004 to June 2009 and PG&E provided billing data from January 2004-June 2009

The billing data were reviewed at the meter and the site level. The review identified sites with anomalous billing data at the meter and the site level. Anomalous bills were examined to determine Itron's ability to roll up the meter level bills to the site level.

Another data quality analysis compared annual consumption to annual estimated savings. This made it possible to identify discrepancies between actual consumption and expected savings for each site. Large estimated savings relative to site-level bills may indicate that it was not possible to adequately roll up the meter level bills into a site or that the ex ante savings are too high. For sites with large estimated savings relative to site-level bills, the consumption relative to the site's square footage, or the site energy intensity (EI), was reviewed following the merge of the billing and telephone survey data.

### **Weather Data**

Actual daily heating and cooling degree days were obtained at the start of the project for sixteen weather stations within California. The weather data were associated with consumption based on the monthly read dates found in the billing data. Once the appropriate degree days were identified for each billing month of consumption, they were summed to a monthly value and compared to the previous year's degree days for the month of interest.

### **Telephone Survey Data**

Telephone surveys were undertaken for a sample of participants.<sup>2</sup> The data collected in the telephone survey supply information on energy-related changes at each site for the billing period covered by the billing regression. Site-level changes included changes in equipment, remodeling, changes in employment, and changes in square footage. If a site reported changes, they were queried about the timing of the change.

The telephone survey data were merged with the program tracking, billing, and weather data. The ability to merge the survey data with available billing data limited the size of the population available for analysis. See Table H-3 below for a description of the sample attrition.

### **Unemployment Data**

Monthly county level unemployment data were collected and merged with program tracking, billing and weather data. Changes in the monthly unemployment level will be used in the analysis to control for macro economic changes during the billing period.

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<sup>2</sup> Section 3 describes the telephone surveys and the distribution of respondents.

**Savings Impacts and Engineering Adjustments to Savings**

Prior to the billing analysis, there was an extensive lighting logger analysis. The logger study collecting run times for multiple measures across utility, delivery mechanism, and building types. Using these data, in combination with an extensive review of the pre wattage assumptions and the post wattages found on site, the team calculated an engineering value of ex post energy savings by tracking data measure name, utility, delivery mechanism, and building types. The engineering ex post energy savings for the linear lighting measures and CFLs, adjusted for the on-site verification rates, are the savings impacts used in the billing analysis.<sup>3</sup> For all other rebated electric energy efficiency measure, the tracking data ex ante value of savings was used as the savings impact in the billing analysis.

**Linear Lighting**

For the linear fluorescent lighting measures, the engineering realization rate was found to vary substantial by delivery method. Table H-2 illustrates the engineering realization rate by delivery mechanism. The direct install programs were found to have significantly lower engineering ex post savings than ex ante assumptions while the prescriptive programs ex ante assumption more closely reflected what was found onsite.

**Table H-2: Engineering Realization Rates to Ex Ante Savings Assumptions for Linear Lighting Measures<sup>4</sup>**

Measure	Direct Install	Prescriptive	All Programs
Linear, Non-High bay	47%	106%	65%
Linear, High bay	65%	98%	94%
<b>Total</b>	<b>48%</b>	<b>102%</b>	<b>71%</b>

**H.1.2 Data Aggregation**

The billing analysis was undertaken at the site level, necessitating an aggregation of the account level billing data to a unique site level. To form unique commercial site levels, all account-level billing data had to be aggregated to the site level. Information on the billing customer’s name, the site’s street address, ZIP code, and market sector were all used to aggregate billing data to the site level. The site development process attempts to maintain an

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<sup>3</sup> To determine the final realization rate, the billing, verification, and engineering analysis realization rates will need to be applied.

<sup>4</sup> The adjusted unit energy savings values used in the billing analysis are disaggregated by measure name, utility, program delivery mechanism and building type. The numbers presented in this table are aggregated go facilitate presentation.

accurate count of site-level meters as sites expand, contract, or experience meter and account change outs.

Once the billing data were aggregated to the site level, the billing data, tracking data, and the phone survey data were merged. During this aggregation process, care was taken to ensure that the savings impacts for the multiple measures across multiple periods were aggregated to the site level. The aggregation process maintains the ability to analyze the impacts by measure and time period or to aggregate the impacts across end uses.

The merging of the survey, tracking, and billing data led to the development of the analysis database by Site ID. Table H-3 lists the number of sites by utility and program delivery mechanism associated with the progressive merges of the three data sources. Sites included as participant telephone survey sites installed linear lighting measures including delamping, T8 or T5 fixture retrofit or bulbs, and high bay linear fixtures under either the 2006-2008 utility prescriptive or direct install programs.<sup>5</sup> A site could install measures under both the prescriptive and the direct install programs, but each site is only counted once in the table below. The site is counted as either direct install or prescriptive depending on the survey population for which they were pulled.<sup>6</sup> The telephone participant survey for sites installing linear lighting measures resulted in 2,180 direct install completions and 712 prescriptive survey completions. SDG&E accounted for 47% of the direct install telephone survey completions while 63% of the prescriptive telephone survey completions were for PG&E sites.

**Table H-3: Merged Survey, Tracking, and Billing Data by Utility**

Utility	Participant Telephone Survey Data		Corporate Sites with EEGA Information		Survey + Corporate + Tracking Data*		Survey + Corporate + Tracking + Billing Data	
	DI	EX	DI	EX	DI	EX	DI	EX
PG&E	199	448	8	86	184	514	173	457
SCE	949	216	20	0	958	191	891	180
SDG&E	1,032	48	58	0	1,081	47	1,022	45
<b>Total</b>	<b>2,180</b>	<b>712</b>	<b>86</b>	<b>86</b>	<b>2,233</b>	<b>752</b>	<b>2,086</b>	<b>682</b>

\* Sites included as participant survey sites with tracking data were surveyed sites that could be merged to their tracking data. Changes in business ownership or the failure of a business are possible explanations for the inability to merge participant telephone survey data with tracking data.

<sup>5</sup> Many of the sites also installed other lighting and/or other energy efficiency measures. The telephone survey questioned participant sites about the other rebated measures installed at the site.

<sup>6</sup> Counting sites in the program for which there were surveys facilitated the development and implementation of the site weights used in the analysis.

The final column of Table H-3 lists the number of sites with participant survey, tracking, and billing data. When an SAE billing analysis is used to model the change in consumption attributable to the installation of program measures, it is necessary to have billing data for a period prior to measure installation and as much post-installation data as possible. Billing data were made available from January 2004 to June 2009 from PG&E and from October 2004 to June 2009 for SCE and SDG&E. It was not always possible to match the survey and tracking data to a site in the billing data. For approximately 6% of the PG&E, 5.5% SDG&E, and 7% SCE direct install sites and 6% of the SCE and 4% of the SDG&E and 11% of PG&E prescriptive sites, it was not possible to merge the site and tracking database with a billing record that obviously belonged with these data. As meters are replaced, it is possible that the meter or account number included in the tracking data is no longer in the utility commercial frame. Business openings and closings can also limit the ability to merge the survey and tracking data.

### ***H.1.3 Data Censoring***

Multiple types of screens were applied to the dataset prior to undertaking the billing analysis. The screens applied to the dataset began with a careful review of sites where the measure savings exceeded 40% of the site's 12 month lagged usage.<sup>7</sup> For all sites with savings in excess of 40% of lagged usage, the sites usage, lagged usage, savings by measures, and square footage were output.

For all sites with savings in excess of 40% of lagged usage, the site's energy usage per square foot, or EI, was calculated. The site EIs were compared to EI levels found in the CEUS database by building type and utility. If a site's EI was abnormally low, it is likely that the site aggregation process did not successfully aggregate all of the site's bills. The first screen applied to the data eliminated sites for low EI and insufficient billing data. Table H-4 lists the distribution of censored sites. The majority of sites deleted for insufficient billing data were direct install sites with 247, while only 46 prescriptive sites were removed for low EIs. Given the smaller size of direct install sites, it is probable that a lighting retrofit could affect the electric usage on all of the site's meters, increasing the importance of collecting the usage from all of the site's meters. The large number of direct install sites screened for low EI provides some indication that the site aggregation process may have been incomplete for smaller sites.<sup>8</sup>

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<sup>7</sup> The use of 12 month lagged usage ensures that the comparison between savings and consumptions is on consumption not impacted by the energy efficiency measure installation.

<sup>8</sup> Smaller sites are more likely to use the business owner's name on the account. Businesses owned by multiple individuals can have many meters under different names with slightly different addresses

The second screen looked at the sites with savings in excess of 50% of lagged usage that did not provide square footage information. While it is not possible to determine if the site's EI was low, it is clear that the site's savings is excessive. These sites were also deleted to insure that all of the sites included in the billing analysis had properly aggregated billing data.<sup>9</sup> The results presented in Table H-4 indicate that 77 direct install and 28 prescriptive sites were removed due to missing EI.

The third screen looked at the sites with savings in excess of 40% of lagged usage whose savings from non-linear measures exceeded 40% of lagged usage. The billing analysis was designed to determine the savings from linear lighting measures. If the claimed savings from other measures is excessive, our ability to determine the savings from the linear lighting measures is limited. Sites where the savings from non-linear measures exceeded 40% of usage were deleted. The majority of these sites were deleted due excessive savings from CFLs. Table H-4 illustrates that 63 direct install and 43 prescriptive sites were eliminated from the billing analysis data due to excessive savings from non-linear measures.

Sites were also removed from the billing analysis dataset if their annual usage exceeded 3,000,000 kWh and their savings was less than 5% of their lagged yearly usage. The usage at these sites is substantially higher than the average site level usage. Including these sites in the dataset will lead to issues with heteroskedasticity and the sites are likely to have excessive leverage in the analysis due to their size. In addition, the typical monthly changes in their usage often exceed the monthly savings attributed to energy efficiency measures, making it difficult to distinguish the energy efficiency savings from the normal site variability in usage. The results presented in Table H-4 indicate that only one direct install site was deleted for excessive usage while 40 prescriptive sites were removed.

Lastly, sites were removed from the analysis dataset if their bill exhibited changes in usage that likely reflected a business startup, a business termination, or other unusual changes in the stream of billing data not attributable to the program. In total, 74 sites were eliminated due to unusual billing data. The final billing analysis data set includes 1,589 direct install sites and 500 prescriptive sites.

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confounding attempts to aggregate sites. The site aggregation process at SDG&E was made more difficult due to missing customer information data for a substantial share of the billing data.

<sup>9</sup> Eliminating sites with excessive savings and no direct install may bias the realization rate up. Alternatively, if these sites were allowed to remain in the billing analysis, and we do not have all of their billing data, the failure to eliminate the sites would bias the realization rate down. Given the difficulty inherent in site billing analysis aggregation, the team chose to eliminate these sites.

**Table H-4: Distribution of Censored Sites by Utility and Delivery Mechanism**

Utility	Sites with Low EI		Other Excessive Savings		Site with Missing EI		Yearly Usage > 3M kWh		Other Unusual Bills		Final Billing Analysis Data	
	DI	EX	DI	EX	DI	EX	DI	EX	DI	EX	DI	EX
PG&E	28	32	13	41	5	23	0	30	9	26	118	302
SCE	90	6	28	2	23	5	0	10	14	2	736	155
SDG&E	193	1	22	0	49	0	1	0	22	1	735	43
<b>Total</b>	<b>311</b>	<b>39</b>	<b>63</b>	<b>43</b>	<b>77</b>	<b>28</b>	<b>1</b>	<b>40</b>	<b>45</b>	<b>29</b>	<b>1589</b>	<b>500</b>

## H.2 Model Specification

The model is specified as a statistically adjusted engineering billing analysis (SAE). The SAE model uses the engineering prior on measure level savings as an independent variable to help estimate current usage levels. The engineering adjustments to the utility ex ante savings have been incorporated into the billing analysis savings variables for linear lighting measures and CFLs. The billing analysis helps to determine if the engineering ex post savings values need to be further adjusted due to savings realized in the site level bills.

### H.2.1 Utility, Program, and Measure Groupings

Given the need to estimate realization rates by utility, and the significant differences in the lighting logger realization rates by delivery mechanism, the billing regression analysis estimates separate models by IOU and program delivery mechanism.<sup>10</sup> The team estimated an SAE billing model for PG&E prescriptive and direct install, for SCE prescriptive and direct install, and for SDG&E direct install. Given the small sample size of SDG&E prescriptive sites, it was not possible to estimate a separate model of SDG&E prescriptive sites. The separate models will provide the team with regression ex post realization rates for linear savings measures by utility and delivery mechanism.

The team attempted to design similar models for each of the five analysis groups with only slight differences in the savings measures attributable to the measures rebated by utility and delivery mechanism. The savings variables included in the model for each utility was highly dependent on the types of measures the utilities installed. For example, within the direct install delivery method, only SDG&E installed high bay linear measures (see Table H-5

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<sup>10</sup> Sites in the utility prescriptive rebate program also tend to have a higher level of consumption than sites in the direct install programs. Grouping sites by direct install and prescriptive helps to limit heteroskedasticity and excessive influence by larger sites.

below). Therefore, among direct install models, only the SDG&E model will include a high bay savings within the linear savings measure.

Table H-5 lists common measure groups installed in the utility prescriptive and direct install programs. The IOU program names across the top of the table represent the billing analysis group membership for the site. A site, however, may have participated in both prescriptive and direct install programs. For example, within the PG&E prescriptive sample 10 sites installed CFLs through a PG&E direct install program. A delivery designation for a site was determined by the telephone sample the site was surveyed within. Examination of the measure installed and the total number of sites in each sample illustrates the dominance of the T8/T5 measure in this analysis. Of the 118 sites in the PG&E direct install sample, 117 sites installed a T8/T5 measure, all of the SCE direct install sites installed a T8/T5 measure, and 123 of 155 SCE prescriptive sites installed T8/T5 measures.

**Table H-5: Measures Installed by Utility and Delivery Mechanism**

Measure	PG&E DI	PG&E EX	SCE DI	SCE EX	SDG&E DI	SDG&E EX
<b>Direct Install Lighting (DI)</b>						
CFL	88	10	567	1	112	0
T8/T5	117	13	736	2	718	0
Delamping	40	8	16	0	427	0
Exit Sign	9	3	89	0	64	0
High Bay	0	0	0	0	65	0
Occupancy Sensor	2	3	0	0	141	0
Other Lighting Control	0	0	0	0	2	0
Other Lighting	28	7	0	0	3	0
<b>Prescriptive Rebate Lighting (EX)</b>						
CFL	0	35	0	17	0	2
T8/T5	1	218	0	123	1	31
Delamping	0	78	0	31	0	21
Exit Sign	0	45	2	21	1	7
High Bay	0	138	0	47	0	27
Occupancy Sensor	0	57	0	33	1	19
Other Lighting Control	2	6	0	1	0	1
Other Lighting	0	25	0	8	1	4
Number of Sites	118	302	736	155	735	43

### **H.2.2 Model Structure**

The approach used to estimate realized savings for linear lighting is a traditional monthly SAE framework. The model structure explains the monthly energy usage as a function of



usage 12 months prior, changes in weather, the lighting logger and verification analysis ex post savings associated with the installation of rebated linear lighting measures, the ex post lighting logger and verification analysis savings associated with the installation of CFLs, and the ex ante savings associated with the installation of other rebated lighting and non-lighting measures, the installation of measures outside a utility program, and other changes at the site. The model was estimated by utility and program deliver mechanism using the population of participants with usable billing, tracking, and survey data.

**Model Specification**

The linear lighting model specification is generally written as:

$$\begin{aligned}
 kWh_{it} = & \beta_0 + \beta_1 kWh_{it-12} + \beta_2 kWh_{it-12} \times \Delta HDD_{it} + \beta_3 kWh_{it-12} \times \Delta CDD_{it} + \beta_4 LinearSav_{it} \\
 & + \beta_5 NonLinearSav_{it} + \beta_6 OtherSav_{it} + \beta_7 kWh_{it-12} \times \Delta Unemployment_{it} \\
 & + \beta_8 kWh_{it-12} \times \Delta BuildingIncrease_{it} + \beta_9 kWh_{it-12} \times \Delta BuildingDecrease_{it} \\
 & + \beta_{10} kWh_{it-12} \times NPInstallInc_{it} + \beta_{11} kWh_{it-12} \times NPInstallDec_{it} \\
 & + \beta_{11} kWh_{it-12} \times NPInstallNoc_{it} + \beta_{12} kWh_{it-12} \times NPInstallOther_{it} + \varepsilon_{it}
 \end{aligned}$$

where the following definitions apply:

- $kWh_{it}$  = The monthly electricity consumption for site *i* in month *t*
- $kWh_{it-12}$  = monthly electricity consumption for site *i* in month *t-12*
- $kWh_{it-12} * \Delta HDD_{it}$  = change in heating degree days from previous year's month for site *i* and month *t* in site *i*'s climate zone (i.e.,  $HDD_{it} - HDD_{it-12}$ ) interacted with the sites electricity consumption for month *t-12*
- $kWh_{it-12} * \Delta CDD_{it}$  = change in cooling degree days from previous year's month for site *i* and month *t* in site *i*'s climate zone (i.e.,  $CDD_{it} - CDD_{it-12}$ ) interacted with the sites electricity consumption for month *t-12*
- $LinearSav_{it}$  = an engineering ex post estimate of the monthly lighting savings at site *i* in month *t* due to the installation of T8s, T5s, and delamping
- $NonLinearSav_{it}$  = an estimate of the monthly lighting savings at site *i* in month *t* due to the installation of CFLs and other non-linear measures. The savings estimate is adjusted due to the lighting logger study for CFLs and the ex ante value for other lighting measures.

- $OthSav_{it}$  = an ex ante estimate of monthly savings for sites that installed other rebated electric measures
- $kWh_{it-12} * \Delta Unemploy_{it}$  = change in unemployment rate from the previous year's month for site  $i$  and month  $t$  in site  $i$ 's county interacted with the sites electricity consumption for month  $t-12$
- $kWh_{it-12} * \Delta BuildingInc_{it}$  = a binary indicator for the increase in building square footage or the number of employees from the previous year's month for site  $i$  and month  $t$  in interacted with the sites electricity consumption for month  $t-12$
- $kWh_{it-12} * \Delta Buildingdec_{it}$  = a binary indicator for the decrease in building square footage or the number of employees from the previous year's month for site  $i$  and month  $t$  in interacted with the sites electricity consumption for month  $t-12$
- $kWh_{it-12} * NPInstalInc_{it}$  = a binary indicator for the installation of electric measures outside a utility program that are likely to increase usage from the previous year's month for site  $i$  and month  $t$  in interacted with the sites electricity consumption for month  $t-12$
- $kWh_{it-12} * NPInstalDec_{it}$  = a binary indicator for the installation of electric measures outside a utility program that are likely to decrease usage from the previous year's month for site  $i$  and month  $t$  in interacted with the sites electricity consumption for month  $t-12$
- $kWh_{it-12} * NPInstalNoc_{it}$  = a binary indicator for the installation of electric measures outside a utility program that are not likely to change usage from the previous year's month for site  $i$  and month  $t$  in interacted with the sites electricity consumption for month  $t-12$
- $kWh_{it-12} * NPInstalOther_{it}$  = a binary indicator for the installation of other electric measures outside a utility program that may change usage from the previous year's month for site  $i$  and month  $t$  in interacted with the sites electricity consumption for month  $t-12$

Each coefficient in the model shows the impact on the change in consumption given a one-unit change in the explanatory variable that it describes. The model is designed to control for a variety of lighting and non-lighting program refunded measures installed at the site. The model is also intended to control for non-program changes at the site. At a given site, both

program and non-program measures could be installed over multiple periods. The model is designed to control for these installations for the 12-month period following installation.

The influence of changes in weather is also captured in the model through the inclusion of variables reflecting changes in heating and cooling degree days. The weather changes are interacted with the lagged electricity consumption at the site. The estimated coefficient on the weather terms is interpreted as the percent change in electricity consumption from a one-unit change in heating or cooling degree days.

The influence of changes in square footage, the number of employees, or measures installed outside a utility program is controlled for within the model specification. These variables are binary variables taking the value of one for the 12-month period following the change and a value of zero for all other periods.<sup>11</sup> The interaction of the change in equipment variable with the site-level lagged consumption allows the impact of the change in equipment to differ depending on the size of the site as measured by the site's lagged consumption.

The model specification was first analyzed using ordinary least squares (OLS). The residuals from the model were analyzed for the presence of non-spherical disturbances and both heteroskedasticity and autocorrelation were detected in the model errors. To control for non-spherical disturbances, generalized least squares (GLS) was used.

### ***H.2.3 Model Estimates***

This section presents the results from the model estimation. The consumption in month  $t$  was used as the dependent variable in the SAE model. The consumption in month  $t-12$  and the engineering ex post estimates of linear lighting savings, the ex ante estimates of savings from non-linear measures, and additional change variables were used to explain the site consumption.

Table H-6 lists the coefficient estimates for the SAE model for PG&E and SCE prescriptive rebate programs. No model was estimated for prescriptive programs in SDG&E due to the small number of sites.

### ***Prescriptive Lighting Realization Rates***

The draft realization rates for PG&E prescriptive linear lighting measures were statistically significant at a 99% confidence interval. Sites that installed linear lighting measures were

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<sup>11</sup> Information on the site level changes in square footage, employment, and the installation of non-program measures was obtained through the telephone survey. The timing of these changes was also obtained from the phone survey.

found to have a realization rate of approximately 113% of the engineering ex post savings estimates. The 90% confidence interval on the PG&E linear lighting realization rate includes a realization rate of 100%, supporting the adjustments made following for the lighting logger, pre-post wattage, and the verification analyses.

Three other rebated measure combinations were included as independent variables in the PG&E prescriptive model; non-linear lighting (CFLs and other lighting), other high efficiency measures installed under the prescriptive program, and other high efficiency measures installed under the direct install program. Within the PG&E prescriptive model, the estimated realization rates for non-linear lighting measures and other measures installed under the prescriptive programs are not statistically significant. The realization rate for measures installed under PG&E direct install programs was statistically significant and 200% of the ex ante values. The savings from the direct install measures in prescriptive sites, however, represent very few measures installed at a small number of sites (see Table H-5) and the savings for most of these measures have been adjusted downward due to the lighting logger study. The lighting logger study made larger reductions in unit energy savings to measures installed through the direct install program. To the extent that these direct install adjustments overstate the appropriate adjustment for measures installed in a prescriptive site, it is not surprising that the realization rate for these few measures installed through a Direct Install program exceed 100%.<sup>12</sup>

The draft realization rates for SCE prescriptive linear lighting measures were statistically significant at a 99% confidence interval. The linear realization rates of approximately 100% of the engineering ex post savings estimates lends substantial support to the lighting logger, pre-post wattage, and verification analyses that proceeded the billing analysis.

The model also included savings terms for non-linear lighting measures, other energy efficiency measures installed under the prescriptive programs, and measures installed under direct install programs. The estimated realization rate for other non-lighting measures was not statistically significant. Only two SCE prescriptive sites installed measures within the direct install program. Therefore, while the other direct install coefficient is statistically significant and positive, extreme care should be taken when interpreting the results.

The PG&E and SCE prescriptive billing analysis models also include independent variables to control for non-program changes at the site. These variables control for confounding changes at the site that, if uncontrolled, could influence or confound the measure level

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<sup>12</sup> There are very few sites installing measures through the PG&E direct install programs in the PG&E prescriptive model. Given the few number of sites, the direct install realization rate in the PG&E prescriptive model should not carry excessive weight or importance..

realization rates. In the telephone survey, participants were asked about changes in square footage and the number of employees and the timing of these changes. Using the responses to these questions, the team developed binary variables indicating an increase in square footage and/or employees and a similar decrease term. Telephone survey respondents were also questioned about changes in measures at the sites that were not rebated by the program. Respondents who had made non-program measure changes were also asked about the efficiency of the non-program measure relative to the measure it replaced. Using the responses to these questions, the team developed binary variables indicating a non-program change that was likely to increase, decrease, or have no change in electricity consumption. The non-program variables also help to control for confounding changes at the site.

Increases in square footage or employees led to a statistically significant increase in usage within the PG&E and SCE prescriptive models. Decreases in square footage or employees led to a statistically significant decrease in usage within the SCE prescriptive model and an insignificant change in usage within the PG&E prescriptive models. Within the SCE prescriptive model, non-program retrofits in measures tended to lead to an increase in usage regardless of the respondents description of the measures removed and the new measures installed. Within the PG&E prescriptive model, the non-program retrofits led to an increase in usage when the respondent described the measures as likely to increase usage and the measures likely to decrease or have no change in usage led to decreases in usage that were marginally significant. Models were estimated using a single independent variable to estimate non-program measure changes, these models had a similar performance to the model described in this section.

**Table H-6: Monthly SAE Model for PG&E and SCE Prescriptive Rebate Programs**

<b>Regressor</b>	<b>PG&amp;E EX Coefficient</b>	<b>PG&amp;E EX T-Statistic</b>	<b>SCE EX Coefficient</b>	<b>SCE EX T-Statistic</b>
Constant	0.1784	3.71	0.2111	6.75
12 month Lagged Consumption	0.9966	241.44	1.0048	321.36
12 month Lagged Consumption * Change in Cooling Degree Days	0.0003	4.20	0.0000	-0.33
12 month Lagged Consumption * Change in Heating Degree Days	0.0000	0.50	0.0000	-0.90
12 month Lagged Consumption * Change in Unemployment	-0.0099	-3.57	-0.0154	-13.60
12 month Lagged Consumption * Corporate Site Engineering Ex Post Linear Savings Estimate	0.0102	0.26		
Non-Linear Savings Estimate	-1.1340	-5.81	-0.9902	-65.41
Ex Ante Estimates of Savings from Other Measures Installed within an EX Program	-0.2188	-0.36	0.0658	0.40
Ex Ante Estimate of Savings from Other Measures Installed within a Direct Install Program	-0.0711	-0.23	-0.4460	-2.68
12 month Lagged Consumption * Remodel	-2.0140	-2.07	1.5796	33.00
12 month Lagged Consumption * Change in Non-Program Measures Likely to Increase Usage	0.1685	0.87	0.0071	0.65
12 month Lagged Consumption * Change in Non-Program Measures Likely to Decrease Usage	0.2847	7.44	0.0482	3.91
12 month Lagged Consumption * Change in Non-Program Measures Likely to Cause no Change in Usage	-0.0310	-1.53	0.0473	2.70
12 month Lagged Consumption * Change in Non-Program Measures, no Efficiency Information	-0.0726	-1.70	0.0727	3.35
12 month Lagged Consumption * Change in Square Footage or Employees Likely to Increase Usage	0.1140	6.98	-0.1265	-8.48
12 month Lagged Consumption * Change in Square Footage or Employees Likely to Increase Usage	0.1044	2.33	0.0365	6.22
12 month Lagged Consumption * Change in Square Footage or Employees Likely to Increase Usage	0.1624	0.87	-0.0200	-5.16
Adjusted R Squared	0.9035		0.9936	

Table H-7 lists the draft coefficient estimates for the PG&E, SDG&E, and SCE direct install billing analysis models. The estimated realization rates for linear lighting measures installed within the utility direct install programs was found to be statistically insignificant or substantially less than the 100% realization rate found in the prescriptive billing analysis models. The realization rate for linear measures installed within PG&E’s direct install was statistically insignificant, SDG&E’s linear realization rate was only 15% of the lighting logger adjusted value, while SCE’s linear realization rate was 39% of the lighting logger

adjusted value. In stark contrast, the realization rate for non-linear lighting measures was 115% for SCE and 125% for PG&E.<sup>13</sup>

The team spent considerable time reviewing the prescriptive and direct install data sets and estimating alternative models attempting to determine possible explanations for the 100% realization rates in the prescriptive model and the substantially lower realization rate within the direct install models. While it was clear from this research that the site's usage, which is considerably larger for prescriptive sites than direct install sites, has a substantial influence on the estimated realization rate, it was not clear why larger sites have a high realization rate than smaller sites.

The lighting logger and pre-post wattage analyses also found that prescriptive sites have a high realization rate than direct install sites. The lighting logger, pre-post wattage, and verification adjustments were incorporated into the energy savings assumptions prior to the estimation of the prescriptive and direct install billing analysis models. The logger realization rates were developed by program implementation style and utility. The logger analysis incorporated more sites and disaggregated the analysis into more building types than has previously been undertaken. The billing analysis on the prescriptive sites was supportive of the adjustments associated with the lighting logger, pre-post wattage, and verification analyses. The team was extremely surprised when the billing analysis on direct install sites did not lend support to the lighting logger, pre-post, and verification analysis.

The direct install sites are, on average, sites with substantially lower energy usage, lower claimed savings, generally lower claims relative to usage, and more sites with multiple measures installed. The direct install sites were also, on average, newer businesses than the prescriptive sites. The lighting logger analysis made larger reductions to the energy savings for direct install sites than prescriptive sites. The direct install sites may be more vulnerable to energy changes associated with changes in both macro and micro economic conditions. While the model specifications have included independent variables designed to control for macro economic conditions, the micro economic fluctuations associated with the smaller and newer direct install sites may be blurring the impact of the linear lighting retrofits. Given the strength of the 100% realization rate for the prescriptive sites, and the substantial reductions in the direct install energy savings due to the logger analysis, the team supports the use of the

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<sup>13</sup> The non-linear lighting realization rate for SDG&E was only 17%. The lower realization rates for SDG&E may be explained in part by the differences in the installation dates provided by each utility. PG&E provided information on application date, verification date, and pay date. SCE provided information on install date, application date, verification date and pay date. SDG&E only provided information on what was labeled installation date. Further discussion with SDG&E on the provided installation date indicated that the variable labeled installation date was typically the paid date. If the installation date and the paid date are separated by a considerable period, the billing analysis will likely find lower realization rates.

lighting logger energy savings for both the prescriptive and the direct install sites. The estimated lower billing analysis realization rate for direct install needs further study. Possible areas of analysis include more complete documentation of the accounts or meters impacted by the retrofit. Failure to adequately account for all meters at a site may have a larger impact on billing analysis for smaller sites. More accurate information on the date of the measure installation may also aid the direct install billing analysis.

**Table H-7: Monthly SAE Model for PG&E, SDG&E, and SCE Direct Install Programs**

<b>Regressor</b>	<b>PG&amp;E DI Coefficient</b>	<b>PG&amp;E DI T-Statistic</b>	<b>SDG&amp;E DI Coefficient</b>	<b>SDG&amp;E DI T-Statistic</b>	<b>SCE DI Coefficient</b>	<b>SCE DI T-Statistic</b>
Constant	0.1762	2.61	0.2450	10.03	0.2848	8.89
12 month Lagged Consumption	0.9924	181.73	0.9821	449.63	0.9876	330.15
12 month Lagged Consumption * Change in Cooling Degree Days	0.0005	7.66	0.0003	15.34	0.0003	14.21
12 month Lagged Consumption * Change in Heating Degree Days	0.0000	-0.16	0.0000	1.64	0.0001	4.78
12 month Lagged Consumption * Change in Unemployment	-0.0134	-5.47	-0.0213	-16.74	-0.0153	-16.66
12 month Lagged Consumption * Corporate Site			0.0290	1.81		
Engineering Ex Post Linear Savings Estimate	-0.0146	-0.16	-0.1511	-11.61	-0.3899	-9.02
Ex Ante Estimate of Savings from Non-Liner Lighting Measures	-1.2532	-2.81	-0.1692	-4.32	-1.1563	-4.84
Ex Ante Estimates of Savings from Other Measures Installed within an DI Program	-1.9444	-1.38	-0.0024	-0.04	0.1014	0.39
Ex Ante Estimate of Savings from Other Measures Installed within a EX Program	-0.6925	-0.79	8.8488	0.57		
12 month Lagged Consumption * Remodel	0.0114	0.22	0.0007	0.09	0.0101	0.90
12 month Lagged Consumption * Change in Non-Program Measures Likely to Increase Usage	0.1242	8.14	-0.0155	-1.01	-0.0296	-1.64
12 month Lagged Consumption * Change in Non-Program Measures Likely to Decrease Usage	-0.0653	-1.12	-0.0298	-4.27	0.0389	2.45
12 month Lagged Consumption * Change in Non-Program Measures Likely to Cause no Change in Usage	-0.0219	-0.32	-0.0002	-0.03	0.0673	8.57
12 month Lagged Consumption * Change in Non-Program Measures, no Efficiency Information	0.2126	3.09	-0.0344	-3.57	0.1123	6.87
12 month Lagged Consumption * Change in Square Footage or Employees Likely to Increase Usage	0.0027	0.09	0.0308	5.15	0.0251	4.53
12 month Lagged Consumption * Change in Square Footage or Employees Likely to Decrease Usage	-0.1294	-19.67	0.0079	2.42	-0.0416	-10.27
Adjusted R Squared	0.9581		0.9722		0.9480	



# ***Appendix I***

## **Nonresidential Upstream CFL Purchase Quantities and Installation and Storage Rates**

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### **I.1 Overview**

This section discusses the methods used to estimate the number of upstream CFLs that were purchased by nonresidential customers and what percentage of those CFLs were installed (defined as in place and operable) and placed in storage.

The primary data sources for estimating the nonresidential CFL purchase quantities was through self report responses on a general nonresidential population survey and an onsite audit of a subset of the telephone survey. A telephone survey of the nonresidential population was conducted which asked customers if they had purchased any CFLs between 2006 and 2008. For those that purchased, customers were asked a battery of questions, including how many lamps were purchased, and if they purchased the lamps from a retailer.

Initial estimates of purchase quantities were made based on the number of lamps purchased through a retailer, weighted up to the population. Customers were segmented by DEER market segment, based on NAICS information from the CIS, and weights were developed based on site counts. Only customers with demand less than 150 kW were surveyed and included in the population weighting.

Initially, samples sizes were based on the proportion of customers (sites) in the under 150kW population within a given market segment. However, as initial estimates of CFL retail purchases were made, the sample sizes were updated to reflect a proportional allocation to the number of CFL retail purchases. Customers that made a CFL purchase (whether through a retailer or not) were recruited for on-site visits. The quotas for on-site visits were set by market segment, proportional to the number of CFL retail purchases in the population. The on-site visits had multiple objectives. Among those objectives were to verify the number of CFL purchases made, determine if the CFLs were likely to have been rebated upstream, determine the number of CFLs that were in place and operable (installed), and determine the number of CFLs place in storage.

Table I-1 presents the number of telephone surveys that were conducted, the number of respondents that had made a CFL purchase, the number that had made a purchase from a retailer, and the number that were visited on-site.

**Table I-1: Phone Survey Respondents**

	<b>PGE&amp;E</b>	<b>SCE</b>	<b>SDG&amp;E</b>	<b>Total</b>
# Phone Surveys Completed	2,434	2,533	3,395	<b>8,362</b>
# CFL Purchasers	615	470	566	<b>1,651</b>
# CFL Retail Purchasers	586	426	521	<b>1,533</b>
# Onsites Surveys Completed	175	187	191	<b>553</b>

As mentioned, initial estimates of the number of nonresidential upstream CFL purchases were made based on the customer's self-reported estimate of the number of lamps that were purchased from a retailer between 2006 and 2008. These values were weighted up to represent the under 150kW population (weights were developed by IOU and market segment and equal to the ratio of the number of sites in the 150kW population for that segment, divided by the number of sites interviewed in that segment).

On-site visits were conducted on a subsample of the interviewed customers that made purchases. The on-site auditors determined the number of CFLs that were actually installed and operable, had burned out or been replaced, were in storage, and were located elsewhere. Auditors gathered the CFL manufacturer and model numbers, which could be compared against a database of lamps that were rebated through the program (unfortunately this could not be done for SDG&E as a full list of rebated manufacturer and model numbers were not available). This lead to a site specific estimate of the number of upstream bulbs (matching a manufacturer and model number) that were purchased, which included lamps that were installed and operable at the site, were at one point installed at the site but had burned out or been replaced, or were in storage at the site. It did not include any lamps that were located outside of that site. Therefore for each site, an estimate of upstream CFL purchases, installed upstream CFLs, and upstream CFLs in storage could be developed.

The results of the on-sites were then used to adjust the self report responses from the telephone survey. From the on-sites, a series of adjustment factors by segment were developed, which was the ratio of the number of CFLs determined to have been purchased upstream from the on-site, divided by the number of CFLs reported to have been purchased at a retailer through the telephone survey. In addition, the on-sites were used to estimate the percentage of upstream purchases that were actually installed (in place and operable), burned out or replaced, and placed in storage. Multiple adjustment factors were developed, by size of reported installation as shown in Table I-2. It was found that the adjustment factors were

correlated most to this parameter, as the smaller reported purchases were more likely to be underestimated through the phone survey, and the larger reported purchases were more likely to be overestimated.

**Table I-2: Adjustment Factor from Phone Survey Reported CFL purchases to Upstream Rebated CFL purchases**

	<b>PG&amp;E</b>	<b>SCE</b>	<b>SDG&amp;E</b>
<20 CFLs Purchased	44%	116%	81%
between 20 and 50 CFLs Purchased	69%	112%	47%
>50 CFLs Purchased	126%	67%	80%
90 largest CFL Purchases*		19%	

The end result of this analysis was an estimate for the under 150kW nonresidential population of the number of upstream CFLs purchased, and the percentage found to be in place and operable and placed in storage. Table I-3 through Table I-6 show the number of Upstream CFLs purchased, installed, burned out, and stored by market segment for each IOU.

**Table I-3: PG&E CFL Purchases by Market Segment**

	<b>Reported CFL Retail Purchases</b>	<b>Adjusted Upstream Purchases</b>	<b>CFLs Installed and Operable</b>	<b>CFLs Burned Out</b>	<b>CFLs in Storage</b>
Agriculture	159,110	91,626	66,534	7,011	18,081
AllCommercial	86,003	43,477	33,420	2,797	7,261
Assembly(Ref:Auditorium)	360,421	227,712	161,235	18,090	48,387
Census	969,914	298,016	259,743	14,855	23,418
Education-CommunityCollege	2,965	1,144	898	95	152
Education-PrimarySchool	62,894	37,981	27,395	2,870	7,716
Education-SecondarySchool	4,238	2,455	1,887	131	437
Education-University	236,469	161,886	111,078	13,895	36,913
Government	87,347	56,216	39,654	4,475	12,087
Grocery	3,107	1,199	941	99	159
Health/Medical-Clinic	131,264	72,696	54,492	4,868	13,336
Health/Medical-Hospital	-	-	-	-	-
Lodging	689,867	464,263	321,405	38,833	104,025
Office-Large(Ref:175,000ft2)	-	-	-	-	-
Office-Small(Ref:1,000ft2)	348,544	197,371	146,187	13,817	37,368
OtherIndustrial	89,425	50,158	37,055	3,600	9,503
Restaurant-FastFood	134,343	84,899	59,893	6,862	18,144
Restaurant-SitDown	516,200	324,713	231,447	25,072	68,193
Retail-SingleStoryLarge(Ref:130,000ft2)	-	-	-	-	-
Retail-Small(Ref:8,000ft2)	454,771	260,190	189,309	19,839	51,042
TCU	-	8,030	6,216	511	1,303
Utilities	16,286	3,966	3,112	329	526
Warehouse	10,276	58,569	42,954	4,040	11,575
<b>Total</b>	<b>4,363,445</b>	<b>2,446,567</b>	<b>1,794,855</b>	<b>182,088</b>	<b>469,623</b>

**Table I-4: SCE CFL Purchases by Market Segment**

	<b>Reported CFL Retail Purchases</b>	<b>Adjusted Upstream Purchases</b>	<b>CFLs Installed and Operable</b>	<b>CFLs Burned Out</b>	<b>CFLs in Storage</b>
Agriculture	91,477	36,534	28,718	3,662	4,155
AllCommercial	58,100	25,168	20,490	2,258	2,420
Assembly(Ref:Auditorium)	399,369	161,001	126,791	17,871	16,338
Census	732,018	224,920	196,035	11,212	17,674
Education-CommunityCollege	16,220	6,481	5,096	649	737
Education-PrimarySchool	37,726	17,032	14,080	1,541	1,411
Education-SecondarySchool	33,229	12,334	9,315	1,638	1,381
Education-University	-	-	-	-	-
Government	19,642	11,878	10,794	611	473
Grocery	7,466	3,613	3,080	191	341
Health/Medical-Clinic	111,827	48,497	39,433	4,780	4,284
Health/Medical-Hospital	2,143	1,037	884	55	98
Lodging	390,795	132,704	95,334	20,058	17,312
Office-Large(Ref:175,000ft2)	-	-	-	-	-
Office-Small(Ref:1,000ft2)	564,276	270,628	229,048	20,845	20,735
OtherIndustrial	98,013	46,258	38,897	3,834	3,527
Restaurant-FastFood	148,911	62,354	49,956	6,465	5,933
Restaurant-SitDown	381,763	153,336	120,498	17,447	15,392
Retail-SingleStoryLarge(Ref:130,000ft2)	-	-	-	-	-
Retail-Small(Ref:8,000ft2)	298,928	132,925	109,499	10,600	12,826
TCU	-	-	-	-	-
Utilities	-	-	-	-	-
Warehouse	130,310	49,721	38,168	5,804	5,749
<b>Total</b>	<b>3,522,212</b>	<b>1,396,420</b>	<b>1,136,114</b>	<b>129,520</b>	<b>130,786</b>

**Table I-5: SDG&E CFL Purchases by Market Segment**

	Reported CFL Retail Purchases	Adjusted Upstream Purchases	CFLs Installed and Operable	CFLs Burned Out	CFLs in Storage
Agriculture	11,147	5,154	4,209	351	594
AllCommercial	34,943	14,392	10,772	1,543	2,077
Assembly(Ref:Auditorium)	66,022	26,110	18,771	3,226	4,113
Census	378,275	116,229	101,302	5,794	9,133
Education-CommunityCollege	1,039	506	444	20	42
Education-PrimarySchool	22,204	8,123	5,400	1,253	1,469
Education-SecondarySchool	4,357	1,492	919	272	302
Education-University	-	-	-	-	-
Government	8,016	2,833	1,832	470	532
Grocery	2,450	1,310	1,137	46	128
Health/Medical-Clinic	44,408	18,505	13,959	1,918	2,628
Health/Medical-Hospital	-	-	-	-	-
Lodging	84,707	29,478	18,435	5,199	5,845
Office-Large(Ref:175,000ft2)	986	573	493	18	62
Office-Small(Ref:1,000ft2)	158,948	63,715	46,400	7,537	9,777
OtherIndustrial	18,912	7,964	6,122	770	1,072
Restaurant-FastFood	35,803	14,485	10,554	1,698	2,234
Restaurant-SitDown	59,276	24,320	18,021	2,691	3,607
Retail-SingleStoryLarge(Ref:130,000ft2)	-	-	-	-	-
Retail-Small(Ref:8,000ft2)	172,572	67,396	47,665	8,739	10,992
TCU	821	478	411	15	52
Utilities	-	-	-	-	-
Warehouse	15,507	5,765	4,004	809	952
<b>Total</b>	<b>1,120,395</b>	<b>408,830</b>	<b>310,850</b>	<b>42,369</b>	<b>55,611</b>

**Table I-6: Summary of CFLs Purchased by IOU**

IOU	Total Bulbs Purchased Retail	Total Rebated Bulbs Purchased Retail	Total Rebated Installed	Install & Operable Rate	Total Rebated in Storage	Storage Rate	Total Rebated Burn Out	Burn Out Rate
PG&E	4,460,339	2,446,567	1,794,855	73%	469,623	19%	182,088	7%
SCE	3,522,212	1,396,420	1,136,114	81%	130,786	9%	129,520	9%
SDG&E	1,120,395	408,830	310,850	76%	55,611	14%	42,369	10%
<b>Total</b>	<b>9,102,946</b>	<b>4,251,817</b>	<b>3,241,820</b>	<b>76%</b>	<b>656,021</b>	<b>15%</b>	<b>353,977</b>	<b>8%</b>

# ***Appendix J***

## **Logger Data Validation Process**

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### **J.1 Overview**

As a part of the CPUC Small Commercial project, over 6,000 lighting loggers were installed and processed. To ensure the quality of the data logged for this project, each logger was reviewed by qualified staff to ensure the loggers were recording information accurately. This section describes the system used to review each of the 6000+ loggers so that each logger received a hands-on look at what it recorded in the field.

Clearly, a tool was needed to facilitate this task. A system named viewLoggers was created to deal with this. This appendix presents an overview of the system, showing the various components and how they were brought together to allow each evaluator, while reviewing the site, to have easy access to all the pertinent information necessary to make an informed decision about the validity of the data logged.

In the following sections, the process and the systems that were used will be discussed. . As part of this, a full description of the viewLoggers tool will be presented.

### **J.2 Checking the Quality of the Data**

Why is it necessary to check the quality of the data? Loggers used to record the change in state of lighting are notoriously prone to problems. Since the loggers use a photo sensor to record changes in lighting levels, the placement of the unit is critical. Any outside lighting source can adversely affect the information recorded. In addition, setting the sensitivity of the logger is an art, not a science. These and many other issues are evaluated during the process of reviewing the data recorded by the loggers.

Before the review process begins, there are several steps taken to account for the multitude of issues that can arise as part of using this type of lighting logger equipment. Procedures are written and surveyors are trained to use the steps laid out in the procedures to introduce redundancies in the data. Primary and backup loggers are installed on different lights on the same circuit to help ensure that no information is lost due to misplacement or failure of the loggers. The surveyors are trained to install and set loggers to help ensure that the logger

captures the changes in the state of the lighting, rather than changes in the ambient lighting due to other light sources or the amount of daylight entering the room.

The persons evaluating the data are trained to recognize these problems and other types of errors in an effort to ensure the data logged actually represents the state changes of the lighting. Once an initial evaluation is performed, the evaluator dispositions the logger with written comments and indicators as to the quality of the data. It is this function that viewLoggers facilitates. As will be shown later, the viewLoggers tool is used to view graphically and numerically the data represented by the logger. viewLoggers also makes available the raw data, survey form, and photos taken at each site. Finally, on-site and phone survey data are also made available to help facilitate the process of determining whether or not the data that were recorded met expectations for the type of area in which the lighting was installed.

### **J.3 The Process**

Behind every lighting logger is an entire sample design/ phone survey/on-site survey process that must be managed and performed. The steps in this process include the following:

- Sample design was created using information collected from the IOUs about the programs in which they were involved.
- Phone surveys were performed to collect preliminary information about the lighting purchased and/or installed at the site.
- Sites were recruited to allow the surveyors to perform the installations.
- A survey was performed on-site to collect information about the actual state of the lighting found and about site characteristics as well.
- Loggers were installed to collect lighting usage data.
- After a period of approximately 8 weeks the sites were revisited to remove the loggers.
- The logger data were downloaded for evaluation and analysis.

The phone survey data is retrieved using a CATI system and hence automatically entered into a machine readable form. The on-site survey data are collected using paper forms and must be data entered. A different system was developed to facilitate the data entry process using Microsoft Access as the data store. The logger data were downloaded into files stored on a file system, then cataloged and stored with their respective site data, along with photos and survey forms to make a complete package of original data to support the analysis process. Only then was it possible to load the data into viewLoggers and start reviewing the actual data logged. As mentioned before, the tool brings together all the information mentioned



above so the evaluator has, at their fingertips, everything needed to understand the site, area, and lighting being logged. The next section goes in to detail about how viewLoggers presents these data for review. The figure below shows examples of logger installations in fixtures on site.

**Figure J-1: Photos of Logger Installations**



#### **J.4 What does viewLoggers do?**

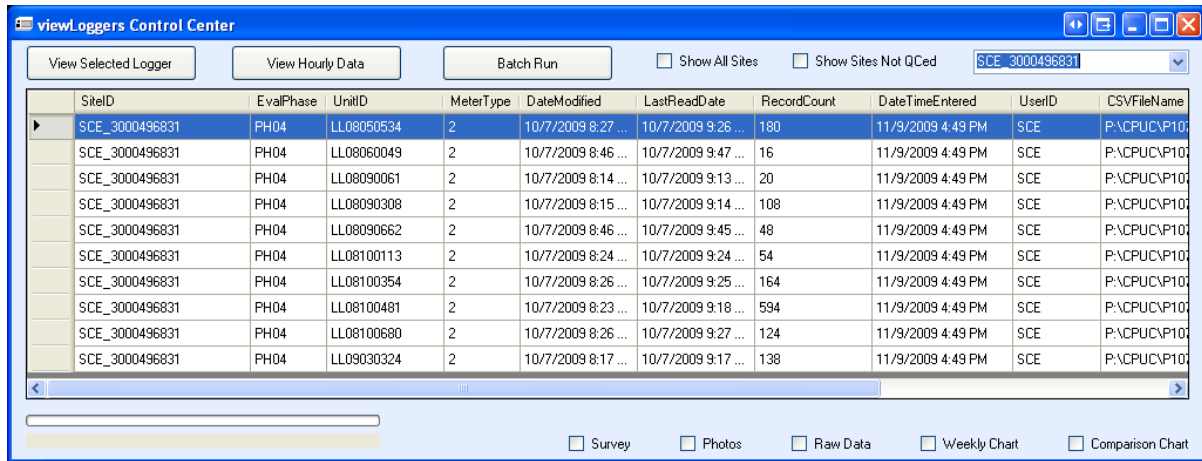
viewLoggers is a program that makes easy access to the logger data files for review and quality control (QC). The software is written using Microsoft's Visual Studio and C#.NET. Some third party tools were also utilized for graphics and the user interface.

In this section we discuss various attributes of the software and show how the tool made the quality control process accessible enough as to allow the review of over 6,000 loggers in such a short period of time.

### **J.4.1 The Control Window**

The Control Window is shown in Figure J-2. This is the opening window and controls all the processes available in the software. A database of files supplies the list of loggers for evaluation. The Control Window allows the evaluator access to all the loggers available for QC at a given site. By selecting a site identifier in the upper right-hand corner, all loggers for which there are data files on the drive are selectable in the grid seen on the dialog.

**Figure J-2: viewLoggers Control Dialog**



The evaluator selects each logger one-by-one and reviews the data by viewing the user selectable resources made available by the software. By clicking the checkboxes in the bottom right corner of the dialog, the user can view the resources to aid in the evaluation process. The checkboxes allow the evaluator to open the following items:

- The on-site survey form as an Adobe PDF file.
- The photos taken at the site by the surveyor.
- The raw transition data collected by the logger.
- A weekly chart showing the percent of lighting on per minute by week.
  - Included with this chart are numeric views to the transition data and the number of seconds ON per minute.
- The same weekly chart with an additional view of the data using a Gantt format of the same data.

Each of the above items will be discussed in the following sections. Also available from this dialog is the ability to view the hourly rollup of these data for the entire period of installation, as well as other bells and whistles for batch processing and viewing the available list of loggers in different ways.

#### ***J.4.2 QC Analysis Dialog***

This dialog is the heart of the logger evaluation process. As seen in Figure J-3 below, this dialog shows all of the pertinent information about the site and information about the area in which the logger was installed. Knowing this information can be very useful when trying to understand the patterns recorded by the logger. The upper part of the screen is populated with data from the on-site survey and shows the following information:

- Site and logger identifiers,
- Backup logger identifier (if installed),
- Business type,
- Total square feet,
- Activity area where logger was installed,
- The schedule number associated with the logger,
- Type of control on the circuit being logged,
- What type of lighting was being logged,
- Status of the logger at time of removal,
- Pertinent dates associated with the installation and removal of the logger, and
- Comments recorded at the time of extraction.

Figure J-3: QC Analysis Dialog

The screenshot shows a 'QC Analysis' dialog box with the following sections:

- Site/Meter Information:** Site ID: SCE\_300, Evaluation Phase: PH04, Logger Number: LL08100354. Backup Logger (if applicable): [Empty].
- Business:** Category: Other Comm, Code: 130, Type: Other Comm, Square Feet: 14000.
- Activity Area Metered:** Code: 30, Type: Lobby (Office Reception/Waiting), Schedule Number: L3, Control Type: S.
- Measure:** Category: CFL, Name: Upstream Compact Fluorescent.
- Meter:**

Installed	Date	By	Extraction Comments
Removed	8/5/2009 12:00:00	RM	47.8% LIGHTS OFF
Logger @ Dwnld	10/6/2009 12:00:0	SW	
Computer @ Dwnld	10/7/2009 9:25:00 AM	Corr. 10/7/2009 9:25:00 AM	
Alt Extraction Date	10/7/2009 9:25:00 AM	Corr. 10/7/2009 9:25:00 AM	

Device OK: Y
- Meter Disposition Information:**
  - Data Quality:** Radio buttons for Good (selected), Bad, Undetermined, New Meter.
  - Other Data Quality Issues:**
    - Flickering:
    - Battery Failed:
    - Lamp Failed:
    - Logger Fell:
    - Sensitivity Issue:
  - Auto Corrected:**
    - For Reset:
    - Time Drift:
    - Advance Time 1 Hr:
  - Don't Correct:**
    - Consistent:
    - Always Off:
  - Type of Operation:**
    - Always On:
    - Random:
    - Consistent:
    - Always Off:
- Comments:** Text area containing "Good data."
- QCed By:** JG
- Set Date Edited:** 10/15/2009 10:41:00
- Buttons:** Save

In the bottom third of the dialog are the evaluation controls used to disposition the logger data. It is here that the logger data are marked as usable or not and why. Controls are made available to indicate if the data are considered good or not, what quality issues cause concern or disqualification of the data, whether or not the clock on the logger needed mechanical adjustment, and an indication of the type of operation observed by the evaluator in the data. All these inputs are used during analysis to include or remove logger data where problems are observed.

At the bottom of the dialog are the controls to indicate who evaluated the data and when. The "QCed By" control may contain multiple initials indicating that a logger has undergone further review before a final decision was made about the quality of the data logged. Once the disposition of the data is performed, the quality of the data is indicated by using the controls and/or writing comments. With the comments written and the flags set, the Save button is pressed and the data are stored to the database. If the logger is marked as Good

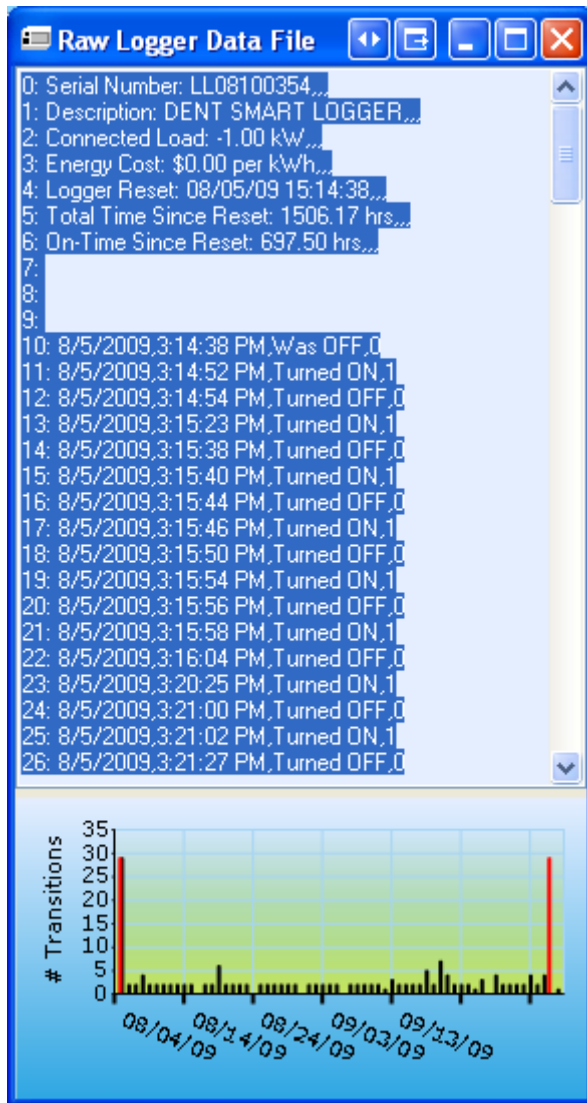
then the hourly data are calculated and stored to the database as well. If the logger is not marked as good then the disposition and comments are saved but the hourly data are not calculated or stored.

### ***J.4.3 Raw Logger Data File Dialog***

In Figure J-4, the contents of the raw logger file is made available to the evaluator. The ability to view these data is invaluable in the process of QCing the logger data. It is here that the actual ON/OFF transitions may be viewed. All the graphical views in the world are no match to seeing the raw data.

The dialog has two parts. The first shows the exact contents of the comma delimited file when the data are stored. Looking at these data can reveal many issues encountered by the logger during the period of installation. The second is a histogram of the number of transitions per day recorded by the logger. The histogram can be very useful for seeing gaps in the data caused by logger failure or for seeing periods of flickering cause by the affects of outside lighting sources on the logger. The two red lines in the histogram indicate the dates of installation and removal. When the hourly data are calculated, only the data between these two dates are stored to the database. It is presumed that the data recorded on or before the date of installation and on or after the date of removal are subject to external affects and not representative of the actual lighting usage at the site.

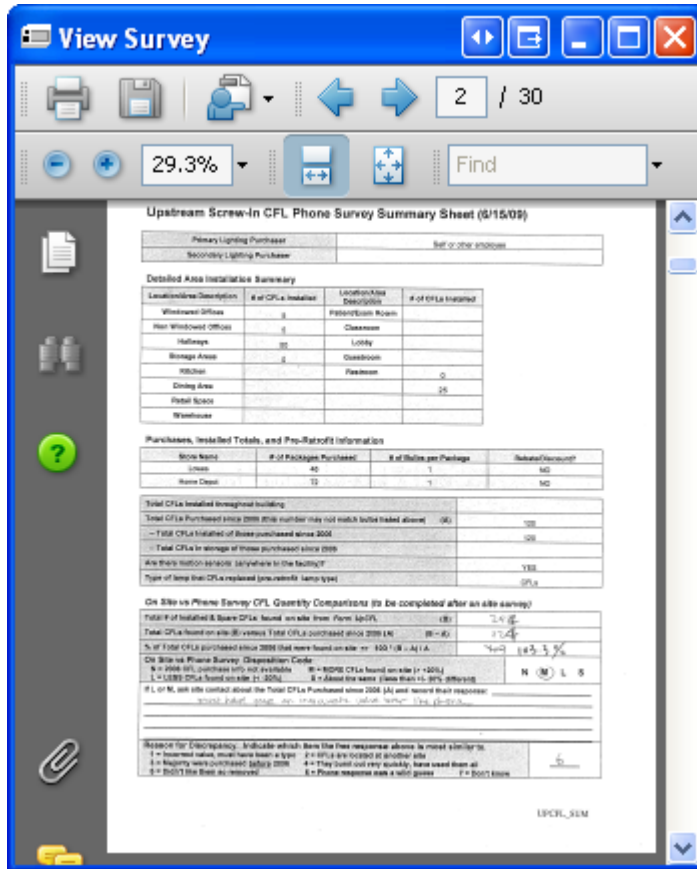
Figure J-4: Raw Logger Data File Dialog



#### J.4.4 View Survey Dialog

The View Survey dialog, shown in Figure J-5, makes available the scanned survey form in Adobe PDF format. This gives the evaluator access to all information collected during the on-site survey. Having this information readily available can prove to be invaluable while evaluating the accuracy of the logger data.

Figure J-5: View Survey Dialog



J.4.5 View Photos Dialog

The View Photos dialog makes available all the photos taken at the site. While Figure J-6 only shows one of the multitudes of pictures taken at the site, the dialog acts much like a browser when opened to full screen—the evaluator can scroll through all the pictures to see where the loggers were placed and under what conditions. When trying to evaluate why a logger experienced frequent transitions, being able to view the area in which the logger was installed is very useful. The pictures can also be expanded to full screen for a closer view, if needed. It should also be mentioned that pictures, like the one in this figure, were very useful when looking at model numbers of CFLs to get wattage, lumens, color rendition, etc. for the lighting analysis.

**Figure J-6: View Photos Dialog**



#### **J.4.6 Graphically Reviewing the Data**

A graph is worth a thousand words with it comes to reviewing logger data. Whilst the tools made available by the logger manufacturers can be quite useful for this purpose, it was decided that a new tool would be even more useful if it brought together all the above mentioned information with a graphical representation of the actual logger data. The dialog, shown in Figure J-7, shows much the same data available in other software. The chart on top shows the *percent on per minute* for an entire week's period of time. This view may be scrolled using the buttons and calendar control in the upper left-hand corner. If the buttons are used the evaluator can scroll through the data week by week to see the changed in the data over time. If a particular day stands out, say in the raw data, the user can use the dropdown to select that day and view a week of data starting on the day in question. In this version of the software, a view of a single day is not available.

In the bottom of the dialog two grids are presented. The bottom left grid shows the transitions recorded by the logger after adjustments have been made by the software. There are four types of adjustments that can be made to the transition data. They are as follows:

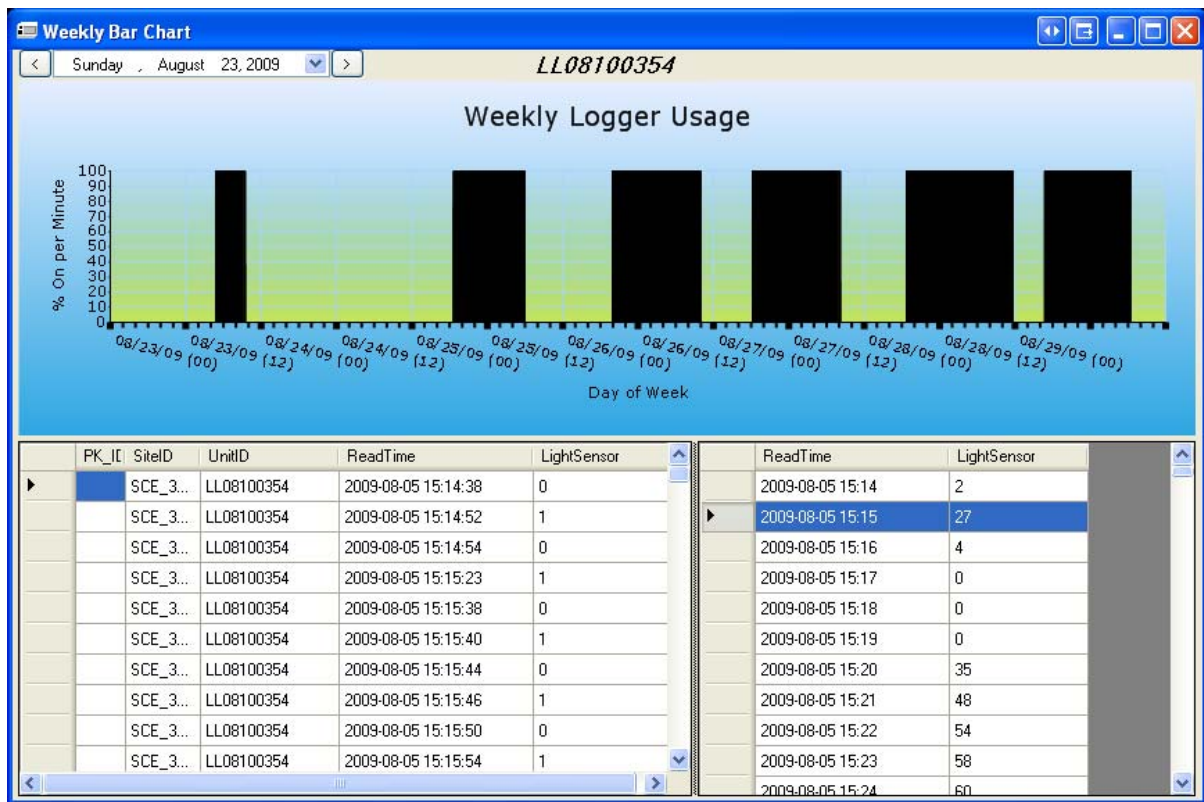
- Time correction due to logger reset,
- Time correction due to malfunctioning logger clock,
- Time correction due to Daylight Saving Time, and
- Conversion from analog to transition.



Discussion of these corrections will follow later in section J.5.1. The evaluator can use the grid with the Raw Data View to view the adjustments in the data and, if errors are observed, report these errors to the programming staff for correction. Here, the evaluator can make sure the right procedure was used to save a logger that might otherwise have been discarded.

The bottom right-hand grid shows the actual minute-by-minute data as it was calculated from the transition data. The grid shows the number of seconds the light was on in each minute of the logger's life. No data are excluded from this view. This allows a complete review of all data recorded by the logger. It shows what happened to the logger from the point it was initialized by the surveyor through to the point it was plugged into the computer and downloaded into the file read by viewLoggers. As mentioned above, only the data between the installation and removal dates are used in the analysis, but being able to view the periods outside this time can be invaluable to uncovering problems with the way the logger recorded the transitions.

**Figure J-7: Weekly Bar Chart**

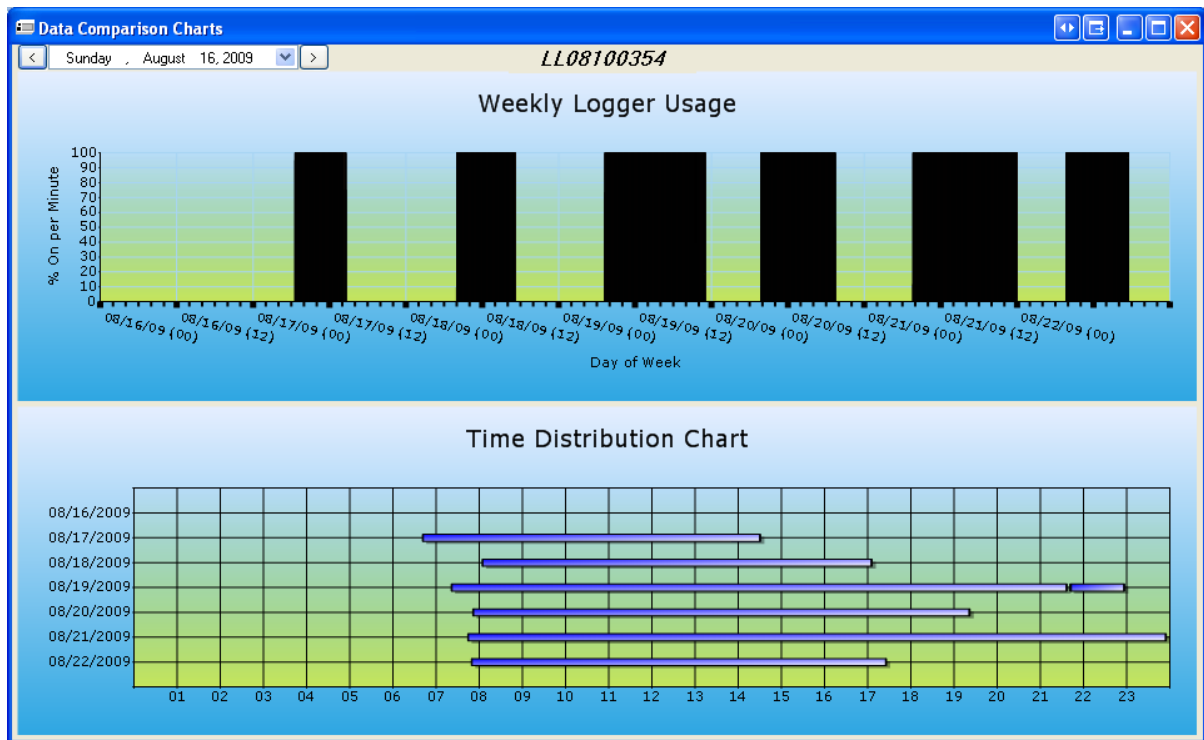


### J.4.7 Data Comparison Charts

The charts shown in Figure J-8 are another tool available in viewLoggers for the purposes of reviewing the logger data. While the top chart is identical to the chart in Figure J-7, the Gantt chart in the bottom of this dialog shows these data in a different and interesting way. The interesting point to this chart is that it accentuates the issue of flickering in the data. In the weekly chart, the problem of flickering caused by external influences is washed out because there is so much data compacted in such a small space (i.e., the weekly chart is a bar chart where every bar represents one minute of data for a week).

The Gantt representation of the data shows all actual starts and stops or transitions in the data. It does this by breaking the line for each transition. Note the break in the line on August 19 at around 21:40. Looking at the bar chart above, this transition is not visible but it can be seen in the Gantt representation of the data. In this case, there certainly is no problem with the data and the logger would not be adversely affected by this transition. In the case where there are multiple transitions like this, they are easily identified by the evaluator, which would give reason to inspect the data and comments further to determine if the transitions are legitimate or a cause for alarm. The Gantt chart and the histogram on the Raw Data View have proven to be quite useful as an effective and efficient way to uncover problems with the logger data.

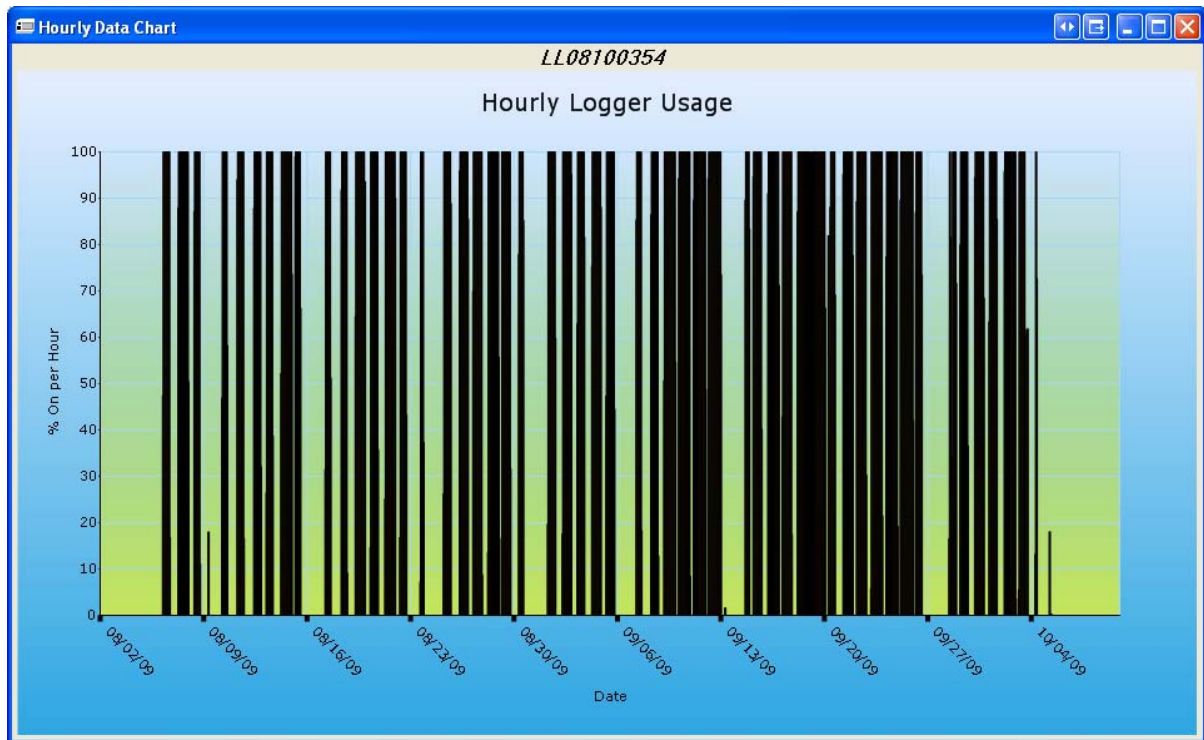
Figure J-8: Data Comparison Charts



### J.4.8 Hourly Data Chart

Finally, the Hourly Data View shows the data as it will be used in the analysis. Figure J-9 shows the data represented by this dialog. As the period for the loggers in the study did not exceed six months, it was decided to show the entire data in this chart. In future revisions to the software, this may be enhanced. As it is now, the evaluator can view graphically the percent ON per hour of the period between the installation date and the removal data. Being able to review the data in this format allows for another way of seeing gaps in data collection as well as how regular or irregular the data are on an hourly basis. Seeing this may cause further review of the data or give the reviewer the necessary confidence that the data are representative of the type of building and area where the data were collected.

Figure J-9: Hourly Data View Dialog



### J.5 Data Issues

As mentioned in section J.4.6, there were a few issues with the data that were caused by outside forces. That is to say, they were not issues with the lighting being logged but with the logger itself. In some cases, the logger data and even the loggers needed to be discarded. Case in point: when a logger was placed too close to a heat source, the logger would melt beyond recognition. This happened in cases where the logger was installed on a CFL but the CFL was replaced during the survey period (by the business owner) with an incandescent bulb. The heat generated from the incandescent bulb was too great for the logger.

Other issues included in the list in section J.4.6 are with the clock or with the way the data are recorded by the logger. This section will go through each issue and discuss the corrections needed to save or convert the data for use in the analysis.

### ***J.5.1 Time Issues***

There were three basic time issues that needed to be addressed. This section will offer a description of these issues and explain how they are corrected by viewLoggers.

#### ***Time Correction Due to Logger Reset***

This correction was implemented whenever a logger was reset to factory defaults by mistake. Each logger is plugged into the computer and set to the clock before being taken out to the site. During the installation process, the loggers are tested and adjusted to capture the changes in lighting state from the lamp being logged. Once the adjustments are made, the installer presses the reset button to clear out the extraneous transitions and then places the logger where it belongs to record lighting usage. If the reset button is pressed for too long the logger resets to factory default.

When this problem was discovered, the evaluation team developed a method to adjust the time/date stamps recorded in the logger file using the time of the computer and the time of the logger at the moment the data were downloaded to the computer. It was found that by using this information, an adjustment could be calculated and applied to each transition to bring the time/date stamps to the present time. With no exceptions, this method was successful in making data available for analysis that would otherwise have been lost.

#### ***Time Correction Due to Malfunctioning Logger Clocks***

This problem was somewhat more problematic. Early on, the team became aware that some loggers had problems with their clocks. The clocks seemed to be cycling either slower or faster than the standard 60 cycles per second. The effect of this was for the logger clocks to either slow down or speed up over time. This seemed like an insurmountable problem until it was discovered that the clocks were changing at predictable rate that was linear in nature. With this knowledge, it was simple to program a correction using the time/date stamps of the logger and the computer at the moment the data were downloaded. The difference in these times was distributed proportionally over time based on the amount of time that had passed since installation. After making this correction, the recorded times were observed to be remarkably accurate. There were approximately 100 loggers that were corrected in this manner. It should be noted that this correction was only applied if the difference between the computer time and the logger time was more than 15 minutes and less than 20 hours. Any difference more than 20 hours was considered not salvageable.

### **Daylight Saving Time**

The loggers used for this analysis do not know anything about Daylight Saving Time (DST). Because of this, it is necessary to adjust the time/date stamps when time changes occur to set the logger's clock back to clock time. To help facilitate these adjustments, a calendar was created indicating when time changes occurred. Code was then written to recognize the time to which the logger was synced and then adjust the data when a DST boundary was crossed. This adjustment is automatic in viewLoggers.

A secondary issue arose for the few loggers that were initialized before DST started but installed after DST was in effect. These few loggers were identified and code was written to correct this problem by advancing the clock one hour for all time/date stamps in the transition file. This is controlled by the checkbox on the QC dialog called "Advance Time 1 Hour".

### **Conversion from Analog to Transition**

For the data collected from the pre/post logger study performed by Summit Blue, multi-channel data logger set to collect sample amperage data from a CT (current transformer) style logger at five-minute intervals were used. Out of over 1,900 loggers installed, 66 loggers were of this type. As is, the data from these loggers were not usable in the analysis of lighting transitions. It was determined that for most loggers when the level of usage fell below a threshold, the lighting could be considered *off*; when the level of usage went over this threshold value, the lighting could be considered *on*. Code was written to make this translation so that these loggers could be included in the analysis.

## **J.6 Conclusion**

After using this tool to evaluate thousands of loggers, obvious potential improvements have been identified for the next revision of the software. Allowing the user to zoom in on the data could be invaluable. Looking at one day's usage may show issues that can only be seen in the raw data in the current version. Having the software generate load shapes from the logged data and reported operating schedules could save time during analysis. Other issues have arisen that will also need to be addressed, but the software performed admirably given the short development time and planning that went into its design.

Reviewing and assigning dispositions to over 6,000 loggers would not have been possible without well trained and dedicated evaluators and a tool that could be used to review the data efficiently and effectively. viewLoggers was developed to be that tool. With its ability to bring together all pertinent information in one place for evaluation, viewLoggers was a key

element in maintaining the integrity and high level of data quality for this CPUC Small Commercial project.

# ***Appendix K***

## **Unit Energy Savings Estimate**

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HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2016	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN		876	6%	13.0	58.5	40	0.003
CFL	PGE2016	CFL INT INTEGRAL - 20 WATT - SCREW-IN		876	6%	14.3	59.2	39	0.003
CFL	PGE2016	CFL INT INTEGRAL - 20 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	876	6%	14.3	59.2	39	0.003
CFL	PGE2016	CFL INT INTEGRAL - 20 WATT - SCREW-IN	EDUCATION - UNIVERSITY	876	6%	14.3	59.2	39	0.003
CFL	PGE2016	CFL INT INTEGRAL - 20 WATT - SCREW-IN	LODGING	876	6%	14.3	59.2	39	0.003
CFL	PGE2016	CFL INT INTEGRAL - 20 WATT - SCREW-IN	OFFICE - LARGE	2,753	55%	14.3	59.2	124	0.025
CFL	PGE2016	CFL INT INTEGRAL - 20 WATT - SCREW-IN	OFFICE - SMALL	1,503	25%	14.3	59.2	67	0.011
CFL	PGE2016	CFL INT INTEGRAL - 20 WATT - SCREW-IN	STORAGE - UNCONDITIONED	2,551	55%	14.3	59.2	115	0.025
CFL	PGE2016	CFL INT INTEGRAL - 25 WATT <1,600 LUMENS - SCREW-IN		876	6%	25.0	68.1	38	0.003
CFL	PGE2016	INTERIOR CF BULB - 15 WATT >= 800 LUMENS		876	6%	15.0	59.5	39	0.003
CFL	PGE2016	INTERIOR CF BULB - 19 WATT >=1,100 LUMENS		876	6%	19.0	61.2	37	0.003
CFL	PGE2016	INTERIOR CF BULB - 23 WATT 1,400 TO 1,599 LUMENS		876	6%	22.9	62.6	35	0.002
CFL	PGE2016	INTERIOR CF BULB - 23 WATT 1,400 TO 1,599 LUMENS	LODGING	876	6%	22.9	62.6	35	0.002
CFL	PGE2016	INTERIOR CF BULB - 23 WATT 1,400 TO 1,599 LUMENS	RETAIL - SMALL	1,496	24%	22.9	62.6	59	0.010
CFL	PGE2016	R30 REFLECTOR TYPE		876	6%	14.9	59.5	39	0.003
CFL	PGE2016	R40 REFLECTOR TYPE		876	6%	23.0	62.6	35	0.002
CFL	PGE2016	SCREW-IN CFL LAMPS - 14 - 26 WATTS		876	6%	17.1	60.9	38	0.003
CFL	PGE2016	SCREW-IN CFL LAMPS 5-13 WATTS		876	6%	9.0	46.6	33	0.002
CFL	PGE2016	SCREW-IN CFL REFLECTOR LAMP 14 WATTS		876	6%	14.0	59.1	39	0.003
CFL	PGE2016	SCREW-IN CFL REFLECTOR LAMP 23 WATTS		876	6%	23.0	62.6	35	0.002
CFL	PGE2016	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS		876	6%	17.3	60.4	38	0.003
CFL	PGE2017	CFL 13 WATT		1,669	25%	13.0	58.5	76	0.012
CFL	PGE2017	CFL 13 WATT	LODGING	820	6%	13.0	58.5	37	0.003
CFL	PGE2017	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN		1,669	25%	13.0	58.5	76	0.012
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN		1,669	25%	14.3	59.2	75	0.011
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	ASSEMBLY	827	7%	14.3	59.2	37	0.003
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	AVERAGE	1,409	9%	14.3	59.2	63	0.004
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	AVERAGE BUILDING TYPE- PGE2017	1,409	9%	14.3	59.2	63	0.004
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	EDUCATION - COMMUNITY COLLEGE	1,987	7%	14.3	59.2	89	0.003
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	EDUCATION - PRIMARY SCHOOL	2,919	9%	14.3	59.2	131	0.004
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,669	25%	14.3	59.2	75	0.011
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	GROCERY	2,778	24%	14.3	59.2	125	0.011
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	14.3	59.2	55	0.013
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	LODGING	820	6%	14.3	59.2	37	0.003
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	LODGING - MOTEL	820	6%	14.3	59.2	37	0.003
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	OFFICE - LARGE	2,753	55%	14.3	59.2	124	0.025
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	OFFICE - SMALL	1,621	23%	14.3	59.2	73	0.010
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RESIDENTIAL - SINGLE FAMILY	1,669	25%	14.3	59.2	75	0.011
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RESTAURANT - FAST-FOOD	1,936	36%	14.3	59.2	87	0.016
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RESTAURANT - SIT-DOWN	1,371	21%	14.3	59.2	62	0.010
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RETAIL - MULTISTORY LARGE	1,834	31%	14.3	59.2	82	0.014
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	14.3	59.2	227	0.036
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RETAIL - SMALL	1,588	25%	14.3	59.2	71	0.011
CFL	PGE2017	CFL INT INTEGRAL - 20 WATT - SCREW-IN	STORAGE - UNCONDITIONED	2,551	55%	14.3	59.2	115	0.025
CFL	PGE2017	CFL INT INTEGRAL - 25 WATT <1,600 LUMENS - SCREW-IN		1,669	25%	25.0	68.1	72	0.011
CFL	PGE2017	CFLS - 25 WATT		1,669	25%	25.0	68.1	72	0.011
CFL	PGE2017	CFLS - 25 WATT	AVERAGE	1,409	9%	25.0	68.1	61	0.004
CFL	PGE2017	CFLS - 25 WATT	HEALTH/MEDICAL - HOSPITAL	2,294	25%	25.0	68.1	99	0.011
CFL	PGE2017	CFLS - 25 WATT	OFFICE - LARGE	2,753	55%	25.0	68.1	119	0.024
CFL	PGE2017	CFLS - 25 WATT	OFFICE - SMALL	1,621	23%	25.0	68.1	70	0.010
CFL	PGE2017	CFLS - 25 WATT	RESIDENTIAL - SINGLE FAMILY	1,669	25%	25.0	68.1	72	0.011
CFL	PGE2017	INTERIOR CF BULB - 15 WATT >= 800 LUMENS		1,669	25%	15.0	59.5	74	0.011
CFL	PGE2017	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	RESIDENTIAL - SINGLE FAMILY	1,669	25%	15.0	59.5	74	0.011
CFL	PGE2017	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	GROCERY	2,778	24%	21.1	63.6	118	0.010
CFL	PGE2017	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	OFFICE - SMALL	1,621	23%	21.1	63.6	69	0.010
CFL	PGE2017	R30 REFLECTOR TYPE	RESIDENTIAL - SINGLE FAMILY	1,669	25%	14.9	59.5	74	0.011
CFL	PGE2017	R40 REFLECTOR TYPE	RESIDENTIAL - SINGLE FAMILY	1,669	25%	23.0	62.6	66	0.010
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS		1,669	25%	17.1	60.9	73	0.011
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	AVERAGE	1,409	9%	17.1	60.9	62	0.004
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	AVERAGE BUILDING TYPE- PGE2017	1,409	9%	17.1	60.9	62	0.004
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	GROCERY	2,778	24%	17.1	60.9	122	0.011
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	HEALTH/MEDICAL - HOSPITAL	2,294	25%	17.1	60.9	101	0.011
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	LODGING - HOTEL	820	6%	17.1	60.9	36	0.003
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	LODGING - MOTEL	820	6%	17.1	60.9	36	0.003
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	OFFICE - LARGE	2,753	55%	17.1	60.9	121	0.024
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	OFFICE - SMALL	1,621	23%	17.1	60.9	71	0.010
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RESIDENTIAL - SINGLE FAMILY	1,669	25%	17.1	60.9	73	0.011
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	17.1	60.9	85	0.016



HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RETAIL - MULTISTORY LARGE	1,834	31%	17.1	60.9	80	0.014
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RETAIL - SMALL	1,588	25%	17.1	60.9	70	0.011
CFL	PGE2017	SCREW-IN CFL LAMPS - 14 - 26 WATTS	STORAGE - CONDITIONED	2,287	39%	17.1	60.9	100	0.017
CFL	PGE2017	SCREW-IN CFL LAMPS - >= 27 WATTS	LODGING - HOTEL	820	6%	27.4	76.1	40	0.003
CFL	PGE2017	SCREW-IN CFL LAMPS - >= 27 WATTS	OFFICE - SMALL	1,621	23%	27.4	76.1	79	0.011
CFL	PGE2017	SCREW-IN CFL LAMPS 5-13 WATTS	OFFICE - SMALL	1,621	23%	9.0	46.6	61	0.009
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMP 14 WATTS	RESIDENTIAL - SINGLE FAMILY	1,669	25%	14.0	59.1	75	0.011
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	RESIDENTIAL - SINGLE FAMILY	1,669	25%	23.0	62.6	66	0.010
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RESIDENTIAL - SINGLE FAMILY	1,669	25%	17.3	60.4	72	0.011
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	AVERAGE BUILDING TYPE- PGE2017	1,409	9%	17.3	60.4	61	0.004
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	GROCERY	2,778	24%	17.3	60.4	120	0.011
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	LODGING - HOTEL	820	6%	17.3	60.4	35	0.003
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	OFFICE - SMALL	1,621	23%	17.3	60.4	70	0.010
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RESIDENTIAL - SINGLE FAMILY	1,669	25%	17.3	60.4	72	0.011
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	17.3	60.4	84	0.015
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RETAIL - MULTISTORY LARGE	1,834	31%	17.3	60.4	79	0.013
CFL	PGE2017	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	STORAGE - CONDITIONED	2,287	39%	17.3	60.4	99	0.017
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN	RESIDENTIAL - SINGLE FAMILY	1,456	21%	13.0	58.5	66	0.009
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN	AVERAGE	1,409	9%	13.0	58.5	64	0.004
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN	RESIDENTIAL - SINGLE FAMILY	1,456	21%	13.0	58.5	66	0.009
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	ASSEMBLY	827	7%	13.0	58.5	38	0.003
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	AVERAGE	1,409	9%	13.0	58.5	64	0.004
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	GROCERY	2,381	37%	13.0	58.5	108	0.017
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	HEALTH/MEDICAL - HOSPITAL	2,710	33%	13.0	58.5	123	0.015
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	13.0	58.5	56	0.013
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	LODGING	1,017	10%	13.0	58.5	46	0.005
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	LODGING - MOTEL	1,017	10%	13.0	58.5	46	0.005
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	OFFICE - LARGE	1,344	42%	13.0	58.5	61	0.019
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	OFFICE - SMALL	1,148	28%	13.0	58.5	52	0.013
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	RESTAURANT - FAST-FOOD	1,936	36%	13.0	58.5	88	0.016
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	RESTAURANT - SIT-DOWN	1,371	21%	13.0	58.5	62	0.010
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	13.0	58.5	230	0.036
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	RETAIL - SMALL	2,293	44%	13.0	58.5	104	0.020
CFL	PGE2021	CFL INT INTEGRAL - 13 WATT >= 800 LUMENS - SCREW-IN	STORAGE - UNCONDITIONED	2,551	55%	13.0	58.5	116	0.025
CFL	PGE2021	CFL INT INTEGRAL - 18 WATT >= 1,100 LUMENS - SCREW-IN	GROCERY	2,381	37%	18.0	60.9	102	0.016
CFL	PGE2021	CFL INT INTEGRAL - 18 WATT >= 1,100 LUMENS - SCREW-IN	OFFICE - SMALL	1,148	28%	18.0	60.9	49	0.012
CFL	PGE2021	CFL INT INTEGRAL - 18 WATT >= 1,100 LUMENS - SCREW-IN	RESTAURANT - FAST-FOOD	1,936	36%	18.0	60.9	83	0.015
CFL	PGE2021	CFL INT INTEGRAL - 18 WATT >= 1,100 LUMENS - SCREW-IN	RESTAURANT - SIT-DOWN	1,371	21%	18.0	60.9	59	0.009
CFL	PGE2021	CFL INT INTEGRAL - 18 WATT >= 1,100 LUMENS - SCREW-IN	RETAIL - SMALL	2,293	44%	18.0	60.9	98	0.019
CFL	PGE2021	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RETAIL - SMALL	1,456	21%	14.3	59.2	65	0.009
CFL	PGE2021	CFL INT INTEGRAL - 20 WATT - SCREW-IN	AVERAGE	1,409	9%	14.3	59.2	63	0.004
CFL	PGE2021	CFL INT INTEGRAL - 20 WATT - SCREW-IN	RESIDENTIAL - SINGLE FAMILY	1,456	21%	14.3	59.2	65	0.009
CFL	PGE2021	CFL INT INTEGRAL - 25 WATT <1,600 LUMENS - SCREW-IN	RESIDENTIAL - SINGLE FAMILY	1,456	21%	25.0	68.1	63	0.009
CFL	PGE2021	CFL INT INTEGRAL - 25 WATT <1,600 LUMENS - SCREW-IN	RESIDENTIAL - SINGLE FAMILY	1,456	21%	25.0	68.1	63	0.009
CFL	PGE2021	CFL INT INTEGRAL - 26 WATT >= 1,600 LUMENS - SCREW-IN	ASSEMBLY	827	7%	26.0	70.8	37	0.003
CFL	PGE2021	CFL INT INTEGRAL - 26 WATT >= 1,600 LUMENS - SCREW-IN	EDUCATION - PRIMARY SCHOOL	2,919	9%	26.0	70.8	131	0.004
CFL	PGE2021	CFL INT INTEGRAL - 26 WATT >= 1,600 LUMENS - SCREW-IN	OFFICE - LARGE	1,344	42%	26.0	70.8	60	0.019
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	ASSEMBLY	827	7%	15.0	59.5	37	0.003
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	GROCERY	2,381	37%	15.0	59.5	106	0.017
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	HEALTH/MEDICAL - NURSING HOME	1,222	28%	15.0	59.5	54	0.013
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	LODGING	1,017	10%	15.0	59.5	45	0.004
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	LODGING - MOTEL	1,017	10%	15.0	59.5	45	0.004
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	OFFICE - LARGE	1,344	42%	15.0	59.5	60	0.019
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	OFFICE - SMALL	1,148	28%	15.0	59.5	51	0.012
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	RESTAURANT - FAST-FOOD	1,936	36%	15.0	59.5	86	0.016
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	RESTAURANT - SIT-DOWN	1,371	21%	15.0	59.5	61	0.010
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	RETAIL - SMALL	2,293	44%	15.0	59.5	102	0.019
CFL	PGE2021	INTERIOR CF BULB - 15 WATT >= 800 LUMENS	STORAGE - UNCONDITIONED	2,551	55%	15.0	59.5	114	0.024
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	ASSEMBLY	827	7%	21.1	63.6	35	0.003
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	21.1	63.6	60	0.004
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	EDUCATION - PRIMARY SCHOOL	2,919	9%	21.1	63.6	124	0.004
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	GROCERY	2,381	37%	21.1	63.6	101	0.016
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	HEALTH/MEDICAL - HOSPITAL	2,710	33%	21.1	63.6	115	0.014
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	HEALTH/MEDICAL - NURSING HOME	1,222	28%	21.1	63.6	52	0.012
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	LODGING	1,017	10%	21.1	63.6	43	0.004
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	LODGING - MOTEL	1,017	10%	21.1	63.6	43	0.004
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	21.1	63.6	18	0.005
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	OFFICE - LARGE	1,344	42%	21.1	63.6	57	0.018

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	OFFICE - SMALL	1,148	28%	21.1	63.6	49	0.012
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	RESTAURANT - FAST-FOOD	1,936	36%	21.1	63.6	82	0.015
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	RESTAURANT - SIT-DOWN	1,371	21%	21.1	63.6	58	0.009
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	RETAIL - SINGLE-STORY LARGE	5,056	80%	21.1	63.6	214	0.034
CFL	PGE2021	INTERIOR CF BULB - 20 WATT >=1,100 LUMENS	RETAIL - SMALL	2,293	44%	21.1	63.6	97	0.019
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	ASSEMBLY	827	7%	23.0	62.6	33	0.003
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	AVERAGE	1,409	9%	23.0	62.6	56	0.004
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	23.0	62.6	56	0.004
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	GROCERY	2,381	37%	23.0	62.6	94	0.015
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	HEALTH/MEDICAL - NURSING HOME	1,222	28%	23.0	62.6	48	0.011
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	LODGING	1,017	10%	23.0	62.6	40	0.004
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	LODGING - HOTEL	1,017	10%	23.0	62.6	40	0.004
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	LODGING - MOTEL	1,017	10%	23.0	62.6	40	0.004
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	23.0	62.6	16	0.004
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	OFFICE - LARGE	1,344	42%	23.0	62.6	53	0.017
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	OFFICE - SMALL	1,148	28%	23.0	62.6	45	0.011
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	RESTAURANT - FAST-FOOD	1,936	36%	23.0	62.6	77	0.014
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	RESTAURANT - SIT-DOWN	1,371	21%	23.0	62.6	54	0.008
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	RETAIL - SINGLE-STORY LARGE	5,056	80%	23.0	62.6	200	0.032
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	RETAIL - SMALL	2,293	44%	23.0	62.6	91	0.017
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	STORAGE - CONDITIONED	2,287	39%	23.0	62.6	91	0.015
CFL	PGE2021	INTERIOR CF BULB - 23 WATT >=1,600 LUMENS	STORAGE - UNCONDITIONED	2,551	55%	23.0	62.6	101	0.022
CFL	PGE2021	INTERIOR CF BULB - 35 WATT >=2,000 LUMENS	ASSEMBLY	827	7%	35.0	95.3	50	0.004
CFL	PGE2021	INTERIOR CF BULB - 35 WATT >=2,000 LUMENS	LODGING - MOTEL	1,017	10%	35.0	95.3	61	0.006
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	ASSEMBLY	827	7%	42.0	114.3	60	0.005
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	42.0	114.3	102	0.006
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	EDUCATION - PRIMARY SCHOOL	2,919	9%	42.0	114.3	211	0.006
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	LODGING - HOTEL	1,017	10%	42.0	114.3	74	0.007
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	LODGING - MOTEL	1,017	10%	42.0	114.3	74	0.007
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	OFFICE - LARGE	1,344	42%	42.0	114.3	97	0.030
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	OFFICE - SMALL	1,148	28%	42.0	114.3	83	0.020
CFL	PGE2021	INTERIOR CF BULB - 42 WATT >=2,600 LUMENS	RETAIL - SMALL	2,293	44%	42.0	114.3	166	0.032
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	ASSEMBLY	827	7%	9.0	46.9	31	0.003
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	9.0	46.9	53	0.003
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	HEALTH/MEDICAL - NURSING HOME	1,222	28%	9.0	46.9	46	0.011
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	LODGING - HOTEL	1,017	10%	9.0	46.9	39	0.004
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	LODGING - MOTEL	1,017	10%	9.0	46.9	39	0.004
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	9.0	46.9	16	0.004
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	OFFICE - LARGE	1,344	42%	9.0	46.9	51	0.016
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	OFFICE - SMALL	1,148	28%	9.0	46.9	43	0.011
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	RESTAURANT - FAST-FOOD	1,936	36%	9.0	46.9	73	0.014
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	RESTAURANT - SIT-DOWN	1,371	21%	9.0	46.9	52	0.008
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	RETAIL - SINGLE-STORY LARGE	5,056	80%	9.0	46.9	192	0.030
CFL	PGE2021	INTERIOR CF BULB - 9 WATT	RETAIL - SMALL	2,293	44%	9.0	46.9	87	0.017
CFL	PGE2021	R30 REFLECTOR TYPE	RESIDENTIAL - SINGLE FAMILY	1,456	21%	14.9	59.5	65	0.009
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	17.1	60.9	62	0.004
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	EDUCATION - PRIMARY SCHOOL	2,919	9%	17.1	60.9	128	0.004
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	GROCERY	2,381	37%	17.1	60.9	104	0.016
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	HEALTH/MEDICAL - HOSPITAL	2,710	33%	17.1	60.9	119	0.014
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	LODGING - HOTEL	1,017	10%	17.1	60.9	45	0.004
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	OFFICE - LARGE	1,344	42%	17.1	60.9	59	0.018
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	OFFICE - SMALL	1,148	28%	17.1	60.9	50	0.012
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	17.1	60.9	85	0.016
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RETAIL - MULTISTORY LARGE	2,218	26%	17.1	60.9	97	0.011
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RETAIL - SMALL	2,293	44%	17.1	60.9	101	0.019
CFL	PGE2021	SCREW-IN CFL LAMPS - 14 - 26 WATTS	STORAGE - CONDITIONED	2,287	39%	17.1	60.9	100	0.017
CFL	PGE2021	SCREW-IN CFL LAMPS - >= 27 WATTS	OFFICE - LARGE	1,344	42%	27.4	76.1	65	0.021
CFL	PGE2021	SCREW-IN CFL LAMPS - >= 27 WATTS	OFFICE - SMALL	1,148	28%	27.4	76.1	56	0.014
CFL	PGE2021	SCREW-IN CFL LAMPS - >= 27 WATTS	RETAIL - MULTISTORY LARGE	2,218	26%	27.4	76.1	108	0.012
CFL	PGE2021	SCREW-IN CFL LAMPS - >= 27 WATTS	STORAGE - CONDITIONED	2,287	39%	27.4	76.1	111	0.019
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	9.0	46.6	53	0.003
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	EDUCATION - PRIMARY SCHOOL	2,919	9%	9.0	46.6	110	0.003
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	GROCERY	2,381	37%	9.0	46.6	89	0.014
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	HEALTH/MEDICAL - HOSPITAL	2,710	33%	9.0	46.6	102	0.012
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	LODGING - HOTEL	1,017	10%	9.0	46.6	38	0.004
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	OFFICE - LARGE	1,344	42%	9.0	46.6	50	0.016
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	OFFICE - SMALL	1,148	28%	9.0	46.6	43	0.010
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	9.0	46.6	73	0.013

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	RETAIL - MULTISTORY LARGE	2,218	26%	9.0	46.6	83	0.010
CFL	PGE2021	SCREW-IN CFL LAMPS 5-13 WATTS	STORAGE - CONDITIONED	2,287	39%	9.0	46.6	86	0.015
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	ASSEMBLY	827	7%	15.2	59.6	37	0.003
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	15.2	59.6	63	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	GROCERY	2,381	37%	15.2	59.6	106	0.017
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	HEALTH/MEDICAL - NURSING HOME	1,222	28%	15.2	59.6	54	0.012
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	LODGING - MOTEL	1,017	10%	15.2	59.6	45	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	OFFICE - LARGE	1,344	42%	15.2	59.6	60	0.019
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	OFFICE - SMALL	1,148	28%	15.2	59.6	51	0.012
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	RESIDENTIAL - SINGLE FAMILY	1,456	21%	15.2	59.6	65	0.009
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	15.2	59.6	86	0.016
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	15.2	59.6	61	0.010
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	RETAIL - SINGLE-STORY LARGE	5,056	80%	15.2	59.6	225	0.036
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 15 WATTS	RETAIL - SMALL	2,293	44%	15.2	59.6	102	0.019
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 18 WATTS	ASSEMBLY	827	7%	18.0	60.9	35	0.003
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 18 WATTS	EDUCATION - PRIMARY SCHOOL	2,919	9%	18.0	60.9	125	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 18 WATTS	LODGING - MOTEL	1,017	10%	18.0	60.9	44	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 18 WATTS	OFFICE - LARGE	1,344	42%	18.0	60.9	58	0.018
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 18 WATTS	OFFICE - SMALL	1,148	28%	18.0	60.9	49	0.012
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 18 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	18.0	60.9	59	0.009
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 18 WATTS	RETAIL - SMALL	2,293	44%	18.0	60.9	98	0.019
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	ASSEMBLY	1,456	21%	23.0	62.6	58	0.008
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	ASSEMBLY	827	7%	23.0	62.6	33	0.003
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	23.0	62.6	56	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	GROCERY	2,381	37%	23.0	62.6	94	0.015
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	HEALTH/MEDICAL - HOSPITAL	2,710	33%	23.0	62.6	107	0.013
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	HEALTH/MEDICAL - NURSING HOME	1,222	28%	23.0	62.6	48	0.011
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	LODGING - HOTEL	1,017	10%	23.0	62.6	40	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	LODGING - MOTEL	1,017	10%	23.0	62.6	40	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	23.0	62.6	16	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	OFFICE - LARGE	1,344	42%	23.0	62.6	53	0.017
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	OFFICE - SMALL	1,148	28%	23.0	62.6	45	0.011
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	RESIDENTIAL - SINGLE FAMILY	1,456	21%	23.0	62.6	58	0.008
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	23.0	62.6	77	0.014
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	23.0	62.6	54	0.008
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	RETAIL - SINGLE-STORY LARGE	5,056	80%	23.0	62.6	200	0.032
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	RETAIL - SMALL	2,293	44%	23.0	62.6	91	0.017
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMP 23 WATTS	STORAGE - UNCONDITIONED	2,551	55%	23.0	62.6	101	0.022
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	AVERAGE BUILDING TYPE- PGE2021	1,409	9%	17.3	60.4	61	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	GROCERY	2,381	37%	17.3	60.4	103	0.016
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	HEALTH/MEDICAL - HOSPITAL	2,710	33%	17.3	60.4	117	0.014
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	LODGING - HOTEL	1,017	10%	17.3	60.4	44	0.004
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	OFFICE - LARGE	1,344	42%	17.3	60.4	58	0.018
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	OFFICE - SMALL	1,148	28%	17.3	60.4	50	0.012
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RESIDENTIAL - SINGLE FAMILY	1,456	21%	17.3	60.4	63	0.009
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	17.3	60.4	84	0.015
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RETAIL - MULTISTORY LARGE	2,218	26%	17.3	60.4	96	0.011
CFL	PGE2021	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	STORAGE - CONDITIONED	2,287	39%	17.3	60.4	99	0.017
CFL	PGE2054	27W CFL SCREW IN	ASSEMBLY	827	7%	27.0	73.5	38	0.003
CFL	PGE2054	27W CFL SCREW IN	EDUCATION - COMMUNITY COLLEGE	1,987	7%	27.0	73.5	92	0.003
CFL	PGE2054	27W CFL SCREW IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	27.0	73.5	145	0.004
CFL	PGE2054	27W CFL SCREW IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	27.0	73.5	53	0.007
CFL	PGE2054	27W CFL SCREW IN	GROCERY	1,124	27%	27.0	73.5	52	0.012
CFL	PGE2054	27W CFL SCREW IN	HEALTH/MEDICAL - HOSPITAL	2,294	25%	27.0	73.5	107	0.012
CFL	PGE2054	27W CFL SCREW IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	27.0	73.5	57	0.013
CFL	PGE2054	27W CFL SCREW IN	LODGING	958	9%	27.0	73.5	45	0.004
CFL	PGE2054	27W CFL SCREW IN	MANUFACTURING - BIO/TECH	1,150	15%	27.0	73.5	53	0.007
CFL	PGE2054	27W CFL SCREW IN	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	27.0	73.5	19	0.005
CFL	PGE2054	27W CFL SCREW IN	OFFICE - LARGE	2,277	33%	27.0	73.5	106	0.015
CFL	PGE2054	27W CFL SCREW IN	OFFICE - SMALL	1,216	18%	27.0	73.5	57	0.009
CFL	PGE2054	27W CFL SCREW IN	RESTAURANT - FAST-FOOD	1,936	36%	27.0	73.5	90	0.017
CFL	PGE2054	27W CFL SCREW IN	RESTAURANT - SIT-DOWN	1,174	20%	27.0	73.5	55	0.009
CFL	PGE2054	27W CFL SCREW IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	27.0	73.5	235	0.037
CFL	PGE2054	27W CFL SCREW IN	RETAIL - SMALL	1,633	30%	27.0	73.5	76	0.014
CFL	PGE2054	27W CFL SCREW IN	STORAGE - CONDITIONED	2,287	39%	27.0	73.5	106	0.018
CFL	PGE2054	27W CFL SCREW IN	STORAGE - UNCONDITIONED	2,551	55%	27.0	73.5	119	0.025
CFL	PGE2054	85W CFL	OFFICE - SMALL	1,216	18%	85.0	231.7	178	0.027
CFL	PGE2054	85W CFL	RETAIL - SINGLE-STORY LARGE	5,056	80%	85.0	231.7	742	0.117

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2054	85W CFL	RETAIL - SMALL	1,633	30%	85.0	231.7	240	0.043
CFL	PGE2054	85W CFL	STORAGE - UNCONDITIONED	2,551	55%	85.0	231.7	374	0.080
CFL	PGE2054	CFL 32 WATT	EDUCATION - PRIMARY SCHOOL	3,114	9%	32.0	87.1	172	0.005
CFL	PGE2054	CFL 32 WATT	OFFICE - LARGE	2,277	33%	32.0	87.1	126	0.018
CFL	PGE2054	CFL 32 WATT	OFFICE - SMALL	1,216	18%	32.0	87.1	67	0.010
CFL	PGE2054	CFL 32 WATT	RESTAURANT - SIT-DOWN	1,174	20%	32.0	87.1	65	0.011
CFL	PGE2054	CFL 32 WATT	RETAIL - SMALL	1,633	30%	32.0	87.1	90	0.016
CFL	PGE2054	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	13.0	58.5	142	0.004
CFL	PGE2054	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	13.0	58.5	56	0.013
CFL	PGE2054	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN	RESTAURANT - SIT-DOWN	1,174	20%	13.0	58.5	53	0.009
CFL	PGE2054	CFL INT INTEGRAL - 13 WATT < 800 LUMENS - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	13.0	58.5	230	0.036
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	ASSEMBLY	827	7%	14.3	59.2	37	0.003
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	EDUCATION - COMMUNITY COLLEGE	1,987	7%	14.3	59.2	89	0.003
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	14.3	59.2	140	0.004
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	14.3	59.2	52	0.007
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	GROCERY	1,124	27%	14.3	59.2	50	0.012
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	HEALTH/MEDICAL - HOSPITAL	2,294	25%	14.3	59.2	103	0.011
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	14.3	59.2	55	0.013
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	LODGING	958	9%	14.3	59.2	43	0.004
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	LODGING - HOTEL	958	9%	14.3	59.2	43	0.004
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	LODGING - MOTEL	958	9%	14.3	59.2	43	0.004
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	MANUFACTURING - BIO/TECH	1,150	15%	14.3	59.2	52	0.007
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	14.3	59.2	19	0.005
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	OFFICE - LARGE	2,277	33%	14.3	59.2	102	0.015
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	OFFICE - SMALL	1,216	18%	14.3	59.2	55	0.008
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	RESTAURANT - FAST-FOOD	1,936	36%	14.3	59.2	87	0.016
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	RESTAURANT - SIT-DOWN	1,174	20%	14.3	59.2	53	0.009
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	14.3	59.2	227	0.036
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	RETAIL - SMALL	1,633	30%	14.3	59.2	73	0.013
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	STORAGE - CONDITIONED	2,287	39%	14.3	59.2	103	0.017
CFL	PGE2054	CFL INT INTEGRAL - 14 WATT - SCREW-IN	STORAGE - UNCONDITIONED	2,551	55%	14.3	59.2	114	0.025
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	EDUCATION - COMMUNITY COLLEGE	1,987	7%	15.0	59.5	88	0.003
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	15.0	59.5	139	0.004
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	15.0	59.5	51	0.007
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	GROCERY	1,124	27%	15.0	59.5	50	0.012
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	HEALTH/MEDICAL - HOSPITAL	2,294	25%	15.0	59.5	102	0.011
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	15.0	59.5	54	0.013
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	LODGING	958	9%	15.0	59.5	43	0.004
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	LODGING - HOTEL	958	9%	15.0	59.5	43	0.004
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	LODGING - MOTEL	958	9%	15.0	59.5	43	0.004
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	15.0	59.5	18	0.005
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	OFFICE - LARGE	2,277	33%	15.0	59.5	101	0.015
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	OFFICE - SMALL	1,216	18%	15.0	59.5	54	0.008
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	RESTAURANT - FAST-FOOD	1,936	36%	15.0	59.5	86	0.016
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	RESTAURANT - SIT-DOWN	1,174	20%	15.0	59.5	52	0.009
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	15.0	59.5	225	0.036
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	RETAIL - SMALL	1,633	30%	15.0	59.5	73	0.013
CFL	PGE2054	CFL INT INTEGRAL - 15 WATT - SCREW-IN	STORAGE - UNCONDITIONED	2,551	55%	15.0	59.5	114	0.024
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	ASSEMBLY	827	7%	16.0	60.0	36	0.003
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	16.0	60.0	137	0.004
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	16.0	60.0	51	0.007
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	GROCERY	1,124	27%	16.0	60.0	49	0.012
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	16.0	60.0	54	0.012
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	LODGING	958	9%	16.0	60.0	42	0.004
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	LODGING - HOTEL	958	9%	16.0	60.0	42	0.004
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	LODGING - MOTEL	958	9%	16.0	60.0	42	0.004
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	16.0	60.0	18	0.005
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	OFFICE - LARGE	2,277	33%	16.0	60.0	100	0.014
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	OFFICE - SMALL	1,216	18%	16.0	60.0	53	0.008
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	RESTAURANT - FAST-FOOD	1,936	36%	16.0	60.0	85	0.016
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	RESTAURANT - SIT-DOWN	1,174	20%	16.0	60.0	52	0.009
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	16.0	60.0	222	0.035
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	RETAIL - SMALL	1,633	30%	16.0	60.0	72	0.013
CFL	PGE2054	CFL INT INTEGRAL - 16 WATT - SCREW-IN	STORAGE - CONDITIONED	2,287	39%	16.0	60.0	101	0.017
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	19.0	61.2	132	0.004
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	19.0	61.2	49	0.006
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	GROCERY	1,124	27%	19.0	61.2	47	0.011
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	HEALTH/MEDICAL - HOSPITAL	2,294	25%	19.0	61.2	97	0.011

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	19.0	61.2	52	0.012
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	LODGING - HOTEL	958	9%	19.0	61.2	40	0.004
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	LODGING - MOTEL	958	9%	19.0	61.2	40	0.004
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	19.0	61.2	18	0.004
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	OFFICE - LARGE	2,277	33%	19.0	61.2	96	0.014
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	OFFICE - SMALL	1,216	18%	19.0	61.2	51	0.008
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	RESTAURANT - SIT-DOWN	1,174	20%	19.0	61.2	50	0.008
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	19.0	61.2	214	0.034
CFL	PGE2054	CFL INT INTEGRAL - 19 WATT >= 1,100 LUMENS - SCREW-IN	RETAIL - SMALL	1,633	30%	19.0	61.2	69	0.012
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	ASSEMBLY	827	7%	22.5	62.4	33	0.003
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	22.5	62.4	124	0.004
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	22.5	62.4	46	0.006
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	GROCERY	1,124	27%	22.5	62.4	45	0.011
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	HEALTH/MEDICAL - HOSPITAL	2,294	25%	22.5	62.4	92	0.010
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	22.5	62.4	49	0.011
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	LODGING	958	9%	22.5	62.4	38	0.003
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	LODGING - HOTEL	958	9%	22.5	62.4	38	0.003
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	LODGING - MOTEL	958	9%	22.5	62.4	38	0.003
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	22.5	62.4	17	0.004
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	OFFICE - LARGE	2,277	33%	22.5	62.4	91	0.013
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	OFFICE - SMALL	1,216	18%	22.5	62.4	49	0.007
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	RESTAURANT - FAST-FOOD	1,936	36%	22.5	62.4	77	0.014
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	RESTAURANT - SIT-DOWN	1,174	20%	22.5	62.4	47	0.008
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	22.5	62.4	202	0.032
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	RETAIL - SMALL	1,633	30%	22.5	62.4	65	0.012
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	STORAGE - CONDITIONED	2,287	39%	22.5	62.4	91	0.015
CFL	PGE2054	CFL INT INTEGRAL - 23 WATT - SCREW-IN	STORAGE - UNCONDITIONED	2,551	55%	22.5	62.4	102	0.022
CFL	PGE2054	CFL INT INTEGRAL - 26 WATT < 1,600 LUMENS - SCREW-IN	RETAIL - SMALL	1,633	30%	26.0	70.8	73	0.013
CFL	PGE2054	CFL INT INTEGRAL - 28 WATT - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	28.0	76.2	150	0.004
CFL	PGE2054	CFL INT INTEGRAL - 28 WATT - SCREW-IN	GROCERY	1,124	27%	28.0	76.2	54	0.013
CFL	PGE2054	CFL INT INTEGRAL - 28 WATT - SCREW-IN	LODGING	958	9%	28.0	76.2	46	0.004
CFL	PGE2054	CFL INT INTEGRAL - 28 WATT - SCREW-IN	LODGING - HOTEL	958	9%	28.0	76.2	46	0.004
CFL	PGE2054	CFL INT INTEGRAL - 28 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	28.0	76.2	244	0.039
CFL	PGE2054	CFL INT INTEGRAL - 28 WATT - SCREW-IN	RETAIL - SMALL	1,633	30%	28.0	76.2	79	0.014
CFL	PGE2054	CFL INT INTEGRAL - 30 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	30.0	81.7	59	0.008
CFL	PGE2054	CFL INT INTEGRAL - 30 WATT - SCREW-IN	OFFICE - SMALL	1,216	18%	30.0	81.7	63	0.010
CFL	PGE2054	CFL INT INTEGRAL - 30 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	30.0	81.7	261	0.041
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	EDUCATION - COMMUNITY COLLEGE	1,987	7%	40.0	108.9	137	0.005
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	EDUCATION - PRIMARY SCHOOL	3,114	9%	40.0	108.9	215	0.006
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	EDUCATION - SECONDARY SCHOOL	1,150	15%	40.0	108.9	79	0.010
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	GROCERY	1,124	27%	40.0	108.9	77	0.018
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	HEALTH/MEDICAL - NURSING HOME	1,222	28%	40.0	108.9	84	0.019
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	LODGING - HOTEL	958	9%	40.0	108.9	66	0.006
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	LODGING - MOTEL	958	9%	40.0	108.9	66	0.006
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	40.0	108.9	29	0.007
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	OFFICE - SMALL	1,216	18%	40.0	108.9	84	0.013
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	RESTAURANT - SIT-DOWN	1,174	20%	40.0	108.9	81	0.014
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	RETAIL - SINGLE-STORY LARGE	5,056	80%	40.0	108.9	348	0.055
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	RETAIL - SMALL	1,633	30%	40.0	108.9	112	0.020
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	STORAGE - CONDITIONED	2,287	39%	40.0	108.9	158	0.027
CFL	PGE2054	CFL INT INTEGRAL - 40 WATT - SCREW-IN	STORAGE - UNCONDITIONED	2,551	55%	40.0	108.9	176	0.038
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	EDUCATION - PRIMARY SCHOOL	3,114	9%	42.0	114.3	225	0.006
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	EDUCATION - SECONDARY SCHOOL	1,150	15%	42.0	114.3	83	0.011
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	GROCERY	1,124	27%	42.0	114.3	81	0.019
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	42.0	114.3	30	0.008
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	OFFICE - LARGE	2,277	33%	42.0	114.3	165	0.024
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	OFFICE - SMALL	1,216	18%	42.0	114.3	88	0.013
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	RESTAURANT - FAST-FOOD	1,936	36%	42.0	114.3	140	0.026
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	RESTAURANT - SIT-DOWN	1,174	20%	42.0	114.3	85	0.014
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	RETAIL - SINGLE-STORY LARGE	5,056	80%	42.0	114.3	366	0.058
CFL	PGE2054	INTERIOR CF BULB - 42 WATT	RETAIL - SMALL	1,633	30%	42.0	114.3	118	0.021
CFL	PGE2054	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RESTAURANT - SIT-DOWN	1,174	20%	17.1	60.9	51	0.009
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	EDUCATION - PRIMARY SCHOOL	3,114	9%	9.0	46.6	117	0.003
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	EDUCATION - SECONDARY SCHOOL	1,150	15%	9.0	46.6	43	0.006
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	GROCERY	1,124	27%	9.0	46.6	42	0.010
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	HEALTH/MEDICAL - HOSPITAL	2,294	25%	9.0	46.6	86	0.010
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	HEALTH/MEDICAL - NURSING HOME	1,222	28%	9.0	46.6	46	0.011
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	LODGING - HOTEL	958	9%	9.0	46.6	36	0.003

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	LODGING - MOTEL	958	9%	9.0	46.6	36	0.003
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	OFFICE - LARGE	2,277	33%	9.0	46.6	86	0.012
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	OFFICE - SMALL	1,216	18%	9.0	46.6	46	0.007
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	9.0	46.6	73	0.013
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	RESTAURANT - SIT-DOWN	1,174	20%	9.0	46.6	44	0.007
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	RETAIL - SINGLE-STORY LARGE	5,056	80%	9.0	46.6	190	0.030
CFL	PGE2054	SCREW-IN CFL LAMPS 5-13 WATTS	RETAIL - SMALL	1,633	30%	9.0	46.6	61	0.011
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	ASSEMBLY	770	10%	15.6	59.3	34	0.004
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	AVERAGE	1,409	9%	15.6	59.3	62	0.004
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	AVERAGE BLDGTYPE - PGE2080	1,409	9%	15.6	59.3	62	0.004
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	EDUCATION - PRIMARY SCHOOL	2,919	9%	15.6	59.3	128	0.004
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	GROCERY	2,778	24%	15.6	59.3	122	0.011
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	HEALTH/MEDICAL - HOSPITAL	2,294	25%	15.6	59.3	100	0.011
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	HEALTH/MEDICAL - NURSING HOME	1,387	24%	15.6	59.3	61	0.011
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	LODGING	753	6%	15.6	59.3	33	0.003
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	LODGING - HOTEL	753	6%	15.6	59.3	33	0.003
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	LODGING - MOTEL	753	6%	15.6	59.3	33	0.003
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	15.6	59.3	18	0.005
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	OFFICE - LARGE	3,119	64%	15.6	59.3	136	0.028
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	OFFICE - SMALL	4,100	25%	15.6	59.3	179	0.011
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	RESTAURANT - FAST-FOOD	1,936	36%	15.6	59.3	85	0.016
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	RESTAURANT - SIT-DOWN	1,371	21%	15.6	59.3	60	0.009
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	RETAIL - MULTISTORY LARGE	689	17%	15.6	59.3	30	0.007
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	RETAIL - SINGLE-STORY LARGE	5,487	86%	15.6	59.3	240	0.038
CFL	PGE2080	SCREW-IN CF REFLECTOR LAMPS < 22WATTS	RETAIL - SMALL	2,051	37%	15.6	59.3	90	0.016
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	ASSEMBLY	770	10%	17.1	60.9	34	0.004
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	AVERAGE BLDGTYPE - PGE2080	1,409	9%	17.1	60.9	62	0.004
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	EDUCATION - PRIMARY SCHOOL	2,919	9%	17.1	60.9	128	0.004
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	EDUCATION - SECONDARY SCHOOL	2,741	42%	17.1	60.9	120	0.018
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	EDUCATION - UNIVERSITY	2,741	42%	17.1	60.9	120	0.018
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	GROCERY	2,778	24%	17.1	60.9	122	0.011
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	HEALTH/MEDICAL - HOSPITAL	2,294	25%	17.1	60.9	101	0.011
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	HEALTH/MEDICAL - NURSING HOME	1,387	24%	17.1	60.9	61	0.011
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	LODGING	753	6%	17.1	60.9	33	0.003
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	LODGING - HOTEL	753	6%	17.1	60.9	33	0.003
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	LODGING - MOTEL	753	6%	17.1	60.9	33	0.003
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	17.1	60.9	18	0.005
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	OFFICE - LARGE	3,119	64%	17.1	60.9	137	0.028
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	OFFICE - SMALL	4,100	25%	17.1	60.9	180	0.011
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	17.1	60.9	85	0.016
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	17.1	60.9	60	0.009
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RETAIL - SINGLE-STORY LARGE	5,487	86%	17.1	60.9	241	0.038
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	RETAIL - SMALL	2,051	37%	17.1	60.9	90	0.016
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	STORAGE - CONDITIONED	2,287	39%	17.1	60.9	100	0.017
CFL	PGE2080	SCREW-IN CFL LAMPS - 14 - 26 WATTS	STORAGE - UNCONDITIONED	3,114	66%	17.1	60.9	137	0.029
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	ASSEMBLY	770	10%	27.4	76.1	38	0.005
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	AVERAGE BLDGTYPE - PGE2080	1,409	9%	27.4	76.1	69	0.004
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	EDUCATION - COMMUNITY COLLEGE	1,987	10%	27.4	76.1	97	0.005
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	EDUCATION - PRIMARY SCHOOL	2,919	9%	27.4	76.1	142	0.004
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	EDUCATION - SECONDARY SCHOOL	2,741	42%	27.4	76.1	134	0.020
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	EDUCATION - UNIVERSITY	2,741	42%	27.4	76.1	134	0.020
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	HEALTH/MEDICAL - HOSPITAL	2,294	25%	27.4	76.1	112	0.012
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	HEALTH/MEDICAL - NURSING HOME	1,387	24%	27.4	76.1	68	0.012
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	LODGING - HOTEL	753	6%	27.4	76.1	37	0.003
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	LODGING - MOTEL	753	6%	27.4	76.1	37	0.003
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	27.4	76.1	20	0.005
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	OFFICE - LARGE	3,119	64%	27.4	76.1	152	0.031
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	OFFICE - SMALL	4,100	25%	27.4	76.1	200	0.012
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	27.4	76.1	94	0.017
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	27.4	76.1	67	0.010
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	STORAGE - CONDITIONED	2,287	39%	27.4	76.1	111	0.019
CFL	PGE2080	SCREW-IN CFL LAMPS - >= 27 WATTS	STORAGE - UNCONDITIONED	3,114	66%	27.4	76.1	152	0.032
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	ASSEMBLY	770	10%	9.0	46.6	29	0.004
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	AVERAGE BLDGTYPE - PGE2080	1,409	9%	9.0	46.6	53	0.003
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	EDUCATION - UNIVERSITY	2,741	42%	9.0	46.6	103	0.016
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	LODGING - HOTEL	753	6%	9.0	46.6	28	0.002
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	LODGING - MOTEL	753	6%	9.0	46.6	28	0.002
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	OFFICE - SMALL	4,100	25%	9.0	46.6	154	0.009

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	9.0	46.6	52	0.008
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	RETAIL - SINGLE-STORY LARGE	5,487	86%	9.0	46.6	206	0.032
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	RETAIL - SMALL	2,051	37%	9.0	46.6	77	0.014
CFL	PGE2080	SCREW-IN CFL LAMPS 5-13 WATTS	STORAGE - CONDITIONED	2,287	39%	9.0	46.6	86	0.015
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	ASSEMBLY	770	10%	17.3	60.4	33	0.004
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	AVERAGE BLDGTYPE - PGE2080	1,409	9%	17.3	60.4	61	0.004
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	EDUCATION - PRIMARY SCHOOL	2,919	9%	17.3	60.4	126	0.004
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	GROCERY	2,778	24%	17.3	60.4	120	0.011
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	HEALTH/MEDICAL - HOSPITAL	2,294	25%	17.3	60.4	99	0.011
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	HEALTH/MEDICAL - NURSING HOME	1,387	24%	17.3	60.4	60	0.011
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	LODGING - HOTEL	753	6%	17.3	60.4	32	0.003
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	LODGING - MOTEL	753	6%	17.3	60.4	32	0.003
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	OFFICE - LARGE	3,119	64%	17.3	60.4	135	0.028
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	OFFICE - SMALL	4,100	25%	17.3	60.4	177	0.011
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	17.3	60.4	59	0.009
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	RETAIL - SINGLE-STORY LARGE	5,487	86%	17.3	60.4	237	0.037
CFL	PGE2080	SCREW-IN CFL REFLECTOR LAMPS - 14-26 WATTS	STORAGE - UNCONDITIONED	3,114	66%	17.3	60.4	134	0.029
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	ASSEMBLY	737	6%	20.2	61.6	30	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	AVERAGE	1,409	9%	20.2	61.6	58	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - COMMUNITY COLLEGE	1,987	6%	20.2	61.6	82	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - PRIMARY SCHOOL	320	9%	20.2	61.6	13	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - SECONDARY SCHOOL	1,474	23%	20.2	61.6	61	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - UNIVERSITY	1,474	23%	20.2	61.6	61	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	GROCERY	2,870	23%	20.2	61.6	119	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	HEALTH/MEDICAL - HOSPITAL	2,294	25%	20.2	61.6	95	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	HEALTH/MEDICAL - NURSING HOME	1,204	29%	20.2	61.6	50	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	LODGING	1,444	7%	20.2	61.6	60	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	20.2	61.6	17	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	OFFICE - LARGE	2,753	55%	20.2	61.6	114	0.023
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	OFFICE - SMALL	1,384	29%	20.2	61.6	57	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	20.2	61.6	80	0.015
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RESTAURANT - SIT-DOWN	1,303	23%	20.2	61.6	54	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RETAIL - MULTISTORY LARGE	1,478	24%	20.2	61.6	61	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RETAIL - SINGLE-STORY LARGE	1,435	30%	20.2	61.6	59	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RETAIL - SMALL	1,448	22%	20.2	61.6	60	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	STORAGE - UNCONDITIONED	2,551	55%	20.2	61.6	106	0.023
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	ASSEMBLY	737	6%	19.5	61.3	31	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	EDUCATION - COMMUNITY COLLEGE	1,987	6%	19.5	61.3	83	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	EDUCATION - PRIMARY SCHOOL	320	9%	19.5	61.3	13	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	EDUCATION - SECONDARY SCHOOL	1,474	23%	19.5	61.3	62	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	EDUCATION - UNIVERSITY	1,474	23%	19.5	61.3	62	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	GROCERY	2,870	23%	19.5	61.3	120	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	HEALTH/MEDICAL - HOSPITAL	2,294	25%	19.5	61.3	96	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	HEALTH/MEDICAL - NURSING HOME	1,204	29%	19.5	61.3	50	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	LODGING	1,444	7%	19.5	61.3	60	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	19.5	61.3	17	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	OFFICE - LARGE	2,753	55%	19.5	61.3	115	0.023
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	OFFICE - SMALL	1,384	29%	19.5	61.3	58	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	RESTAURANT - FAST-FOOD	1,936	36%	19.5	61.3	81	0.015
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	RESTAURANT - SIT-DOWN	1,303	23%	19.5	61.3	54	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	RETAIL - MULTISTORY LARGE	1,478	24%	19.5	61.3	62	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	RETAIL - SINGLE-STORY LARGE	1,435	30%	19.5	61.3	60	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS W/ REFLECTOR (R30)	RETAIL - SMALL	1,448	22%	19.5	61.3	61	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	ASSEMBLY	737	6%	11.7	53.2	31	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	AVERAGE	1,409	9%	11.7	53.2	58	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	EDUCATION - COMMUNITY COLLEGE	1,987	6%	11.7	53.2	82	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	EDUCATION - PRIMARY SCHOOL	320	9%	11.7	53.2	13	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	EDUCATION - SECONDARY SCHOOL	1,474	23%	11.7	53.2	61	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	EDUCATION - UNIVERSITY	1,474	23%	11.7	53.2	61	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	GROCERY	2,870	23%	11.7	53.2	119	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	HEALTH/MEDICAL - NURSING HOME	1,204	29%	11.7	53.2	50	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	LODGING	1,444	7%	11.7	53.2	60	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	11.7	53.2	17	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	OFFICE - LARGE	2,753	55%	11.7	53.2	114	0.023
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	OFFICE - SMALL	1,384	29%	11.7	53.2	57	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	11.7	53.2	80	0.015
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RESTAURANT - SIT-DOWN	1,303	23%	11.7	53.2	54	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RETAIL - MULTISTORY LARGE	1,478	24%	11.7	53.2	61	0.010

HIM	eeegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RETAIL - SINGLE-STORY LARGE	1,435	30%	11.7	53.2	59	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RETAIL - SMALL	1,448	22%	11.7	53.2	60	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	STORAGE - UNCONDITIONED	2,551	55%	11.7	53.2	106	0.023
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	ASSEMBLY	737	6%	11.0	57.3	34	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	EDUCATION - COMMUNITY COLLEGE	1,987	6%	11.0	57.3	92	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	EDUCATION - PRIMARY SCHOOL	320	9%	11.0	57.3	15	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	EDUCATION - UNIVERSITY	1,474	23%	11.0	57.3	68	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	GROCERY	2,870	23%	11.0	57.3	133	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	HEALTH/MEDICAL - NURSING HOME	1,204	29%	11.0	57.3	56	0.013
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	LODGING	1,444	7%	11.0	57.3	67	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	OFFICE - LARGE	2,753	55%	11.0	57.3	128	0.025
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	OFFICE - SMALL	1,384	29%	11.0	57.3	64	0.013
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	RESTAURANT - FAST-FOOD	1,936	36%	11.0	57.3	90	0.017
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	RESTAURANT - SIT-DOWN	1,303	23%	11.0	57.3	60	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	RETAIL - SINGLE-STORY LARGE	1,435	30%	11.0	57.3	66	0.014
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS W/ REFLECTOR (R20)	RETAIL - SMALL	1,448	22%	11.0	57.3	67	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	ASSEMBLY	737	6%	21.2	67.3	34	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	EDUCATION - COMMUNITY COLLEGE	1,987	6%	21.2	67.3	92	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	EDUCATION - PRIMARY SCHOOL	320	9%	21.2	67.3	15	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	EDUCATION - SECONDARY SCHOOL	1,474	23%	21.2	67.3	68	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	GROCERY	2,870	23%	21.2	67.3	132	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	HEALTH/MEDICAL - NURSING HOME	1,204	29%	21.2	67.3	56	0.013
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	LODGING	1,444	7%	21.2	67.3	67	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	21.2	67.3	19	0.005
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	OFFICE - LARGE	2,753	55%	21.2	67.3	127	0.025
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	OFFICE - SMALL	1,384	29%	21.2	67.3	64	0.013
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	21.2	67.3	89	0.016
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	RESTAURANT - SIT-DOWN	1,303	23%	21.2	67.3	60	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	RETAIL - SINGLE-STORY LARGE	1,435	30%	21.2	67.3	66	0.014
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS	RETAIL - SMALL	1,448	22%	21.2	67.3	67	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	ASSEMBLY	737	6%	23.0	62.6	29	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	EDUCATION - COMMUNITY COLLEGE	1,987	6%	23.0	62.6	79	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	EDUCATION - PRIMARY SCHOOL	320	9%	23.0	62.6	13	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	EDUCATION - UNIVERSITY	1,474	23%	23.0	62.6	58	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	GROCERY	2,870	23%	23.0	62.6	114	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	HEALTH/MEDICAL - NURSING HOME	1,204	29%	23.0	62.6	48	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	LODGING	1,444	7%	23.0	62.6	57	0.003
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	23.0	62.6	16	0.004
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	OFFICE - LARGE	2,753	55%	23.0	62.6	109	0.022
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	OFFICE - SMALL	1,384	29%	23.0	62.6	55	0.011
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	RESTAURANT - FAST-FOOD	1,936	36%	23.0	62.6	77	0.014
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	RESTAURANT - SIT-DOWN	1,303	23%	23.0	62.6	52	0.009
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	RETAIL - MULTISTORY LARGE	1,478	24%	23.0	62.6	59	0.010
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	RETAIL - SINGLE-STORY LARGE	1,435	30%	23.0	62.6	57	0.012
CFL	SCE2511	SCREW-IN COMPACT FLUORESCENT LAMP, >27 WATTS W/ REFLECTOR (R40)	RETAIL - SMALL	1,448	22%	23.0	62.6	57	0.009
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	ASSEMBLY	827	7%	20.2	61.6	34	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	AVERAGE	1,142	8%	20.2	61.6	47	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - COMMUNITY COLLEGE	1,987	7%	20.2	61.6	82	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - PRIMARY SCHOOL	3,404	8%	20.2	61.6	141	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - SECONDARY SCHOOL	2,773	40%	20.2	61.6	115	0.016
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	EDUCATION - UNIVERSITY	2,773	40%	20.2	61.6	115	0.016
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	GROCERY	2,778	24%	20.2	61.6	115	0.010
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	HEALTH/MEDICAL - HOSPITAL	1,754	16%	20.2	61.6	73	0.006
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	HEALTH/MEDICAL - NURSING HOME	1,222	28%	20.2	61.6	51	0.012
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	LODGING	709	5%	20.2	61.6	29	0.002
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	20.2	61.6	17	0.004
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	OFFICE - LARGE	1,556	18%	20.2	61.6	64	0.007
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	OFFICE - SMALL	1,292	41%	20.2	61.6	54	0.017
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	20.2	61.6	80	0.015
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	20.2	61.6	57	0.009
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RETAIL - SINGLE-STORY LARGE	5,494	86%	20.2	61.6	227	0.036
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	RETAIL - SMALL	1,496	24%	20.2	61.6	62	0.010
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	STORAGE - CONDITIONED	2,287	39%	20.2	61.6	95	0.016
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS	STORAGE - UNCONDITIONED	3,114	66%	20.2	61.6	129	0.027
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	ASSEMBLY	827	7%	14.9	59.5	37	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	AVERAGE	1,142	8%	14.9	59.5	51	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	EDUCATION - COMMUNITY COLLEGE	1,987	7%	14.9	59.5	89	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	EDUCATION - PRIMARY SCHOOL	3,404	8%	14.9	59.5	152	0.003



HIM	eeegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	HEALTH/MEDICAL - HOSPITAL	1,754	16%	14.9	59.5	78	0.007
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	LODGING	709	5%	14.9	59.5	32	0.002
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	14.9	59.5	19	0.005
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	OFFICE - LARGE	1,556	18%	14.9	59.5	69	0.008
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	OFFICE - SMALL	1,292	41%	14.9	59.5	58	0.018
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	RESTAURANT - FAST-FOOD	1,936	36%	14.9	59.5	86	0.016
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	RESTAURANT - SIT-DOWN	1,371	21%	14.9	59.5	61	0.010
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	RETAIL - MULTISTORY LARGE	1,478	24%	14.9	59.5	66	0.011
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	RETAIL - SINGLE-STORY LARGE	5,494	86%	14.9	59.5	245	0.038
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	RETAIL - SMALL	1,496	24%	14.9	59.5	67	0.011
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	STORAGE - CONDITIONED	2,287	39%	14.9	59.5	102	0.017
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-26 WATTS REFLECTOR LAMP	STORAGE - UNCONDITIONED	3,114	66%	14.9	59.5	139	0.030
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	ASSEMBLY	827	7%	14.5	59.3	37	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	AVERAGE	1,142	8%	14.5	59.3	51	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	EDUCATION - PRIMARY SCHOOL	3,404	8%	14.5	59.3	152	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	EDUCATION - UNIVERSITY	2,773	40%	14.5	59.3	124	0.018
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	GROCERY	2,778	24%	14.5	59.3	124	0.011
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	HEALTH/MEDICAL - HOSPITAL	1,754	16%	14.5	59.3	79	0.007
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	LODGING	709	5%	14.5	59.3	32	0.002
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	14.5	59.3	19	0.005
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	OFFICE - LARGE	1,556	18%	14.5	59.3	70	0.008
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	OFFICE - SMALL	1,292	41%	14.5	59.3	58	0.018
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	RESTAURANT - FAST-FOOD	1,936	36%	14.5	59.3	87	0.016
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	RESTAURANT - SIT-DOWN	1,371	21%	14.5	59.3	61	0.010
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	RETAIL - SINGLE-STORY LARGE	5,494	86%	14.5	59.3	246	0.039
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	RETAIL - SMALL	1,496	24%	14.5	59.3	67	0.011
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	STORAGE - CONDITIONED	2,287	39%	14.5	59.3	102	0.017
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 14-28 WATTS WITH REFLECTOR	STORAGE - UNCONDITIONED	3,114	66%	14.5	59.3	139	0.030
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	AVERAGE	1,142	8%	11.7	53.2	47	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	EDUCATION - PRIMARY SCHOOL	3,404	8%	11.7	53.2	141	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	EDUCATION - SECONDARY SCHOOL	2,773	40%	11.7	53.2	115	0.016
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	EDUCATION - UNIVERSITY	2,773	40%	11.7	53.2	115	0.016
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	HEALTH/MEDICAL - HOSPITAL	1,754	16%	11.7	53.2	73	0.006
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	LODGING	709	5%	11.7	53.2	29	0.002
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	11.7	53.2	17	0.004
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	OFFICE - LARGE	1,556	18%	11.7	53.2	64	0.007
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	OFFICE - SMALL	1,292	41%	11.7	53.2	54	0.017
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RESTAURANT - FAST-FOOD	1,936	36%	11.7	53.2	80	0.015
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RESTAURANT - SIT-DOWN	1,371	21%	11.7	53.2	57	0.009
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RETAIL - SINGLE-STORY LARGE	5,494	86%	11.7	53.2	228	0.036
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, 5 - 13 WATTS	RETAIL - SMALL	1,496	24%	11.7	53.2	62	0.010
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	ASSEMBLY	827	7%	27.0	73.5	38	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	AVERAGE	1,142	8%	27.0	73.5	53	0.004
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	EDUCATION - COMMUNITY COLLEGE	1,987	7%	27.0	73.5	92	0.003
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	EDUCATION - PRIMARY SCHOOL	3,404	8%	27.0	73.5	158	0.004
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	EDUCATION - SECONDARY SCHOOL	2,773	40%	27.0	73.5	129	0.019
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	EDUCATION - UNIVERSITY	2,773	40%	27.0	73.5	129	0.019
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	HEALTH/MEDICAL - HOSPITAL	1,754	16%	27.0	73.5	82	0.007
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	LODGING	709	5%	27.0	73.5	33	0.002
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	27.0	73.5	19	0.005
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	OFFICE - LARGE	1,556	18%	27.0	73.5	72	0.008
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	OFFICE - SMALL	1,292	41%	27.0	73.5	60	0.019
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	RESTAURANT - FAST-FOOD	1,936	36%	27.0	73.5	90	0.017
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	RESTAURANT - SIT-DOWN	1,371	21%	27.0	73.5	64	0.010
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	RETAIL - SINGLE-STORY LARGE	5,494	86%	27.0	73.5	255	0.040
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	RETAIL - SMALL	1,496	24%	27.0	73.5	70	0.011
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	STORAGE - CONDITIONED	2,287	39%	27.0	73.5	106	0.018
CFL	SCE2517	SCREW-IN COMPACT FLUORESCENT LAMP, >=27WATTS	STORAGE - UNCONDITIONED	3,114	66%	27.0	73.5	145	0.031
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP		699	5%	15.0	59.5	31	0.002
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	ASSEMBLY	827	7%	15.0	59.5	37	0.003
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	AVERAGE	1,409	9%	15.0	59.5	63	0.004
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	EDUCATION - SECONDARY SCHOOL	699	5%	15.0	59.5	31	0.002
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	HEALTH/MEDICAL - HOSPITAL	2,294	25%	15.0	59.5	102	0.011
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	HEALTH/MEDICAL - NURSING HOME	1,222	28%	15.0	59.5	54	0.013
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	LODGING	693	5%	15.0	59.5	31	0.002
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	15.0	59.5	18	0.005
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	OFFICE - SMALL	1,503	25%	15.0	59.5	67	0.011
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	RESTAURANT - FAST-FOOD	1,936	36%	15.0	59.5	86	0.016

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	RETAIL - SINGLE-STORY LARGE	5,056	80%	15.0	59.5	225	0.036
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	RETAIL - SMALL	2,079	37%	15.0	59.5	93	0.017
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT LAMP	STORAGE - UNCONDITIONED	2,551	55%	15.0	59.5	114	0.024
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP		699	5%	15.0	59.5	31	0.002
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	ASSEMBLY	827	7%	15.0	59.5	37	0.003
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	AVERAGE	1,409	9%	15.0	59.5	63	0.004
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	HEALTH/MEDICAL - NURSING HOME	1,222	28%	15.0	59.5	54	0.013
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	LODGING	693	5%	15.0	59.5	31	0.002
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	15.0	59.5	18	0.005
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	OFFICE - SMALL	1,503	25%	15.0	59.5	67	0.011
CFL	SDGE3012	LIGHTING - SCREW IN 14-26 WATT REFLECTOR LAMP	RESTAURANT - FAST-FOOD	1,936	36%	15.0	59.5	86	0.016
CFL	SDGE3012	LIGHTING - SCREW IN 5- 13 WATT LAMP	EDUCATION - SECONDARY SCHOOL	699	5%	23.0	62.6	28	0.002
CFL	SDGE3012	LIGHTING - SCREW IN 5- 13 WATT LAMP	LODGING	693	5%	23.0	62.6	27	0.002
CFL	SDGE3012	LIGHTING - SCREW IN >27 WATT LAMP	ASSEMBLY	827	7%	26.1	71.2	37	0.003
CFL	SDGE3012	LIGHTING - SCREW IN >27 WATT LAMP	HEALTH/MEDICAL - NURSING HOME	1,222	28%	26.1	71.2	55	0.013
CFL	SDGE3012	LIGHTING - SCREW IN >27 WATT LAMP	LODGING	693	5%	26.1	71.2	31	0.002
CFL	SDGE3012	LIGHTING - SCREW IN >27 WATT LAMP	OFFICE - SMALL	1,503	25%	26.1	71.2	68	0.011
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP		699	5%	26.9	73.3	32	0.002
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	AVERAGE	1,409	9%	26.9	73.3	65	0.004
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	EDUCATION - SECONDARY SCHOOL	699	5%	26.9	73.3	32	0.002
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	HEALTH/MEDICAL - HOSPITAL	2,294	25%	26.9	73.3	106	0.012
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	HEALTH/MEDICAL - NURSING HOME	1,222	28%	26.9	73.3	57	0.013
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	LODGING	693	5%	26.9	73.3	32	0.002
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	26.9	73.3	19	0.005
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	RESTAURANT - FAST-FOOD	1,936	36%	26.9	73.3	90	0.017
CFL	SDGE3012	LIGHTING - SCREW IN >= 27 WATT LAMP	RETAIL - SMALL	2,079	37%	26.9	73.3	96	0.017
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	ASSEMBLY	1,546	8%	15.0	59.5	69	0.004
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	EDUCATION - COMMUNITY COLLEGE	1,987	8%	15.0	59.5	88	0.004
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	EDUCATION - PRIMARY SCHOOL	2,919	13%	15.0	59.5	130	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	EDUCATION - SECONDARY SCHOOL	1,166	12%	15.0	59.5	52	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	GROCERY	2,778	24%	15.0	59.5	124	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	LODGING	749	6%	15.0	59.5	33	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	15.0	59.5	18	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	OFFICE - LARGE	371	14%	15.0	59.5	17	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	OFFICE - SMALL	980	16%	15.0	59.5	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	RESTAURANT - FAST-FOOD	1,936	36%	15.0	59.5	86	0.016
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	RESTAURANT - SIT-DOWN	3,157	8%	15.0	59.5	141	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	RETAIL - SINGLE-STORY LARGE	1,232	23%	15.0	59.5	55	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	RETAIL - SMALL	1,127	25%	15.0	59.5	50	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP	STORAGE - UNCONDITIONED	580	14%	15.0	59.5	26	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	ASSEMBLY	1,546	8%	17.7	60.6	66	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	AVERAGE	2,223	13%	17.7	60.6	95	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	EDUCATION - SECONDARY SCHOOL	1,166	12%	17.7	60.6	50	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	GROCERY	2,778	24%	17.7	60.6	119	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	HEALTH/MEDICAL - HOSPITAL	2,294	25%	17.7	60.6	99	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	LODGING	749	6%	17.7	60.6	32	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	17.7	60.6	18	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	OFFICE - LARGE	371	14%	17.7	60.6	16	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	OFFICE - SMALL	980	16%	17.7	60.6	42	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	RESTAURANT - FAST-FOOD	1,936	36%	17.7	60.6	83	0.015
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	RESTAURANT - SIT-DOWN	3,157	8%	17.7	60.6	136	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	RETAIL - SINGLE-STORY LARGE	1,232	23%	17.7	60.6	53	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	RETAIL - SMALL	1,127	25%	17.7	60.6	48	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR1	STORAGE - UNCONDITIONED	580	14%	17.7	60.6	25	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	ASSEMBLY	1,546	8%	16.0	60.2	68	0.004
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	AVERAGE	2,223	13%	16.0	60.2	98	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	EDUCATION - SECONDARY SCHOOL	1,166	12%	16.0	60.2	52	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	16.0	60.2	18	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	OFFICE - LARGE	371	14%	16.0	60.2	16	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	OFFICE - SMALL	980	16%	16.0	60.2	43	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	RESTAURANT - SIT-DOWN	3,157	8%	16.0	60.2	140	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	RETAIL - SINGLE-STORY LARGE	1,232	23%	16.0	60.2	54	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	RETAIL - SMALL	1,127	25%	16.0	60.2	50	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR2	STORAGE - UNCONDITIONED	580	14%	16.0	60.2	26	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR3	ASSEMBLY	1,546	8%	15.0	59.5	69	0.004
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR3	AVERAGE	2,223	13%	15.0	59.5	99	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR3	EDUCATION - SECONDARY SCHOOL	1,166	12%	15.0	59.5	52	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR3	OFFICE - LARGE	371	14%	15.0	59.5	17	0.006

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR3	OFFICE - SMALL	980	16%	15.0	59.5	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT LAMP - TR3	RETAIL - SMALL	1,127	25%	15.0	59.5	50	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	ASSEMBLY	1,546	8%	15.0	59.5	69	0.004
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	EDUCATION - PRIMARY SCHOOL	2,919	13%	15.0	59.5	130	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	GROCERY	2,778	24%	15.0	59.5	124	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	HEALTH/MEDICAL - NURSING HOME	1,222	28%	15.0	59.5	54	0.013
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	15.0	59.5	18	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	OFFICE - LARGE	371	14%	15.0	59.5	17	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	OFFICE - SMALL	980	16%	15.0	59.5	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	RESTAURANT - FAST-FOOD	1,936	36%	15.0	59.5	86	0.016
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	RESTAURANT - SIT-DOWN	3,157	8%	15.0	59.5	141	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	RETAIL - SINGLE-STORY LARGE	1,232	23%	15.0	59.5	55	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	RETAIL - SMALL	1,127	25%	15.0	59.5	50	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	STORAGE - CONDITIONED	2,287	39%	15.0	59.5	102	0.017
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP	STORAGE - UNCONDITIONED	580	14%	15.0	59.5	26	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	ASSEMBLY	1,546	8%	15.0	59.5	69	0.004
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	AVERAGE	2,223	13%	15.0	59.5	99	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	LODGING	749	6%	15.0	59.5	33	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	15.0	59.5	18	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	OFFICE - SMALL	980	16%	15.0	59.5	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	RESTAURANT - FAST-FOOD	1,936	36%	15.0	59.5	86	0.016
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	RESTAURANT - SIT-DOWN	3,157	8%	15.0	59.5	141	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	RETAIL - SINGLE-STORY LARGE	1,232	23%	15.0	59.5	55	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	RETAIL - SMALL	1,127	25%	15.0	59.5	50	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR1	STORAGE - UNCONDITIONED	580	14%	15.0	59.5	26	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR2	AVERAGE	2,223	13%	15.0	59.5	99	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR2	HEALTH/MEDICAL - HOSPITAL	2,294	25%	15.0	59.5	102	0.011
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR2	OFFICE - SMALL	980	16%	15.0	59.5	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR3	ASSEMBLY	1,546	8%	15.0	59.5	69	0.004
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR3	EDUCATION - SECONDARY SCHOOL	1,166	12%	15.0	59.5	52	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR3	OFFICE - SMALL	980	16%	15.0	59.5	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN 14-26 WATT REFLECTOR LAMP-TR3	STORAGE - UNCONDITIONED	580	14%	15.0	59.5	26	0.006
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP	RESTAURANT - SIT-DOWN	3,157	8%	23.0	62.6	125	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP	RETAIL - SMALL	1,127	25%	23.0	62.6	45	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	ASSEMBLY	1,546	8%	23.0	62.6	61	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	GROCERY	2,778	24%	23.0	62.6	110	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	LODGING	749	6%	23.0	62.6	30	0.002
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	RESTAURANT - FAST-FOOD	1,936	36%	23.0	62.6	77	0.014
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	RESTAURANT - SIT-DOWN	3,157	8%	23.0	62.6	125	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	RETAIL - SINGLE-STORY LARGE	1,232	23%	23.0	62.6	49	0.009
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR1	RETAIL - SMALL	1,127	25%	23.0	62.6	45	0.010
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR2	AVERAGE	2,223	13%	23.0	62.6	88	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR2	OFFICE - LARGE	371	14%	23.0	62.6	15	0.005
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR3	ASSEMBLY	1,546	8%	23.0	62.6	61	0.003
CFL	SDGE3020	LIGHTING-SCREW IN 5- 13 WATT LAMP - TR3	EDUCATION - SECONDARY SCHOOL	1,166	12%	23.0	62.6	46	0.005
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	ASSEMBLY	1,546	8%	26.1	71.2	70	0.004
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	AVERAGE	2,223	13%	26.1	71.2	100	0.006
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	EDUCATION - COMMUNITY COLLEGE	1,987	8%	26.1	71.2	90	0.004
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	EDUCATION - SECONDARY SCHOOL	1,166	12%	26.1	71.2	53	0.006
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	GROCERY	2,778	24%	26.1	71.2	125	0.011
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	HEALTH/MEDICAL - HOSPITAL	2,294	25%	26.1	71.2	103	0.011
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	HEALTH/MEDICAL - NURSING HOME	1,222	28%	26.1	71.2	55	0.013
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	LODGING	749	6%	26.1	71.2	34	0.003
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	26.1	71.2	19	0.005
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	OFFICE - LARGE	371	14%	26.1	71.2	17	0.006
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	OFFICE - SMALL	980	16%	26.1	71.2	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	RESTAURANT - FAST-FOOD	1,936	36%	26.1	71.2	87	0.016
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	RESTAURANT - SIT-DOWN	3,157	8%	26.1	71.2	142	0.003
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	RETAIL - SINGLE-STORY LARGE	1,232	23%	26.1	71.2	56	0.010
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	RETAIL - SMALL	1,127	25%	26.1	71.2	51	0.011
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	STORAGE - CONDITIONED	2,287	39%	26.1	71.2	103	0.017
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP	STORAGE - UNCONDITIONED	580	14%	26.1	71.2	26	0.006
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	AVERAGE	2,223	13%	27.0	73.5	103	0.006
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	GROCERY	2,778	24%	27.0	73.5	129	0.011
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	LODGING	749	6%	27.0	73.5	35	0.003
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	27.0	73.5	19	0.005
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	OFFICE - SMALL	980	16%	27.0	73.5	46	0.007
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	RESTAURANT - FAST-FOOD	1,936	36%	27.0	73.5	90	0.017

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	RETAIL - SINGLE-STORY LARGE	1,232	23%	27.0	73.5	57	0.011
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	RETAIL - SMALL	1,127	25%	27.0	73.5	52	0.011
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	STORAGE - CONDITIONED	2,287	39%	27.0	73.5	106	0.018
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR1	STORAGE - UNCONDITIONED	580	14%	27.0	73.5	27	0.007
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR2	MANUFACTURING - LIGHT INDUSTRIAL	415	11%	26.1	71.2	19	0.005
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR2	OFFICE - SMALL	980	16%	26.1	71.2	44	0.007
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR2	RETAIL - SMALL	1,127	25%	26.1	71.2	51	0.011
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR2	STORAGE - UNCONDITIONED	580	14%	26.1	71.2	26	0.006
CFL	SDGE3020	LIGHTING-SCREW IN >27 WATT LAMP - TR3	AVERAGE	2,223	13%	26.1	71.2	100	0.006
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	ASSEMBLY	2,338	74%	172.3	358.7	436	0.139
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	AVERAGE	3,601	64%	172.3	358.7	671	0.119
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	AVERAGE BLDGTYPE - PGE2080	3,601	64%	172.3	358.7	671	0.119
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	EDUCATION - COMMUNITY COLLEGE	3,241	63%	172.3	358.7	604	0.118
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	EDUCATION - PRIMARY SCHOOL	2,338	74%	172.3	358.7	436	0.139
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	EDUCATION - SECONDARY SCHOOL	3,241	63%	172.3	358.7	604	0.118
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	GROCERY	1,979	56%	172.3	358.7	369	0.104
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	LODGING - HOTEL	1,979	56%	172.3	358.7	369	0.104
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	MANUFACTURING - LIGHT INDUSTRIAL	3,266	64%	172.3	358.7	609	0.120
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	OFFICE - LARGE	3,601	64%	172.3	358.7	671	0.119
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	OFFICE - SMALL	2,338	74%	172.3	358.7	436	0.139
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	RETAIL - MULTISTORY LARGE	3,601	64%	172.3	358.7	671	0.119
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	RETAIL - SINGLE-STORY LARGE	2,338	74%	172.3	358.7	436	0.139
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	RETAIL - SMALL	3,184	63%	172.3	358.7	593	0.117
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	STORAGE - CONDITIONED	2,887	60%	172.3	358.7	538	0.113
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, > 400 <= 600	STORAGE - UNCONDITIONED	3,242	62%	172.3	358.7	604	0.115
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	ASSEMBLY	2,338	74%	231.2	378.2	344	0.109
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	AVERAGE	3,601	64%	231.2	378.2	529	0.094
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	AVERAGE BLDGTYPE - PGE2080	3,601	64%	231.2	378.2	529	0.094
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	EDUCATION - COMMUNITY COLLEGE	3,241	63%	231.2	378.2	476	0.093
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	EDUCATION - PRIMARY SCHOOL	2,338	74%	231.2	378.2	344	0.109
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	EDUCATION - SECONDARY SCHOOL	3,241	63%	231.2	378.2	476	0.093
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	GROCERY	1,979	56%	231.2	378.2	291	0.082
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	HEALTH/MEDICAL - HOSPITAL	3,241	63%	231.2	378.2	476	0.093
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	LODGING	1,979	56%	231.2	378.2	291	0.082
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	LODGING - HOTEL	1,979	56%	231.2	378.2	291	0.082
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	LODGING - MOTEL	1,979	56%	231.2	378.2	291	0.082
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	MANUFACTURING - LIGHT INDUSTRIAL	3,266	64%	231.2	378.2	480	0.095
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	OFFICE - LARGE	3,601	64%	231.2	378.2	529	0.094
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	OFFICE - SMALL	2,338	74%	231.2	378.2	344	0.109
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	RESTAURANT - FAST-FOOD	3,241	63%	231.2	378.2	476	0.093
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	RETAIL - MULTISTORY LARGE	3,601	64%	231.2	378.2	529	0.094
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	RETAIL - SINGLE-STORY LARGE	2,338	74%	231.2	378.2	344	0.109
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	RETAIL - SMALL	3,184	63%	231.2	378.2	468	0.093
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	STORAGE - CONDITIONED	2,887	60%	231.2	378.2	424	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-1 400 < 244	STORAGE - UNCONDITIONED	3,242	62%	231.2	378.2	477	0.091
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	ASSEMBLY	2,338	74%	218.5	358.7	328	0.104
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	AVERAGE	3,601	64%	218.5	358.7	505	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	AVERAGE BLDGTYPE - PGE2080	3,601	64%	218.5	358.7	505	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	EDUCATION - PRIMARY SCHOOL	2,338	74%	218.5	358.7	328	0.104
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	EDUCATION - SECONDARY SCHOOL	3,241	63%	218.5	358.7	454	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	GROCERY	1,979	56%	218.5	358.7	277	0.078
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	HEALTH/MEDICAL - NURSING HOME	3,241	63%	218.5	358.7	454	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	MANUFACTURING - LIGHT INDUSTRIAL	3,266	64%	218.5	358.7	458	0.090
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	OFFICE - LARGE	3,601	64%	218.5	358.7	505	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	OFFICE - SMALL	2,338	74%	218.5	358.7	328	0.104
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	RESTAURANT - FAST-FOOD	3,241	63%	218.5	358.7	454	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	RETAIL - MULTISTORY LARGE	3,601	64%	218.5	358.7	505	0.089
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	RETAIL - SINGLE-STORY LARGE	2,338	74%	218.5	358.7	328	0.104
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	RETAIL - SMALL	3,184	63%	218.5	358.7	446	0.088
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	STORAGE - CONDITIONED	2,887	60%	218.5	358.7	405	0.085
HIGHBAY	PGE2080	HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, TIER-2 400 <= 360	STORAGE - UNCONDITIONED	3,242	62%	218.5	358.7	454	0.087
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	EDUCATION - SECONDARY SCHOOL	2,869	61%	196.9	358.7	464	0.099
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	MANUFACTURING - LIGHT INDUSTRIAL	3,324	66%	196.9	358.7	538	0.107
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	OFFICE - SMALL	3,601	64%	196.9	358.7	583	0.103
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	RETAIL - SINGLE-STORY LARGE	2,869	61%	196.9	358.7	464	0.099
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	RETAIL - SMALL	2,540	59%	196.9	358.7	411	0.095
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	STORAGE - CONDITIONED	2,869	61%	196.9	358.7	464	0.099
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR1	STORAGE - UNCONDITIONED	3,137	61%	196.9	358.7	508	0.099

HIM	eegeCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR2	ASSEMBLY	2,869	61%	218.5	358.7	402	0.085
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR2	MANUFACTURING - LIGHT INDUSTRIAL	3,324	66%	218.5	358.7	466	0.093
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR2	OFFICE - SMALL	3,601	64%	218.5	358.7	505	0.089
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR2	RETAIL - SMALL	2,540	59%	218.5	358.7	356	0.083
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR2	STORAGE - UNCONDITIONED	3,137	61%	218.5	358.7	440	0.086
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR3	EDUCATION - SECONDARY SCHOOL	2,869	61%	218.5	358.7	402	0.085
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR3	MANUFACTURING - LIGHT INDUSTRIAL	3,324	66%	218.5	358.7	466	0.093
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR3	RETAIL - SINGLE-STORY LARGE	2,869	61%	218.5	358.7	402	0.085
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR3	RETAIL - SMALL	2,540	59%	218.5	358.7	356	0.083
HIGHBAY	SDGE3020	LIGHTING-HI OTPT 4/6 LMP T5/T8 FXTR,HI BAY APP-TR3	STORAGE - CONDITIONED	2,869	61%	218.5	358.7	402	0.085
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	AVERAGE	2,853	62%	172.8	770.6	1,705	0.372
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	MANUFACTURING - LIGHT INDUSTRIAL	3,324	66%	172.8	770.6	1,987	0.395
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	OFFICE - SMALL	3,601	64%	172.8	770.6	2,153	0.381
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	RETAIL - SINGLE-STORY LARGE	2,869	61%	172.8	770.6	1,715	0.364
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	RETAIL - SMALL	2,540	59%	172.8	770.6	1,519	0.352
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	STORAGE - CONDITIONED	2,869	61%	172.8	770.6	1,715	0.364
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR1	STORAGE - UNCONDITIONED	3,137	61%	172.8	770.6	1,876	0.367
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	AVERAGE	2,853	62%	223.4	379.3	445	0.097
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	EDUCATION - SECONDARY SCHOOL	2,869	61%	223.4	379.3	447	0.095
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	GROCERY	2,869	61%	223.4	379.3	447	0.095
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	MANUFACTURING - LIGHT INDUSTRIAL	3,324	66%	223.4	379.3	518	0.103
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	OFFICE - SMALL	3,601	64%	223.4	379.3	561	0.099
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	RETAIL - SMALL	2,540	59%	223.4	379.3	396	0.092
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR2	STORAGE - UNCONDITIONED	3,137	61%	223.4	379.3	489	0.096
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR3	AVERAGE	2,853	62%	164.0	379.3	614	0.134
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR3	OFFICE - SMALL	3,601	64%	164.0	379.3	775	0.137
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR3	STORAGE - UNCONDITIONED	3,137	61%	164.0	379.3	675	0.132
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR3	RETAIL - SINGLE-STORY LARGE	2,869	61%	164.0	379.3	618	0.131
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR3	RETAIL - SMALL	2,540	59%	164.0	379.3	547	0.127
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR600W RPLC>400TR3	STORAGE - UNCONDITIONED	3,137	61%	164.0	379.3	675	0.132
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	ASSEMBLY	2,869	61%	224.5	460.4	677	0.144
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	AVERAGE	2,853	62%	224.5	460.4	673	0.147
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	EDUCATION - COMMUNITY COLLEGE	2,869	61%	224.5	460.4	677	0.144
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	MANUFACTURING - LIGHT INDUSTRIAL	3,324	66%	224.5	460.4	784	0.156
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	OFFICE - LARGE	2,869	61%	224.5	460.4	677	0.144
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	OFFICE - SMALL	3,601	64%	224.5	460.4	849	0.150
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	RETAIL - SINGLE-STORY LARGE	2,869	61%	224.5	460.4	677	0.144
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	RETAIL - SMALL	2,540	59%	224.5	460.4	599	0.139
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR1	STORAGE - UNCONDITIONED	3,137	61%	224.5	460.4	740	0.145
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	ASSEMBLY	2,869	61%	224.4	458.0	670	0.142
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	AVERAGE	2,853	62%	224.4	458.0	666	0.145
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	LODGING	2,869	61%	224.4	458.0	670	0.142
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	MANUFACTURING - LIGHT INDUSTRIAL	3,324	66%	224.4	458.0	776	0.154
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	OFFICE - SMALL	3,601	64%	224.4	458.0	841	0.149
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	RETAIL - SINGLE-STORY LARGE	2,869	61%	224.4	458.0	670	0.142
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	RETAIL - SMALL	2,540	59%	224.4	458.0	593	0.138
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR2	STORAGE - UNCONDITIONED	3,137	61%	224.4	458.0	733	0.143
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR3	AVERAGE	2,853	62%	164.0	379.3	614	0.134
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR3	OFFICE - SMALL	3,601	64%	164.0	379.3	775	0.137
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR3	RETAIL - SINGLE-STORY LARGE	2,869	61%	164.0	379.3	618	0.131
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR3	RETAIL - SMALL	2,540	59%	164.0	379.3	547	0.127
HIGHBAY	SDGE3020	LIGHTING-INTR HIBY LNR FLRSCNTFXTR244WRPLC400W(TRI)TR3	STORAGE - UNCONDITIONED	3,137	61%	164.0	379.3	675	0.132
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400 BC UP TO 360W REPLACEMENT	AVERAGE	2,182	57%	164.0	379.3	470	0.122
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400 BC UP TO 360W REPLACEMENT	EDUCATION - PRIMARY SCHOOL	2,338	74%	164.0	379.3	503	0.160
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400 BC UP TO 360W REPLACEMENT	MANUFACTURING - LIGHT INDUSTRIAL	3,437	64%	164.0	379.3	740	0.138
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400 BC UP TO 360W REPLACEMENT	RETAIL - SINGLE-STORY LARGE	2,338	74%	164.0	379.3	503	0.160
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400 BC UP TO 360W REPLACEMENT	STORAGE - CONDITIONED	2,887	60%	164.0	379.3	622	0.130
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400 BC UP TO 360W REPLACEMENT	STORAGE - UNCONDITIONED	2,074	55%	164.0	379.3	446	0.119
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400-1000 BC 361-600W REPLACEMENT	EDUCATION - SECONDARY SCHOOL	2,766	64%	164.0	379.3	596	0.137
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400-1000 BC 361-600W REPLACEMENT	MANUFACTURING - LIGHT INDUSTRIAL	3,437	64%	164.0	379.3	740	0.138
HighBay	SCE2517	INTERIOR HIGH BAY FIXTURE > 400-1000 BC 361-600W REPLACEMENT	STORAGE - CONDITIONED	2,887	60%	164.0	379.3	622	0.130
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	AVERAGE	2,182	57%	222.1	418.4	428	0.111
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	EDUCATION - PRIMARY SCHOOL	2,338	74%	222.1	418.4	459	0.146
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	EDUCATION - SECONDARY SCHOOL	2,766	64%	222.1	418.4	543	0.125
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	GROCERY	1,979	56%	222.1	418.4	388	0.109
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	HEALTH/MEDICAL - HOSPITAL	2,766	64%	222.1	418.4	543	0.125
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	LODGING	1,979	56%	222.1	418.4	388	0.109
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	MANUFACTURING - LIGHT INDUSTRIAL	3,437	64%	222.1	418.4	675	0.126

HIM	eeegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	OFFICE - LARGE	3,601	64%	222.1	418.4	707	0.125
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	OFFICE - SMALL	2,892	70%	222.1	418.4	568	0.137
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	RETAIL - SINGLE-STORY LARGE	2,338	74%	222.1	418.4	459	0.146
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	RETAIL - SMALL	3,211	63%	222.1	418.4	630	0.124
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	STORAGE - CONDITIONED	2,887	60%	222.1	418.4	567	0.119
HighBay	SCE2517	INTERIOR HIGH OUTPUT 4-6 LAMP FIXTURES T-8'S OR T-5'S	STORAGE - UNCONDITIONED	2,074	55%	222.1	418.4	407	0.109
HighBay	SDGE3012	LIGHTING - HIGH OUTPUT 4 OR 6 LAMP T5 OR T8 FIXTURE (HIGH BAY APPLICATIONS)	EDUCATION - SECONDARY SCHOOL	3,601	64%	196.9	208.5	42	0.007
HighBay	SDGE3012	LIGHTING - HIGH OUTPUT 4 OR 6 LAMP T5 OR T8 FIXTURE (HIGH BAY APPLICATIONS)	MANUFACTURING - LIGHT INDUSTRIAL	3,347	64%	196.9	208.5	39	0.007
HighBay	SDGE3012	LIGHTING - HIGH OUTPUT 4 OR 6 LAMP T5 OR T8 FIXTURE (HIGH BAY APPLICATIONS)	OFFICE - SMALL	2,739	71%	196.9	208.5	32	0.008
HighBay	SDGE3012	LIGHTING - HIGH OUTPUT 4 OR 6 LAMP T5 OR T8 FIXTURE (HIGH BAY APPLICATIONS)	RETAIL - SMALL	3,601	64%	196.9	208.5	42	0.007
HighBay	SDGE3012	LIGHTING - HIGH OUTPUT 4 OR 6 LAMP T5 OR T8 FIXTURE (HIGH BAY APPLICATIONS)	STORAGE - UNCONDITIONED	2,795	59%	196.9	208.5	32	0.007
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 360 WATTS REPLACIN ASSEMBLY		2,338	74%	164.0	379.3	503	0.160
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 360 WATTS REPLACIN MANUFACTURING - LIGHT INDUSTRIAL		3,347	64%	164.0	379.3	721	0.139
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 360 WATTS REPLACIN OFFICE - SMALL		2,739	71%	164.0	379.3	590	0.153
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 360 WATTS REPLACIN RETAIL - SMALL		3,601	64%	164.0	379.3	775	0.137
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 360 WATTS REPLACIN STORAGE - UNCONDITIONED		2,795	59%	164.0	379.3	602	0.128
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACING > 400 WATTS		-	0%	201.1	379.3	-	-
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII ASSEMBLY		2,338	74%	201.1	379.3	417	0.133
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII AVERAGE		3,400	63%	201.1	379.3	606	0.112
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII EDUCATION - SECONDARY SCHOOL		3,601	64%	201.1	379.3	642	0.113
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII GROCERY		1,979	56%	201.1	379.3	353	0.099
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII MANUFACTURING - LIGHT INDUSTRIAL		3,347	64%	201.1	379.3	596	0.115
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII OFFICE - LARGE		3,601	64%	201.1	379.3	642	0.113
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII OFFICE - SMALL		2,739	71%	201.1	379.3	488	0.127
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES 361-600 WATTS REPLACII RETAIL - SMALL		3,601	64%	201.1	379.3	642	0.113
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACING 400 WATTS (TIER 1)		-	0%	188.7	450.7	-	-
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN ASSEMBLY		2,338	74%	188.7	450.7	613	0.195
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN AVERAGE		3,400	63%	188.7	450.7	891	0.164
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN EDUCATION - UNIVERSITY		3,601	64%	188.7	450.7	943	0.167
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN MANUFACTURING - LIGHT INDUSTRIAL		3,347	64%	188.7	450.7	877	0.169
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN OFFICE - SMALL		2,739	71%	188.7	450.7	718	0.186
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN RESTAURANT - SIT-DOWN		3,601	64%	188.7	450.7	943	0.167
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN RETAIL - SINGLE-STORY LARGE		2,338	74%	188.7	450.7	613	0.195
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN RETAIL - SMALL		3,601	64%	188.7	450.7	943	0.167
HighBay	SDGE3012	LIGHTING-INTERIOR HIGH BAY LINEAR FLUORESCENT FIXTURES <= 244 WATTS REPLACIN STORAGE - UNCONDITIONED		2,795	59%	188.7	450.7	732	0.156
Linear	PGE2016	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS		2,469	62%	75.7	109.9	85	0.022
Linear	PGE2016	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS		2,469	62%	90.9	379.3	712	0.180
Linear	PGE2016	MF - T-12 DELAMPING (2', 3', 4', OR 8' LAMP)		2,469	62%	-	40.9	101	0.026
Linear	PGE2016	MF-T-5 OR T-8 INT LAMPS W ELEC BALLASTS-4 FT 2 LAMPS - APT		2,469	62%	55.9	79.8	59	0.015
Linear	PGE2016	PREMIUM T-8/T-5 28W ELEC BALLAST REPLACE T12 40W MAGN BALLAST-4 FT 2 LAMP		2,469	62%	55.9	79.8	59	0.015
Linear	PGE2016	PREMIUM T-8/T-5 28W ELEC BALLAST REPLACE T12 40W MAGN BALLAST-4 FT 3 LAMP		2,469	62%	83.5	121.1	93	0.023
Linear	PGE2016	PREMIUM T-8/T-5 28W ELEC BALLAST REPLACE T12 40W MAGN BALLAST-4 FT 4 LAMP		2,469	62%	101.5	147.3	113	0.029
Linear	PGE2016	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST		2,469	62%	89.1	152.0	155	0.039
Linear	PGE2016	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 1 LAMP		2,469	62%	28.0	40.9	32	0.008
Linear	PGE2016	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP		2,469	62%	45.9	86.9	101	0.026
Linear	PGE2016	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP		2,469	62%	49.8	122.4	179	0.045
Linear	PGE2016	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP		2,469	62%	89.5	142.4	131	0.033
Linear	PGE2016	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT		2,469	62%	17.0	24.8	19	0.005
Linear	PGE2016	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT		2,469	62%	28.0	39.2	28	0.007
Linear	PGE2016	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED		2,469	62%	-	40.9	101	0.026
Linear	PGE2016	T5-T8 RETROFITS - INTERIOR		2,469	62%	-	-	-	-
Linear	PGE2017	MF-T-5 OR T-8 INT LAMPS W ELEC BALLASTS-4 FT 2 LAMPS - APT	RESIDENTIAL - SINGLE FAMILY	2,469	62%	55.9	79.8	59	0.015
Linear	PGE2017	MF-T-5 OR T-8 INT LAMPS W ELEC BALLASTS-4 FT 2 LAMPS - COM	RESIDENTIAL - SINGLE FAMILY	2,469	62%	55.9	79.8	59	0.015
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	ASSEMBLY	1,789	36%	89.1	152.0	113	0.022
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	AVERAGE	2,602	58%	89.1	152.0	164	0.036
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	AVERAGE BUILDING TYPE- PGE2017	2,602	58%	89.1	152.0	164	0.036
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	EDUCATION - PRIMARY SCHOOL	2,368	54%	89.1	152.0	149	0.034
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	EDUCATION - SECONDARY SCHOOL	1,222	24%	89.1	152.0	77	0.015
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	GROCERY	3,528	71%	89.1	152.0	222	0.045
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	HEALTH/MEDICAL - HOSPITAL	2,813	74%	89.1	152.0	177	0.047
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	HEALTH/MEDICAL - NURSING HOME	2,955	78%	89.1	152.0	186	0.049
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	LODGING	2,849	59%	89.1	152.0	179	0.037
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	LODGING - MOTEL	2,849	59%	89.1	152.0	179	0.037
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	OFFICE - LARGE	1,958	56%	89.1	152.0	123	0.035
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	OFFICE - SMALL	2,017	57%	89.1	152.0	127	0.036
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	RESTAURANT - FAST-FOOD	4,101	75%	89.1	152.0	258	0.047
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	RESTAURANT - SIT-DOWN	3,150	52%	89.1	152.0	198	0.033
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	RETAIL - MULTISTORY LARGE	2,630	75%	89.1	152.0	165	0.047

HIM	eeegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	RETAIL - SINGLE-STORY LARGE	2,670	75%	89.1	152.0	168	0.047
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	RETAIL - SMALL	2,402	66%	89.1	152.0	151	0.041
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	STORAGE - CONDITIONED	2,469	62%	89.1	152.0	155	0.039
Linear	PGE2017	PREMIUM T-8/T-5 4LAMP 28W 2BALLAST REPALCE OF 4LAMP 40W 2BALLAST	STORAGE - UNCONDITIONED	1,520	39%	89.1	152.0	96	0.024
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 1 LAMP	OFFICE - SMALL	2,017	57%	28.0	40.9	26	0.007
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	ASSEMBLY	1,789	36%	45.9	86.9	73	0.015
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	AVERAGE	2,602	58%	45.9	86.9	107	0.024
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	AVERAGE BUILDING TYPE- PGE2017	2,602	58%	45.9	86.9	107	0.024
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	EDUCATION - COMMUNITY COLLEGE	2,137	50%	45.9	86.9	88	0.020
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	EDUCATION - PRIMARY SCHOOL	2,368	54%	45.9	86.9	97	0.022
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	EDUCATION - SECONDARY SCHOOL	1,222	24%	45.9	86.9	50	0.010
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	GROCERY	3,528	71%	45.9	86.9	145	0.029
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	HEALTH/MEDICAL - HOSPITAL	2,813	74%	45.9	86.9	115	0.030
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	HEALTH/MEDICAL - NURSING HOME	2,955	78%	45.9	86.9	121	0.032
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	LODGING	2,849	59%	45.9	86.9	117	0.024
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	LODGING - HOTEL	2,849	59%	45.9	86.9	117	0.024
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	LODGING - MOTEL	2,849	59%	45.9	86.9	117	0.024
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	OFFICE - LARGE	1,958	56%	45.9	86.9	80	0.023
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	OFFICE - SMALL	2,017	57%	45.9	86.9	83	0.023
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	RESTAURANT - FAST-FOOD	4,101	75%	45.9	86.9	168	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	RESTAURANT - SIT-DOWN	3,150	52%	45.9	86.9	129	0.021
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	RETAIL - MULTISTORY LARGE	2,630	75%	45.9	86.9	108	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	RETAIL - SINGLE-STORY LARGE	2,670	75%	45.9	86.9	109	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	RETAIL - SMALL	2,402	66%	45.9	86.9	98	0.027
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	STORAGE - CONDITIONED	2,469	62%	45.9	86.9	101	0.026
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 2 LAMP	STORAGE - UNCONDITIONED	1,520	39%	45.9	86.9	62	0.016
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	ASSEMBLY	1,789	36%	49.8	122.4	130	0.026
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	AVERAGE BUILDING TYPE- PGE2017	2,602	58%	49.8	122.4	189	0.042
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	GROCERY	3,528	71%	49.8	122.4	256	0.052
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	HEALTH/MEDICAL - NURSING HOME	2,955	78%	49.8	122.4	215	0.056
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	OFFICE - LARGE	1,958	56%	49.8	122.4	142	0.041
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	OFFICE - SMALL	2,017	57%	49.8	122.4	146	0.041
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	RESTAURANT - FAST-FOOD	4,101	75%	49.8	122.4	298	0.054
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	RETAIL - SINGLE-STORY LARGE	2,670	75%	49.8	122.4	194	0.055
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 3 LAMP	RETAIL - SMALL	2,402	66%	49.8	122.4	174	0.048
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	ASSEMBLY	1,789	36%	89.5	142.4	95	0.019
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	AVERAGE	2,602	58%	89.5	142.4	138	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	AVERAGE BUILDING TYPE- PGE2017	2,602	58%	89.5	142.4	138	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	EDUCATION - COMMUNITY COLLEGE	2,137	50%	89.5	142.4	113	0.026
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	EDUCATION - PRIMARY SCHOOL	2,368	54%	89.5	142.4	125	0.029
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	EDUCATION - SECONDARY SCHOOL	1,222	24%	89.5	142.4	65	0.013
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	GROCERY	3,528	71%	89.5	142.4	187	0.038
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	HEALTH/MEDICAL - NURSING HOME	2,955	78%	89.5	142.4	156	0.041
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	LODGING	2,849	59%	89.5	142.4	151	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	LODGING - HOTEL	2,849	59%	89.5	142.4	151	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	LODGING - MOTEL	2,849	59%	89.5	142.4	151	0.031
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	OFFICE - LARGE	1,958	56%	89.5	142.4	104	0.030
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	OFFICE - SMALL	2,017	57%	89.5	142.4	107	0.030
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	RESTAURANT - FAST-FOOD	4,101	75%	89.5	142.4	217	0.039
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	RETAIL - MULTISTORY LARGE	2,630	75%	89.5	142.4	139	0.040
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	RETAIL - SINGLE-STORY LARGE	2,670	75%	89.5	142.4	141	0.040
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	RETAIL - SMALL	2,402	66%	89.5	142.4	127	0.035
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	STORAGE - CONDITIONED	2,469	62%	89.5	142.4	131	0.033
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELE BALLAST/NW FIX-REPL T-12 LAMP&BALLAST-4 FT 4 LAMP	STORAGE - UNCONDITIONED	1,520	39%	89.5	142.4	80	0.020
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	AVERAGE	2,602	58%	28.0	39.2	29	0.006
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	AVERAGE BUILDING TYPE- PGE2017	2,602	58%	28.0	39.2	29	0.006
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	GROCERY	3,528	71%	28.0	39.2	40	0.008
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING	2,849	59%	28.0	39.2	32	0.007
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING - MOTEL	2,849	59%	28.0	39.2	32	0.007
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - LARGE	1,958	56%	28.0	39.2	22	0.006
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - SMALL	2,017	57%	28.0	39.2	23	0.006
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESTAURANT - FAST-FOOD	4,101	75%	28.0	39.2	46	0.008
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - MULTISTORY LARGE	2,630	75%	28.0	39.2	29	0.008
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SINGLE-STORY LARGE	2,670	75%	28.0	39.2	30	0.008
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SMALL	2,402	66%	28.0	39.2	27	0.007
Linear	PGE2017	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	STORAGE - CONDITIONED	2,469	62%	28.0	39.2	28	0.007
Linear	PGE2021	MF-T-5 OR T-8 INT LAMPS W ELEC BALLASTS-4 FT 2 LAMPS - APT		2,469	62%	55.9	79.8	59	0.015
Linear	PGE2021	MF-T-5 OR T-8 INT LAMPS W ELEC BALLASTS-4 FT 2 LAMPS - APT	RESIDENTIAL - SINGLE FAMILY	2,469	62%	55.9	79.8	59	0.015

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	HEALTH/MEDICAL - HOSPITAL	2,813	74%	17.0	24.8	22	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	RESTAURANT - FAST-FOOD	4,101	75%	17.0	24.8	32	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT		2,469	62%	28.0	39.2	28	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	ASSEMBLY	1,789	36%	28.0	39.2	20	0.004
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	AVERAGE	2,602	58%	28.0	39.2	29	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	AVERAGE BUILDING TYPE- PGE2021	2,602	58%	28.0	39.2	29	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	EDUCATION - PRIMARY SCHOOL	2,368	54%	28.0	39.2	27	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	GROCERY	3,528	71%	28.0	39.2	40	0.008
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	HEALTH/MEDICAL - HOSPITAL	2,813	74%	28.0	39.2	32	0.008
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	HEALTH/MEDICAL - NURSING HOME	2,955	78%	28.0	39.2	33	0.009
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING	2,849	59%	28.0	39.2	32	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING - HOTEL	2,849	59%	28.0	39.2	32	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING - MOTEL	2,849	59%	28.0	39.2	32	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	28.0	39.2	25	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - LARGE	1,958	56%	28.0	39.2	22	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - SMALL	2,017	57%	28.0	39.2	23	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESIDENTIAL - SINGLE FAMILY	2,469	62%	28.0	39.2	28	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESTAURANT - FAST-FOOD	4,101	75%	28.0	39.2	46	0.008
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESTAURANT - SIT-DOWN	3,150	52%	28.0	39.2	35	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - MULTISTORY LARGE	2,630	75%	28.0	39.2	29	0.008
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SINGLE-STORY LARGE	2,670	75%	28.0	39.2	30	0.008
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SMALL	2,402	66%	28.0	39.2	27	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	STORAGE - CONDITIONED	2,469	62%	28.0	39.2	28	0.007
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	STORAGE - UNCONDITIONED	1,520	39%	28.0	39.2	17	0.004
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	ASSEMBLY	1,789	36%	53.8	71.2	31	0.006
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	AVERAGE BUILDING TYPE- PGE2021	2,602	58%	53.8	71.2	45	0.010
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	EDUCATION - PRIMARY SCHOOL	2,368	54%	53.8	71.2	41	0.009
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	GROCERY	3,528	71%	53.8	71.2	61	0.012
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	HEALTH/MEDICAL - HOSPITAL	2,813	74%	53.8	71.2	49	0.013
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	HEALTH/MEDICAL - NURSING HOME	2,955	78%	53.8	71.2	51	0.014
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	LODGING - MOTEL	2,849	59%	53.8	71.2	50	0.010
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	53.8	71.2	39	0.011
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	OFFICE - LARGE	1,958	56%	53.8	71.2	34	0.010
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	OFFICE - SMALL	2,017	57%	53.8	71.2	35	0.010
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RESTAURANT - FAST-FOOD	4,101	75%	53.8	71.2	71	0.013
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RESTAURANT - SIT-DOWN	3,150	52%	53.8	71.2	55	0.009
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - MULTISTORY LARGE	2,630	75%	53.8	71.2	46	0.013
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - SINGLE-STORY LARGE	2,670	75%	53.8	71.2	46	0.013
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - SMALL	2,402	66%	53.8	71.2	42	0.011
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	STORAGE - CONDITIONED	2,469	62%	53.8	71.2	43	0.011
Linear	PGE2021	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	STORAGE - UNCONDITIONED	1,520	39%	53.8	71.2	26	0.007
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	ASSEMBLY	1,789	36%	-	40.9	73	0.015
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	AVERAGE BUILDING TYPE- PGE2021	2,602	58%	-	40.9	106	0.024
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	GROCERY	3,528	71%	-	40.9	144	0.029
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	40.9	115	0.030
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	LODGING - MOTEL	2,849	59%	-	40.9	117	0.024
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	OFFICE - LARGE	1,958	56%	-	40.9	80	0.023
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	OFFICE - SMALL	2,017	57%	-	40.9	83	0.023
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RESTAURANT - FAST-FOOD	4,101	75%	-	40.9	168	0.031
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RESTAURANT - SIT-DOWN	3,150	52%	-	40.9	129	0.021
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - MULTISTORY LARGE	2,630	75%	-	40.9	108	0.031
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - SINGLE-STORY LARGE	2,670	75%	-	40.9	109	0.031
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - SMALL	2,402	66%	-	40.9	98	0.027
Linear	PGE2021	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	STORAGE - CONDITIONED	2,469	62%	-	40.9	101	0.026
Linear	PGE2021	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	ASSEMBLY	1,789	36%	-	67.5	121	0.024
Linear	PGE2021	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	GROCERY	3,528	71%	-	67.5	238	0.048
Linear	PGE2021	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	OFFICE - LARGE	1,958	56%	-	67.5	132	0.038
Linear	PGE2021	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	OFFICE - SMALL	2,017	57%	-	67.5	136	0.038
Linear	PGE2021	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RESTAURANT - FAST-FOOD	4,101	75%	-	67.5	277	0.050
Linear	PGE2021	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RETAIL - SMALL	2,402	66%	-	67.5	162	0.044
Linear	PGE2021	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	AVERAGE BUILDING TYPE- PGE2021	2,602	58%	23.6	31.1	20	0.004
Linear	PGE2021	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	OFFICE - LARGE	1,958	56%	23.6	31.1	15	0.004
Linear	PGE2021	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	OFFICE - SMALL	2,017	57%	23.6	31.1	15	0.004
Linear	PGE2021	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	RETAIL - SMALL	2,402	66%	23.6	31.1	18	0.005
Linear	PGE2021	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	STORAGE - UNCONDITIONED	1,520	39%	23.6	31.1	11	0.003
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	ASSEMBLY	1,789	36%	28.1	43.6	28	0.006
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	AVERAGE	2,602	58%	28.1	43.6	40	0.009
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	AVERAGE BUILDING TYPE- PGE2054	2,602	58%	28.1	43.6	40	0.009



HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	EDUCATION - SECONDARY SCHOOL	1,222	24%	28.1	43.6	19	0.004
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	GROCERY	3,528	71%	28.1	43.6	55	0.011
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	HEALTH/MEDICAL - NURSING HOME	2,955	78%	28.1	43.6	46	0.012
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	MANUFACTURING - BIO/TECH	2,469	62%	28.1	43.6	38	0.010
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	28.1	43.6	35	0.010
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	OFFICE - LARGE	1,958	56%	28.1	43.6	30	0.009
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	OFFICE - SMALL	2,017	57%	28.1	43.6	31	0.009
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	RESTAURANT - FAST-FOOD	4,101	75%	28.1	43.6	64	0.012
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	RESTAURANT - SIT-DOWN	3,150	52%	28.1	43.6	49	0.008
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	RETAIL - SINGLE-STORY LARGE	2,670	75%	28.1	43.6	41	0.012
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	RETAIL - SMALL	2,402	66%	28.1	43.6	37	0.010
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-4'	STORAGE - UNCONDITIONED	1,520	39%	28.1	43.6	24	0.006
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	ASSEMBLY	1,789	36%	54.3	67.5	24	0.005
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	AVERAGE	2,602	58%	54.3	67.5	34	0.008
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	AVERAGE BUILDING TYPE- PGE2054	2,602	58%	54.3	67.5	34	0.008
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	EDUCATION - PRIMARY SCHOOL	2,368	54%	54.3	67.5	31	0.007
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	GROCERY	3,528	71%	54.3	67.5	47	0.009
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	HEALTH/MEDICAL - NURSING HOME	2,955	78%	54.3	67.5	39	0.010
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	54.3	67.5	30	0.008
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	OFFICE - LARGE	1,958	56%	54.3	67.5	26	0.007
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	OFFICE - SMALL	2,017	57%	54.3	67.5	27	0.008
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	RESTAURANT - FAST-FOOD	4,101	75%	54.3	67.5	54	0.010
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	RETAIL - SINGLE-STORY LARGE	2,670	75%	54.3	67.5	35	0.010
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	RETAIL - SMALL	2,402	66%	54.3	67.5	32	0.009
Linear	PGE2054	PREM T8/T5 LAMP & ELEC BALLAST/NEW FIXT-REPL T-12 LAMPS & ENGSVR BALLAST-8'	STORAGE - UNCONDITIONED	1,520	39%	54.3	67.5	20	0.005
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	ASSEMBLY	1,789	36%	28.0	39.2	20	0.004
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	EDUCATION - PRIMARY SCHOOL	2,368	54%	28.0	39.2	27	0.006
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	EDUCATION - SECONDARY SCHOOL	1,222	24%	28.0	39.2	14	0.003
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	GROCERY	3,528	71%	28.0	39.2	40	0.008
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	HEALTH/MEDICAL - HOSPITAL	2,813	74%	28.0	39.2	32	0.008
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	HEALTH/MEDICAL - NURSING HOME	2,955	78%	28.0	39.2	33	0.009
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING - HOTEL	2,849	59%	28.0	39.2	32	0.007
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING - MOTEL	2,849	59%	28.0	39.2	32	0.007
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	28.0	39.2	25	0.007
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - LARGE	1,958	56%	28.0	39.2	22	0.006
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - SMALL	2,017	57%	28.0	39.2	23	0.006
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESTAURANT - FAST-FOOD	4,101	75%	28.0	39.2	46	0.008
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESTAURANT - SIT-DOWN	3,150	52%	28.0	39.2	35	0.006
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SINGLE-STORY LARGE	2,670	75%	28.0	39.2	30	0.008
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SMALL	2,402	66%	28.0	39.2	27	0.007
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	STORAGE - CONDITIONED	2,469	62%	28.0	39.2	28	0.007
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	STORAGE - UNCONDITIONED	1,520	39%	28.0	39.2	17	0.004
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	EDUCATION - COMMUNITY COLLEGE	2,137	50%	53.8	71.2	37	0.009
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	EDUCATION - PRIMARY SCHOOL	2,368	54%	53.8	71.2	41	0.009
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	EDUCATION - SECONDARY SCHOOL	1,222	24%	53.8	71.2	21	0.004
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	GROCERY	3,528	71%	53.8	71.2	61	0.012
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	HEALTH/MEDICAL - HOSPITAL	2,813	74%	53.8	71.2	49	0.013
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	HEALTH/MEDICAL - NURSING HOME	2,955	78%	53.8	71.2	51	0.014
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	LODGING	2,849	59%	53.8	71.2	50	0.010
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	LODGING - HOTEL	2,849	59%	53.8	71.2	50	0.010
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	LODGING - MOTEL	2,849	59%	53.8	71.2	50	0.010
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	53.8	71.2	39	0.011
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	OFFICE - LARGE	1,958	56%	53.8	71.2	34	0.010
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	OFFICE - SMALL	2,017	57%	53.8	71.2	35	0.010
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RESTAURANT - FAST-FOOD	4,101	75%	53.8	71.2	71	0.013
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RESTAURANT - SIT-DOWN	3,150	52%	53.8	71.2	55	0.009
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - SINGLE-STORY LARGE	2,670	75%	53.8	71.2	46	0.013
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - SMALL	2,402	66%	53.8	71.2	42	0.011
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	STORAGE - CONDITIONED	2,469	62%	53.8	71.2	43	0.011
Linear	PGE2054	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	STORAGE - UNCONDITIONED	1,520	39%	53.8	71.2	26	0.007
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	EDUCATION - PRIMARY SCHOOL	2,368	54%	-	40.9	97	0.022
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	40.9	50	0.010
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	GROCERY	3,528	71%	-	40.9	144	0.029
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	40.9	115	0.030
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	HEALTH/MEDICAL - NURSING HOME	2,955	78%	-	40.9	121	0.032
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	LODGING - HOTEL	2,849	59%	-	40.9	117	0.024
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	LODGING - MOTEL	2,849	59%	-	40.9	117	0.024
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	-	40.9	92	0.025

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	OFFICE - LARGE	1,958	56%	-	40.9	80	0.023
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	OFFICE - SMALL	2,017	57%	-	40.9	83	0.023
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RESTAURANT - FAST-FOOD	4,101	75%	-	40.9	168	0.031
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RESTAURANT - SIT-DOWN	3,150	52%	-	40.9	129	0.021
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - SINGLE-STORY LARGE	2,670	75%	-	40.9	109	0.031
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - SMALL	2,402	66%	-	40.9	98	0.027
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	STORAGE - CONDITIONED	2,469	62%	-	40.9	101	0.026
Linear	PGE2054	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	STORAGE - UNCONDITIONED	1,520	39%	-	40.9	62	0.016
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	67.5	144	0.034
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	EDUCATION - PRIMARY SCHOOL	2,368	54%	-	67.5	160	0.037
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	67.5	82	0.016
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	GROCERY	3,528	71%	-	67.5	238	0.048
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	67.5	190	0.050
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	HEALTH/MEDICAL - NURSING HOME	2,955	78%	-	67.5	199	0.053
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	LODGING - HOTEL	2,849	59%	-	67.5	192	0.040
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	LODGING - MOTEL	2,849	59%	-	67.5	192	0.040
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	2,252	62%	-	67.5	152	0.042
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	OFFICE - LARGE	1,958	56%	-	67.5	132	0.038
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	OFFICE - SMALL	2,017	57%	-	67.5	136	0.038
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RESTAURANT - FAST-FOOD	4,101	75%	-	67.5	277	0.050
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RESTAURANT - SIT-DOWN	3,150	52%	-	67.5	213	0.035
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RETAIL - SINGLE-STORY LARGE	2,670	75%	-	67.5	180	0.051
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RETAIL - SMALL	2,402	66%	-	67.5	162	0.044
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	STORAGE - CONDITIONED	2,469	62%	-	67.5	167	0.042
Linear	PGE2054	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	STORAGE - UNCONDITIONED	1,520	39%	-	67.5	103	0.026
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	ASSEMBLY	1,469	37%	23.6	31.1	11	0.003
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	AVERAGE	5,817	78%	23.6	31.1	44	0.006
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	AVERAGE BLDGTYPE - PGE2080	5,817	78%	23.6	31.1	44	0.006
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	EDUCATION - COMMUNITY COLLEGE	2,646	59%	23.6	31.1	20	0.004
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	EDUCATION - PRIMARY SCHOOL	2,633	60%	23.6	31.1	20	0.005
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	EDUCATION - UNIVERSITY	3,006	71%	23.6	31.1	23	0.005
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	GROCERY	4,637	99%	23.6	31.1	35	0.007
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	HEALTH/MEDICAL - HOSPITAL	3,349	66%	23.6	31.1	25	0.005
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	LODGING	1,595	29%	23.6	31.1	12	0.002
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	LODGING - HOTEL	1,595	29%	23.6	31.1	12	0.002
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	23.6	31.1	29	0.006
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	OFFICE - LARGE	2,620	69%	23.6	31.1	20	0.005
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	OFFICE - SMALL	2,372	66%	23.6	31.1	18	0.005
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	RESTAURANT - FAST-FOOD	3,006	71%	23.6	31.1	23	0.005
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	RESTAURANT - SIT-DOWN	7,387	100%	23.6	31.1	55	0.008
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	RETAIL - MULTISTORY LARGE	3,430	87%	23.6	31.1	26	0.007
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	RETAIL - SINGLE-STORY LARGE	3,841	85%	23.6	31.1	29	0.006
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	RETAIL - SMALL	3,343	85%	23.6	31.1	25	0.006
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	STORAGE - CONDITIONED	2,609	61%	23.6	31.1	20	0.005
Linear	PGE2080	28 WATT T8 REPLACING 32 WATT T8	STORAGE - UNCONDITIONED	2,646	51%	23.6	31.1	20	0.004
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	ASSEMBLY	1,469	37%	75.4	109.9	51	0.013
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	AVERAGE	5,817	78%	75.4	109.9	201	0.027
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	AVERAGE BLDGTYPE - PGE2080	5,817	78%	75.4	109.9	201	0.027
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	EDUCATION - COMMUNITY COLLEGE	2,646	59%	75.4	109.9	91	0.020
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	EDUCATION - PRIMARY SCHOOL	2,633	60%	75.4	109.9	91	0.021
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	EDUCATION - SECONDARY SCHOOL	2,032	47%	75.4	109.9	70	0.016
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	GROCERY	4,637	99%	75.4	109.9	160	0.034
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	HEALTH/MEDICAL - HOSPITAL	3,349	66%	75.4	109.9	116	0.023
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	HEALTH/MEDICAL - NURSING HOME	3,641	32%	75.4	109.9	126	0.011
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	LODGING	1,595	29%	75.4	109.9	55	0.010
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	LODGING - HOTEL	1,595	29%	75.4	109.9	55	0.010
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	75.4	109.9	135	0.026
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	OFFICE - LARGE	2,620	69%	75.4	109.9	90	0.024
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	OFFICE - SMALL	2,372	66%	75.4	109.9	82	0.023
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	RESTAURANT - FAST-FOOD	3,006	71%	75.4	109.9	104	0.024
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	RETAIL - MULTISTORY LARGE	3,430	87%	75.4	109.9	118	0.030
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	RETAIL - SINGLE-STORY LARGE	3,841	85%	75.4	109.9	133	0.029
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	RETAIL - SMALL	3,343	85%	75.4	109.9	115	0.029
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	STORAGE - CONDITIONED	2,609	61%	75.4	109.9	90	0.021
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 101 - 175 WATTS	STORAGE - UNCONDITIONED	2,646	51%	75.4	109.9	91	0.017
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	ASSEMBLY	1,469	37%	90.9	379.3	424	0.105
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	AVERAGE	5,817	78%	90.9	379.3	1,678	0.225
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	AVERAGE BLDGTYPE - PGE2080	5,817	78%	90.9	379.3	1,678	0.225

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	EDUCATION - COMMUNITY COLLEGE	2,646	59%	90.9	379.3	763	0.170
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	EDUCATION - PRIMARY SCHOOL	2,633	60%	90.9	379.3	759	0.174
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	EDUCATION - SECONDARY SCHOOL	2,032	47%	90.9	379.3	586	0.136
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	HEALTH/MEDICAL - HOSPITAL	3,349	66%	90.9	379.3	966	0.190
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	LODGING - HOTEL	1,595	29%	90.9	379.3	460	0.084
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	90.9	379.3	1,129	0.220
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	OFFICE - LARGE	2,620	69%	90.9	379.3	756	0.200
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	OFFICE - SMALL	2,372	66%	90.9	379.3	684	0.189
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	RETAIL - MULTISTORY LARGE	3,430	87%	90.9	379.3	989	0.250
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	RETAIL - SINGLE-STORY LARGE	3,841	85%	90.9	379.3	1,108	0.245
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	RETAIL - SMALL	3,343	85%	90.9	379.3	964	0.245
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	STORAGE - CONDITIONED	2,609	61%	90.9	379.3	752	0.176
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - 176 - 399 WATTS	STORAGE - UNCONDITIONED	2,646	51%	90.9	379.3	763	0.146
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	ASSEMBLY	1,469	37%	54.9	87.1	47	0.012
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	AVERAGE	5,817	78%	54.9	87.1	187	0.025
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	AVERAGE BLDGTYPE - PGE2080	5,817	78%	54.9	87.1	187	0.025
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	EDUCATION - COMMUNITY COLLEGE	2,646	59%	54.9	87.1	85	0.019
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	EDUCATION - PRIMARY SCHOOL	2,633	60%	54.9	87.1	85	0.019
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	EDUCATION - SECONDARY SCHOOL	2,032	47%	54.9	87.1	65	0.015
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	GROCERY	4,637	99%	54.9	87.1	149	0.032
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	HEALTH/MEDICAL - NURSING HOME	3,641	32%	54.9	87.1	117	0.010
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	LODGING - HOTEL	1,595	29%	54.9	87.1	51	0.009
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	LODGING - MOTEL	1,595	29%	54.9	87.1	51	0.009
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	54.9	87.1	126	0.025
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	OFFICE - LARGE	2,620	69%	54.9	87.1	84	0.022
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	OFFICE - SMALL	2,372	66%	54.9	87.1	76	0.021
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	RESTAURANT - FAST-FOOD	3,006	71%	54.9	87.1	97	0.023
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	RESTAURANT - SIT-DOWN	7,387	100%	54.9	87.1	238	0.032
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	RETAIL - MULTISTORY LARGE	3,430	87%	54.9	87.1	110	0.028
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	RETAIL - SINGLE-STORY LARGE	3,841	85%	54.9	87.1	124	0.027
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	RETAIL - SMALL	3,343	85%	54.9	87.1	108	0.027
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	STORAGE - CONDITIONED	2,609	61%	54.9	87.1	84	0.020
Linear	PGE2080	FIXTURE INT LINEAR FLUORESCENT - <= 100 WATTS	STORAGE - UNCONDITIONED	2,646	51%	54.9	87.1	85	0.016
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	ASSEMBLY	1,469	37%	17.0	24.8	12	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	AVERAGE	5,817	78%	17.0	24.8	46	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	AVERAGE BLDGTYPE - PGE2080	5,817	78%	17.0	24.8	46	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	EDUCATION - COMMUNITY COLLEGE	2,646	59%	17.0	24.8	21	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	EDUCATION - PRIMARY SCHOOL	2,633	60%	17.0	24.8	21	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	EDUCATION - SECONDARY SCHOOL	2,032	47%	17.0	24.8	16	0.004
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	EDUCATION - UNIVERSITY	3,006	71%	17.0	24.8	24	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	GROCERY	4,637	99%	17.0	24.8	36	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	HEALTH/MEDICAL - HOSPITAL	3,349	66%	17.0	24.8	26	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	HEALTH/MEDICAL - NURSING HOME	3,641	32%	17.0	24.8	29	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	LODGING - HOTEL	1,595	29%	17.0	24.8	12	0.002
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	LODGING - MOTEL	1,595	29%	17.0	24.8	12	0.002
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	17.0	24.8	31	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	OFFICE - LARGE	2,620	69%	17.0	24.8	21	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	OFFICE - SMALL	2,372	66%	17.0	24.8	19	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	RESTAURANT - FAST-FOOD	3,006	71%	17.0	24.8	24	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	RESTAURANT - SIT-DOWN	7,387	100%	17.0	24.8	58	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	RETAIL - MULTISTORY LARGE	3,430	87%	17.0	24.8	27	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	RETAIL - SINGLE-STORY LARGE	3,841	85%	17.0	24.8	30	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	RETAIL - SMALL	3,343	85%	17.0	24.8	26	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	STORAGE - CONDITIONED	2,609	61%	17.0	24.8	20	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-2 FT	STORAGE - UNCONDITIONED	2,646	51%	17.0	24.8	21	0.004
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	ASSEMBLY	1,469	37%	23.6	34.5	16	0.004
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	AVERAGE BLDGTYPE - PGE2080	5,817	78%	23.6	34.5	63	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	EDUCATION - COMMUNITY COLLEGE	2,646	59%	23.6	34.5	29	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	EDUCATION - PRIMARY SCHOOL	2,633	60%	23.6	34.5	29	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	EDUCATION - SECONDARY SCHOOL	2,032	47%	23.6	34.5	22	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	HEALTH/MEDICAL - HOSPITAL	3,349	66%	23.6	34.5	36	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	HEALTH/MEDICAL - NURSING HOME	3,641	32%	23.6	34.5	40	0.004
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	LODGING	1,595	29%	23.6	34.5	17	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	LODGING - HOTEL	1,595	29%	23.6	34.5	17	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	LODGING - MOTEL	1,595	29%	23.6	34.5	17	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	23.6	34.5	43	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	OFFICE - LARGE	2,620	69%	23.6	34.5	28	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	OFFICE - SMALL	2,372	66%	23.6	34.5	26	0.007

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	RESTAURANT - FAST-FOOD	3,006	71%	23.6	34.5	33	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	RESTAURANT - SIT-DOWN	7,387	100%	23.6	34.5	80	0.011
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	RETAIL - MULTISTORY LARGE	3,430	87%	23.6	34.5	37	0.009
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	RETAIL - SINGLE-STORY LARGE	3,841	85%	23.6	34.5	42	0.009
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	RETAIL - SMALL	3,343	85%	23.6	34.5	36	0.009
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	STORAGE - CONDITIONED	2,609	61%	23.6	34.5	28	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-3 FT	STORAGE - UNCONDITIONED	2,646	51%	23.6	34.5	29	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	ASSEMBLY	1,469	37%	28.0	39.2	16	0.004
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	AVERAGE	5,817	78%	28.0	39.2	65	0.009
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	AVERAGE BLDGTYPE - PGE2080	5,817	78%	28.0	39.2	65	0.009
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	EDUCATION - COMMUNITY COLLEGE	2,646	59%	28.0	39.2	30	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	EDUCATION - PRIMARY SCHOOL	2,633	60%	28.0	39.2	29	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	EDUCATION - SECONDARY SCHOOL	2,032	47%	28.0	39.2	23	0.005
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	EDUCATION - UNIVERSITY	3,006	71%	28.0	39.2	34	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	GROCERY	4,637	99%	28.0	39.2	52	0.011
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	HEALTH/MEDICAL - HOSPITAL	3,349	66%	28.0	39.2	38	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	HEALTH/MEDICAL - NURSING HOME	3,641	32%	28.0	39.2	41	0.004
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING	1,595	29%	28.0	39.2	18	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING - HOTEL	1,595	29%	28.0	39.2	18	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	LODGING - MOTEL	1,595	29%	28.0	39.2	18	0.003
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	28.0	39.2	44	0.009
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - LARGE	2,620	69%	28.0	39.2	29	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	OFFICE - SMALL	2,372	66%	28.0	39.2	27	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESTAURANT - FAST-FOOD	3,006	71%	28.0	39.2	34	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RESTAURANT - SIT-DOWN	7,387	100%	28.0	39.2	83	0.011
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - MULTISTORY LARGE	3,430	87%	28.0	39.2	38	0.010
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SINGLE-STORY LARGE	3,841	85%	28.0	39.2	43	0.010
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	RETAIL - SMALL	3,343	85%	28.0	39.2	37	0.009
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	STORAGE - CONDITIONED	2,609	61%	28.0	39.2	29	0.007
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-4 FT	STORAGE - UNCONDITIONED	2,646	51%	28.0	39.2	30	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	ASSEMBLY	1,469	37%	53.8	71.2	26	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	AVERAGE	5,817	78%	53.8	71.2	101	0.014
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	AVERAGE BLDGTYPE - PGE2080	5,817	78%	53.8	71.2	101	0.014
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	EDUCATION - PRIMARY SCHOOL	2,633	60%	53.8	71.2	46	0.010
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	EDUCATION - SECONDARY SCHOOL	2,032	47%	53.8	71.2	35	0.008
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	GROCERY	4,637	99%	53.8	71.2	81	0.017
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	HEALTH/MEDICAL - HOSPITAL	3,349	66%	53.8	71.2	58	0.011
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	HEALTH/MEDICAL - NURSING HOME	3,641	32%	53.8	71.2	63	0.006
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	53.8	71.2	68	0.013
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	OFFICE - LARGE	2,620	69%	53.8	71.2	46	0.012
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	OFFICE - SMALL	2,372	66%	53.8	71.2	41	0.011
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RESTAURANT - FAST-FOOD	3,006	71%	53.8	71.2	52	0.012
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RESTAURANT - SIT-DOWN	7,387	100%	53.8	71.2	129	0.017
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - MULTISTORY LARGE	3,430	87%	53.8	71.2	60	0.015
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - SINGLE-STORY LARGE	3,841	85%	53.8	71.2	67	0.015
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	RETAIL - SMALL	3,343	85%	53.8	71.2	58	0.015
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	STORAGE - CONDITIONED	2,609	61%	53.8	71.2	45	0.011
Linear	PGE2080	PREMIUM T-8/T-5 LAMP&ELECT BALLAST-REPLCE OF T-12 LAMP&BALLAST-8 FT	STORAGE - UNCONDITIONED	2,646	51%	53.8	71.2	46	0.009
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	ASSEMBLY	1,469	37%	-	24.8	36	0.009
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	AVERAGE BLDGTYPE - PGE2080	5,817	78%	-	24.8	144	0.019
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	24.8	50	0.012
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	EDUCATION - UNIVERSITY	3,006	71%	-	24.8	75	0.018
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	HEALTH/MEDICAL - HOSPITAL	3,349	66%	-	24.8	83	0.016
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	HEALTH/MEDICAL - NURSING HOME	3,641	32%	-	24.8	90	0.008
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	-	24.8	97	0.019
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	OFFICE - LARGE	2,620	69%	-	24.8	65	0.017
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	OFFICE - SMALL	2,372	66%	-	24.8	59	0.016
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	RESTAURANT - SIT-DOWN	7,387	100%	-	24.8	183	0.025
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	RETAIL - SINGLE-STORY LARGE	3,841	85%	-	24.8	95	0.021
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	RETAIL - SMALL	3,343	85%	-	24.8	83	0.021
Linear	PGE2080	REFLECTORS WITH DELAMPING, 2 FT LAMP REMOVED	STORAGE - CONDITIONED	2,609	61%	-	24.8	65	0.015
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	ASSEMBLY	1,469	37%	-	34.5	51	0.013
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	AVERAGE BLDGTYPE - PGE2080	5,817	78%	-	34.5	201	0.027
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	EDUCATION - PRIMARY SCHOOL	2,633	60%	-	34.5	91	0.021
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	-	34.5	135	0.026
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	OFFICE - LARGE	2,620	69%	-	34.5	90	0.024
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	OFFICE - SMALL	2,372	66%	-	34.5	82	0.023
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	RESTAURANT - SIT-DOWN	7,387	100%	-	34.5	255	0.034

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	PGE2080	REFLECTORS WITH DELAMPING, 3 FT LAMP REMOVED	RETAIL - SMALL	3,343	85%	-	34.5	115	0.029
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	ASSEMBLY	1,469	37%	-	40.9	60	0.015
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	AVERAGE BLDGTYPE - PGE2080	5,817	78%	-	40.9	238	0.032
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	EDUCATION - COMMUNITY COLLEGE	2,646	59%	-	40.9	108	0.024
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	EDUCATION - PRIMARY SCHOOL	2,633	60%	-	40.9	108	0.025
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	40.9	83	0.019
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	EDUCATION - UNIVERSITY	3,006	71%	-	40.9	123	0.029
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	GROCERY	4,637	99%	-	40.9	190	0.041
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	HEALTH/MEDICAL - HOSPITAL	3,349	66%	-	40.9	137	0.027
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	HEALTH/MEDICAL - NURSING HOME	3,641	32%	-	40.9	149	0.013
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	LODGING - HOTEL	1,595	29%	-	40.9	65	0.012
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	LODGING - MOTEL	1,595	29%	-	40.9	65	0.012
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	-	40.9	160	0.031
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	OFFICE - LARGE	2,620	69%	-	40.9	107	0.028
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	OFFICE - SMALL	2,372	66%	-	40.9	97	0.027
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RESTAURANT - FAST-FOOD	3,006	71%	-	40.9	123	0.029
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RESTAURANT - SIT-DOWN	7,387	100%	-	40.9	302	0.041
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - MULTISTORY LARGE	3,430	87%	-	40.9	140	0.035
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - SINGLE-STORY LARGE	3,841	85%	-	40.9	157	0.035
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	RETAIL - SMALL	3,343	85%	-	40.9	137	0.035
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	STORAGE - CONDITIONED	2,609	61%	-	40.9	107	0.025
Linear	PGE2080	REFLECTORS WITH DELAMPING, 4 FT LAMP REMOVED	STORAGE - UNCONDITIONED	2,646	51%	-	40.9	108	0.021
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	ASSEMBLY	1,469	37%	-	67.5	99	0.025
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	AVERAGE BLDGTYPE - PGE2080	5,817	78%	-	67.5	393	0.053
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	EDUCATION - PRIMARY SCHOOL	2,633	60%	-	67.5	178	0.041
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	67.5	137	0.032
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	EDUCATION - UNIVERSITY	3,006	71%	-	67.5	203	0.048
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	GROCERY	4,637	99%	-	67.5	313	0.067
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	HEALTH/MEDICAL - HOSPITAL	3,349	66%	-	67.5	226	0.045
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	HEALTH/MEDICAL - NURSING HOME	3,641	32%	-	67.5	246	0.022
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	LODGING - HOTEL	1,595	29%	-	67.5	108	0.020
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,916	76%	-	67.5	264	0.052
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	OFFICE - LARGE	2,620	69%	-	67.5	177	0.047
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	OFFICE - SMALL	2,372	66%	-	67.5	160	0.044
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RESTAURANT - SIT-DOWN	7,387	100%	-	67.5	499	0.068
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RETAIL - MULTISTORY LARGE	3,430	87%	-	67.5	232	0.059
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RETAIL - SINGLE-STORY LARGE	3,841	85%	-	67.5	259	0.057
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	RETAIL - SMALL	3,343	85%	-	67.5	226	0.057
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	STORAGE - CONDITIONED	2,609	61%	-	67.5	176	0.041
Linear	PGE2080	REFLECTORS WITH DELAMPING, 8 FT LAMP REMOVED	STORAGE - UNCONDITIONED	2,646	51%	-	67.5	179	0.034
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	AVERAGE	5,817	78%	23.6	31.1	44	0.006
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	AVERAGE BLDGTYPE - PGE2080	5,817	78%	23.6	31.1	44	0.006
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	EDUCATION - COMMUNITY COLLEGE	2,646	59%	23.6	31.1	20	0.004
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	EDUCATION - PRIMARY SCHOOL	2,633	60%	23.6	31.1	20	0.005
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	GROCERY	4,637	99%	23.6	31.1	35	0.007
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	HEALTH/MEDICAL - HOSPITAL	3,349	66%	23.6	31.1	25	0.005
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	LODGING - HOTEL	1,595	29%	23.6	31.1	12	0.002
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	OFFICE - LARGE	2,620	69%	23.6	31.1	20	0.005
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	OFFICE - SMALL	2,372	66%	23.6	31.1	18	0.005
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	RETAIL - MULTISTORY LARGE	3,430	87%	23.6	31.1	26	0.007
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	RETAIL - SMALL	3,343	85%	23.6	31.1	25	0.006
Linear	PGE2080	T8-25 WATT LAMP-REPLACEMENT OF T8-32 WATT LAMP - 4 FT	STORAGE - CONDITIONED	2,609	61%	23.6	31.1	20	0.005
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	ASSEMBLY	1,069	23%	54.3	67.8	14	0.003
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	AVERAGE	1,966	52%	54.3	67.8	27	0.007
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	54.3	67.8	29	0.007
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	GROCERY	3,847	80%	54.3	67.8	52	0.011
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	54.3	67.8	38	0.010
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	54.3	67.8	31	0.007
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	OFFICE - LARGE	2,198	52%	54.3	67.8	30	0.007
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	OFFICE - SMALL	2,293	68%	54.3	67.8	31	0.009
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	54.3	67.8	46	0.009
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	54.3	67.8	49	0.010
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	54.3	67.8	34	0.009
Linear	SCE2511	(1) 96 T-12 TO (1) 96 T-8 LAMP WITH ELEC. BAL.	RETAIL - SMALL	2,529	72%	54.3	67.8	34	0.010
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	56.3	79.8	25	0.005
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	AVERAGE	1,966	52%	56.3	79.8	46	0.012
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	56.3	79.8	50	0.012
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	56.3	79.8	61	0.016

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	GROCERY	3,847	80%	56.3	79.8	90	0.019
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	56.3	79.8	67	0.017
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	LODGING	1,506	35%	56.3	79.8	35	0.008
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	56.3	79.8	54	0.013
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	56.3	79.8	54	0.016
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	56.3	79.8	79	0.015
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	56.3	79.8	85	0.017
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	56.3	79.8	60	0.016
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	56.3	79.8	59	0.017
Linear	SCE2511	(1) 96 T-12 TO (2) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	56.3	79.8	61	0.016
Linear	SCE2511	(2) 96 T-12 TO (1) 96 T-8 LAMP WITH IS RLO ELEC. BAL. TANDEM	HEALTH/MEDICAL - NURSING HOME	2,830	71%	-	67.5	191	0.048
Linear	SCE2511	(2) 96 T-12 TO (1) 96 T-8 LAMP WITH IS RLO ELEC. BAL. TANDEM	OFFICE - SMALL	2,293	68%	-	67.5	155	0.046
Linear	SCE2511	(2) 96 T-12 TO (1) 96 T-8 LAMP WITH IS RLO ELEC. BAL. TANDEM	RETAIL - SINGLE-STORY LARGE	2,534	69%	-	67.5	171	0.046
Linear	SCE2511	(2) 96 T-12 TO (1) 96 T-8 LAMP WITH IS RLO ELEC. BAL. TANDEM	RETAIL - SMALL	2,529	72%	-	67.5	171	0.048
Linear	SCE2511	(2) 96 T-12 TO (1) 96 T-8 LAMP WITH IS RLO ELEC. BAL. TANDEM	STORAGE - UNCONDITIONED	2,087	61%	-	67.5	141	0.041
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	106.1	132.5	28	0.006
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	AVERAGE	1,966	52%	106.1	132.5	52	0.014
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	106.1	132.5	56	0.013
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	106.1	132.5	60	0.014
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	106.1	132.5	32	0.006
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	106.1	132.5	68	0.018
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	GROCERY	3,847	80%	106.1	132.5	102	0.021
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	106.1	132.5	75	0.019
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	LODGING	1,506	35%	106.1	132.5	40	0.009
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	106.1	132.5	60	0.014
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	106.1	132.5	58	0.014
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	106.1	132.5	61	0.018
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	106.1	132.5	89	0.017
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	106.1	132.5	95	0.019
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - MULTISTORY LARGE	2,630	75%	106.1	132.5	69	0.020
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	106.1	132.5	67	0.018
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	106.1	132.5	67	0.019
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	106.1	132.5	68	0.018
Linear	SCE2511	(2) 96 T-12 TO (2) 96 T-8 LAMP WITH IS RLO ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	106.1	132.5	55	0.016
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	104.6	126.4	23	0.005
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	AVERAGE	1,966	52%	104.6	126.4	43	0.011
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	104.6	126.4	47	0.011
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	104.6	126.4	50	0.012
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	104.6	126.4	27	0.005
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	104.6	126.4	56	0.015
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	GROCERY	3,847	80%	104.6	126.4	84	0.017
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	104.6	126.4	62	0.016
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	LODGING	1,506	35%	104.6	126.4	33	0.008
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	104.6	126.4	50	0.012
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	104.6	126.4	48	0.011
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	104.6	126.4	50	0.015
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	104.6	126.4	74	0.014
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	104.6	126.4	79	0.015
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	104.6	126.4	55	0.015
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	104.6	126.4	55	0.016
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	104.6	126.4	56	0.015
Linear	SCE2511	(2) 96 T-12 TO (4) 48 T-8 LAMP WITH IS RLO ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	104.6	126.4	45	0.013
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	55.9	79.8	26	0.005
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	AVERAGE	1,966	52%	55.9	79.8	47	0.012
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	55.9	79.8	51	0.012
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	55.9	79.8	55	0.013
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	55.9	79.8	29	0.006
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	55.9	79.8	62	0.016
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	GROCERY	3,847	80%	55.9	79.8	92	0.019
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	55.9	79.8	67	0.018
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	55.9	79.8	68	0.017
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	LODGING	1,506	35%	55.9	79.8	36	0.008
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	55.9	79.8	54	0.013
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	55.9	79.8	53	0.012
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	55.9	79.8	55	0.016
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	55.9	79.8	81	0.015
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	55.9	79.8	86	0.017
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	55.9	79.8	61	0.016

HIM	eegeCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	55.9	79.8	60	0.017
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	55.9	79.8	62	0.016
Linear	SCE2511	(2) U-TUBE T-8 WITH IS RLO ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	55.9	79.8	50	0.015
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	ASSEMBLY	1,069	23%	-	40.9	44	0.009
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	AVERAGE	1,966	52%	-	40.9	80	0.021
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	40.9	87	0.020
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	GROCERY	3,847	80%	-	40.9	157	0.033
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	-	40.9	116	0.029
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	-	40.9	93	0.022
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - SMALL	2,293	68%	-	40.9	94	0.028
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	-	40.9	138	0.027
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	-	40.9	148	0.029
Linear	SCE2511	(3) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SMALL	2,529	72%	-	40.9	103	0.029
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	ASSEMBLY	1,069	23%	-	81.8	87	0.018
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	AVERAGE	1,966	52%	-	81.8	161	0.042
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	81.8	175	0.041
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	-	81.8	187	0.044
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	GROCERY	3,847	80%	-	81.8	315	0.066
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	81.8	230	0.061
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	-	81.8	232	0.058
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	LODGING	1,506	35%	-	81.8	123	0.028
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	-	81.8	186	0.044
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - LARGE	2,198	52%	-	81.8	180	0.042
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - SMALL	2,293	68%	-	81.8	188	0.055
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	-	81.8	277	0.053
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	-	81.8	296	0.058
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	-	81.8	207	0.056
Linear	SCE2511	(4) 48 T-12 TO (2) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SMALL	2,529	72%	-	81.8	207	0.058
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	ASSEMBLY	1,069	23%	-	40.9	44	0.009
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	AVERAGE	1,966	52%	-	40.9	80	0.021
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	40.9	87	0.020
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	-	40.9	94	0.022
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	GROCERY	3,847	80%	-	40.9	157	0.033
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	-	40.9	116	0.029
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	LODGING	1,506	35%	-	40.9	62	0.014
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - LARGE	2,198	52%	-	40.9	90	0.021
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - SMALL	2,293	68%	-	40.9	94	0.028
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	-	40.9	138	0.027
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	-	40.9	148	0.029
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	-	40.9	104	0.028
Linear	SCE2511	(4) 48 T-12 TO (3) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SMALL	2,529	72%	-	40.9	103	0.029
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	17.0	87.1	75	0.016
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	AVERAGE	1,966	52%	17.0	87.1	138	0.036
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	17.0	87.1	150	0.035
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	17.0	87.1	161	0.038
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	GROCERY	3,847	80%	17.0	87.1	270	0.056
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	17.0	87.1	197	0.052
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	17.0	87.1	198	0.050
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	LODGING	1,506	35%	17.0	87.1	106	0.024
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	17.0	87.1	160	0.038
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	17.0	87.1	154	0.036
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	17.0	87.1	161	0.047
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	17.0	87.1	237	0.045
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	17.0	87.1	253	0.050
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - MULTISTORY LARGE	2,630	75%	17.0	87.1	184	0.053
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	17.0	87.1	178	0.048
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	17.0	87.1	177	0.050
Linear	SCE2511	2ND GEN. (1) 24 T-8 LAMP WITH IS RLO ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	17.0	87.1	181	0.047
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	30.5	34.5	4	0.001
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	AVERAGE	1,966	52%	30.5	34.5	8	0.002
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	30.5	34.5	8	0.002
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	30.5	34.5	9	0.002
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	30.5	34.5	10	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	GROCERY	3,847	80%	30.5	34.5	15	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	30.5	34.5	11	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	30.5	34.5	11	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	LODGING	1,506	35%	30.5	34.5	6	0.001
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	30.5	34.5	9	0.002

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	30.5	34.5	9	0.002
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	30.5	34.5	9	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	30.5	34.5	13	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	30.5	34.5	14	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	30.5	34.5	10	0.003
Linear	SCE2511	2ND GEN. (1) 36 T-8 LAMP WITH IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	30.5	34.5	10	0.003
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	ASSEMBLY	1,069	23%	29.2	37.2	9	0.002
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	AVERAGE	1,966	52%	29.2	37.2	16	0.004
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	EDUCATION - COMMUNITY COLLEGE	2,137	50%	29.2	37.2	17	0.004
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	EDUCATION - PRIMARY SCHOOL	2,291	54%	29.2	37.2	18	0.004
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	EDUCATION - SECONDARY SCHOOL	1,222	24%	29.2	37.2	10	0.002
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	EDUCATION - UNIVERSITY	2,586	67%	29.2	37.2	21	0.005
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	GROCERY	3,847	80%	29.2	37.2	31	0.006
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	HEALTH/MEDICAL - NURSING HOME	2,830	71%	29.2	37.2	23	0.006
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	LODGING	1,506	35%	29.2	37.2	12	0.003
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	29.2	37.2	18	0.004
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	OFFICE - LARGE	2,198	52%	29.2	37.2	18	0.004
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	OFFICE - SMALL	2,293	68%	29.2	37.2	18	0.005
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	RESTAURANT - FAST-FOOD	3,381	65%	29.2	37.2	27	0.005
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	RESTAURANT - SIT-DOWN	3,615	71%	29.2	37.2	29	0.006
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	RETAIL - SINGLE-STORY LARGE	2,534	69%	29.2	37.2	20	0.006
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	RETAIL - SMALL	2,529	72%	29.2	37.2	20	0.006
Linear	SCE2511	3RD GEN. (1) 48 T-8 LAMP WITH ELEC. BAL	STORAGE - UNCONDITIONED	2,087	61%	29.2	37.2	17	0.005
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	ASSEMBLY	1,069	23%	58.1	87.5	31	0.007
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	AVERAGE	1,966	52%	58.1	87.5	58	0.015
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	58.1	87.5	63	0.015
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	58.1	87.5	67	0.016
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	58.1	87.5	36	0.007
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	58.1	87.5	76	0.020
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	GROCERY	3,847	80%	58.1	87.5	113	0.024
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	58.1	87.5	83	0.022
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	58.1	87.5	83	0.021
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	LODGING	1,506	35%	58.1	87.5	44	0.010
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	58.1	87.5	67	0.016
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - LARGE	2,198	52%	58.1	87.5	65	0.015
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - SMALL	2,293	68%	58.1	87.5	67	0.020
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	58.1	87.5	99	0.019
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	58.1	87.5	106	0.021
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - MULTISTORY LARGE	2,630	75%	58.1	87.5	77	0.022
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	58.1	87.5	75	0.020
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SMALL	2,529	72%	58.1	87.5	74	0.021
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	58.1	87.5	76	0.020
Linear	SCE2511	3RD GEN. (2) 48 T-8 LAMP WITH ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	58.1	87.5	61	0.018
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	89.5	141.0	55	0.012
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	AVERAGE	1,966	52%	89.5	141.0	101	0.027
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	89.5	141.0	110	0.026
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	89.5	141.0	118	0.028
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	89.5	141.0	63	0.012
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	89.5	141.0	133	0.034
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	GROCERY	3,847	80%	89.5	141.0	198	0.041
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	89.5	141.0	145	0.038
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	89.5	141.0	146	0.037
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	LODGING	1,506	35%	89.5	141.0	78	0.018
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	89.5	141.0	117	0.028
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	89.5	141.0	113	0.027
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	89.5	141.0	118	0.035
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	89.5	141.0	174	0.033
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	89.5	141.0	186	0.036
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	89.5	141.0	131	0.035
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	89.5	141.0	130	0.037
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	89.5	141.0	133	0.034
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH (2) IS RLO ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	89.5	141.0	107	0.031
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	ASSEMBLY	1,069	23%	88.3	110.3	24	0.005
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	AVERAGE	1,966	52%	88.3	110.3	43	0.011
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	88.3	110.3	47	0.011
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	88.3	110.3	50	0.012
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	88.3	110.3	27	0.005
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	88.3	110.3	57	0.015



HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	GROCERY	3,847	80%	88.3	110.3	85	0.018
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	88.3	110.3	62	0.016
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	88.3	110.3	62	0.016
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	LODGING	1,506	35%	88.3	110.3	33	0.008
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	88.3	110.3	50	0.012
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - LARGE	2,198	52%	88.3	110.3	48	0.011
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - SMALL	2,293	68%	88.3	110.3	50	0.015
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	88.3	110.3	74	0.014
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	88.3	110.3	80	0.016
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	88.3	110.3	56	0.015
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SMALL	2,529	72%	88.3	110.3	56	0.016
Linear	SCE2511	3RD GEN. (3) 48 T-8 LAMP WITH ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	88.3	110.3	46	0.013
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	ASSEMBLY	1,069	23%	104.5	150.9	50	0.010
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	AVERAGE	1,966	52%	104.5	150.9	91	0.024
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	104.5	150.9	99	0.023
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	104.5	150.9	106	0.025
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	104.5	150.9	120	0.031
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	GROCERY	3,847	80%	104.5	150.9	178	0.037
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	104.5	150.9	131	0.034
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	104.5	150.9	131	0.033
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	LODGING	1,506	35%	104.5	150.9	70	0.016
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	104.5	150.9	106	0.025
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	OFFICE - LARGE	2,198	52%	104.5	150.9	102	0.024
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	OFFICE - SMALL	2,293	68%	104.5	150.9	106	0.031
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	104.5	150.9	157	0.030
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	104.5	150.9	168	0.033
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	104.5	150.9	118	0.032
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	RETAIL - SMALL	2,529	72%	104.5	150.9	117	0.033
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	104.5	150.9	120	0.031
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH (2) ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	104.5	150.9	97	0.028
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	ASSEMBLY	1,069	23%	101.9	151.2	53	0.011
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	AVERAGE	1,966	52%	101.9	151.2	97	0.025
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	101.9	151.2	105	0.025
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	101.9	151.2	113	0.027
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	101.9	151.2	60	0.012
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	101.9	151.2	128	0.033
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	GROCERY	3,847	80%	101.9	151.2	190	0.040
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - HOSPITAL	2,813	74%	101.9	151.2	139	0.037
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	101.9	151.2	140	0.035
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	LODGING	1,506	35%	101.9	151.2	74	0.017
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	101.9	151.2	112	0.027
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - LARGE	2,198	52%	101.9	151.2	108	0.025
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	OFFICE - SMALL	2,293	68%	101.9	151.2	113	0.033
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	101.9	151.2	167	0.032
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	101.9	151.2	178	0.035
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	101.9	151.2	125	0.034
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	RETAIL - SMALL	2,529	72%	101.9	151.2	125	0.035
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	STORAGE - CONDITIONED	2,586	67%	101.9	151.2	128	0.033
Linear	SCE2511	3RD GEN. (4) 48 T-8 LAMP WITH ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	101.9	151.2	103	0.030
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	ASSEMBLY	1,069	23%	215.6	252.0	39	0.008
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	AVERAGE	1,966	52%	215.6	252.0	72	0.019
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	EDUCATION - COMMUNITY COLLEGE	2,137	50%	215.6	252.0	78	0.018
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	EDUCATION - PRIMARY SCHOOL	2,291	54%	215.6	252.0	83	0.020
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	EDUCATION - SECONDARY SCHOOL	1,222	24%	215.6	252.0	44	0.009
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	EDUCATION - UNIVERSITY	2,586	67%	215.6	252.0	94	0.024
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	GROCERY	3,847	80%	215.6	252.0	140	0.029
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	215.6	252.0	103	0.026
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	LODGING	1,506	35%	215.6	252.0	55	0.013
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	MANUFACTURING - LIGHT INDUSTRIAL	2,280	54%	215.6	252.0	83	0.020
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	215.6	252.0	80	0.019
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	215.6	252.0	83	0.025
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	RESTAURANT - FAST-FOOD	3,381	65%	215.6	252.0	123	0.024
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	215.6	252.0	132	0.026
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	215.6	252.0	92	0.025
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	215.6	252.0	92	0.026
Linear	SCE2511	[4] 8FT FIXTURES [4] 8FT WITH (2) IS RLO ELEC. BAL.	STORAGE - UNCONDITIONED	2,087	61%	215.6	252.0	76	0.022
Linear	SCE2511	[4] 8FT FIXTURES [8] 4FT WITH (2) IS RLO ELEC. BAL.	GROCERY	3,847	80%	203.0	294.6	352	0.074
Linear	SCE2511	[4] 8FT FIXTURES [8] 4FT WITH (2) IS RLO ELEC. BAL.	HEALTH/MEDICAL - NURSING HOME	2,830	71%	203.0	294.6	259	0.065

HIM	eeegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SCE2511	[4] 8FT FIXTURES [8] 4FT WITH (2) IS RLO ELEC. BAL.	OFFICE - LARGE	2,198	52%	203.0	294.6	201	0.047
Linear	SCE2511	[4] 8FT FIXTURES [8] 4FT WITH (2) IS RLO ELEC. BAL.	OFFICE - SMALL	2,293	68%	203.0	294.6	210	0.062
Linear	SCE2511	[4] 8FT FIXTURES [8] 4FT WITH (2) IS RLO ELEC. BAL.	RESTAURANT - SIT-DOWN	3,615	71%	203.0	294.6	331	0.065
Linear	SCE2511	[4] 8FT FIXTURES [8] 4FT WITH (2) IS RLO ELEC. BAL.	RETAIL - SINGLE-STORY LARGE	2,534	69%	203.0	294.6	232	0.063
Linear	SCE2511	[4] 8FT FIXTURES [8] 4FT WITH (2) IS RLO ELEC. BAL.	RETAIL - SMALL	2,529	72%	203.0	294.6	232	0.065
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F AVERAGE		1,800	38%	241.7	379.3	248	0.053
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F EDUCATION - PRIMARY SCHOOL		2,326	52%	241.7	379.3	320	0.072
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F EDUCATION - SECONDARY SCHOOL		2,032	47%	241.7	379.3	280	0.065
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F GROCERY		4,637	99%	241.7	379.3	638	0.137
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F HEALTH/MEDICAL - HOSPITAL		3,103	59%	241.7	379.3	427	0.082
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F HEALTH/MEDICAL - NURSING HOME		3,641	32%	241.7	379.3	501	0.045
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F LODGING		1,595	29%	241.7	379.3	220	0.040
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F MANUFACTURING - LIGHT INDUSTRIAL		3,036	74%	241.7	379.3	418	0.102
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F OFFICE - LARGE		3,133	69%	241.7	379.3	431	0.095
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F OFFICE - SMALL		2,689	81%	241.7	379.3	370	0.111
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F RESTAURANT - FAST-FOOD		2,727	65%	241.7	379.3	375	0.090
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F RESTAURANT - SIT-DOWN		7,387	100%	241.7	379.3	1,016	0.138
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F RETAIL - SINGLE-STORY LARGE		3,841	85%	241.7	379.3	528	0.117
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F RETAIL - SMALL		3,587	93%	241.7	379.3	494	0.127
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F STORAGE - CONDITIONED		3,048	70%	241.7	379.3	419	0.097
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 101-175W LAMP BASECASE, UP TO 128W RPL F STORAGE - UNCONDITIONED		2,918	68%	241.7	379.3	401	0.093
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F AVERAGE		1,800	38%	164.0	458.0	529	0.112
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F EDUCATION - PRIMARY SCHOOL		2,326	52%	164.0	458.0	684	0.153
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F EDUCATION - SECONDARY SCHOOL		2,032	47%	164.0	458.0	597	0.139
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F EDUCATION - UNIVERSITY		2,727	65%	164.0	458.0	802	0.191
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F GROCERY		4,637	99%	164.0	458.0	1,363	0.292
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F MANUFACTURING - LIGHT INDUSTRIAL		3,036	74%	164.0	458.0	893	0.217
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F OFFICE - LARGE		3,133	69%	164.0	458.0	921	0.203
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F OFFICE - SMALL		2,689	81%	164.0	458.0	791	0.238
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F RETAIL - SINGLE-STORY LARGE		3,841	85%	164.0	458.0	1,129	0.249
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F RETAIL - SMALL		3,587	93%	164.0	458.0	1,055	0.272
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F STORAGE - CONDITIONED		3,048	70%	164.0	458.0	896	0.207
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 176-399W LAMP BASECASE, UP TO 192W RPL F STORAGE - UNCONDITIONED		2,918	68%	164.0	458.0	858	0.200
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL AVERAGE		1,800	38%	164.0	379.3	388	0.082
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL EDUCATION - SECONDARY SCHOOL		2,032	47%	164.0	379.3	437	0.102
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL EDUCATION - UNIVERSITY		2,727	65%	164.0	379.3	587	0.140
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL GROCERY		4,637	99%	164.0	379.3	998	0.214
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL MANUFACTURING - LIGHT INDUSTRIAL		3,036	74%	164.0	379.3	654	0.159
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL OFFICE - LARGE		3,133	69%	164.0	379.3	675	0.149
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL OFFICE - SMALL		2,689	81%	164.0	379.3	827	0.183
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL RETAIL - SINGLE-STORY LARGE		3,841	85%	164.0	379.3	827	0.183
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL RETAIL - SMALL		3,587	93%	164.0	379.3	772	0.199
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL STORAGE - CONDITIONED		3,048	70%	164.0	379.3	656	0.151
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, 245 TO 360W RPL FIXTL STORAGE - UNCONDITIONED		2,918	68%	164.0	379.3	628	0.146
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL AVERAGE		1,800	38%	178.2	444.4	479	0.102
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL EDUCATION - PRIMARY SCHOOL		2,326	52%	178.2	444.4	619	0.139
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL EDUCATION - SECONDARY SCHOOL		2,032	47%	178.2	444.4	541	0.126
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL EDUCATION - UNIVERSITY		2,727	65%	178.2	444.4	726	0.173
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL GROCERY		4,637	99%	178.2	444.4	1,234	0.264
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL HEALTH/MEDICAL - HOSPITAL		3,103	59%	178.2	444.4	826	0.158
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL MANUFACTURING - LIGHT INDUSTRIAL		3,036	74%	178.2	444.4	808	0.196
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL OFFICE - LARGE		3,133	69%	178.2	444.4	834	0.184
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL OFFICE - SMALL		2,689	81%	178.2	444.4	716	0.215
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL RESTAURANT - SIT-DOWN		7,387	100%	178.2	444.4	1,966	0.266
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL RETAIL - SINGLE-STORY LARGE		3,841	85%	178.2	444.4	1,022	0.226
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL RETAIL - SMALL		3,587	93%	178.2	444.4	955	0.246
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL STORAGE - CONDITIONED		3,048	70%	178.2	444.4	811	0.187
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE 400W LAMP BASECASE, UP TO 244W RPL FIXTL STORAGE - UNCONDITIONED		2,918	68%	178.2	444.4	777	0.181
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL AVERAGE		1,800	38%	56.3	379.3	581	0.123
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL EDUCATION - PRIMARY SCHOOL		2,326	52%	56.3	379.3	751	0.168
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL EDUCATION - SECONDARY SCHOOL		2,032	47%	56.3	379.3	656	0.153
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL EDUCATION - UNIVERSITY		2,727	65%	56.3	379.3	881	0.210
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL GROCERY		4,637	99%	56.3	379.3	1,498	0.321
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL HEALTH/MEDICAL - NURSING HOME		3,641	32%	56.3	379.3	1,176	0.105
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL LODGING		1,595	29%	56.3	379.3	515	0.094
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL MANUFACTURING - LIGHT INDUSTRIAL		3,036	74%	56.3	379.3	981	0.238
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL OFFICE - LARGE		3,133	69%	56.3	379.3	1,012	0.223
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL OFFICE - SMALL		2,689	81%	56.3	379.3	869	0.261
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXTL RESTAURANT - FAST-FOOD		2,727	65%	56.3	379.3	881	0.210

HIM	eeegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXT RESTAURANT - SIT-DOWN		7,387	100%	56.3	379.3	2,386	0.323
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXT RETAIL - SINGLE-STORY LARGE		3,841	85%	56.3	379.3	1,241	0.274
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXT RETAIL - SMALL		3,587	93%	56.3	379.3	1,159	0.299
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXT STORAGE - CONDITIONED		3,048	70%	56.3	379.3	984	0.227
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE <=100W LAMP BASECASE, UP TO 64W RPL FIXT STORAGE - UNCONDITIONED		2,918	68%	56.3	379.3	942	0.219
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT AVERAGE		1,800	38%	164.0	379.3	388	0.082
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT EDUCATION - COMMUNITY COLLEGE		2,646	59%	164.0	379.3	570	0.127
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT EDUCATION - PRIMARY SCHOOL		2,326	52%	164.0	379.3	501	0.112
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT EDUCATION - SECONDARY SCHOOL		2,032	47%	164.0	379.3	437	0.102
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT GROCERY		4,637	99%	164.0	379.3	998	0.214
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT MANUFACTURING - LIGHT INDUSTRIAL		3,036	74%	164.0	379.3	654	0.159
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT OFFICE - LARGE		3,133	69%	164.0	379.3	675	0.149
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT OFFICE - SMALL		2,689	81%	164.0	379.3	579	0.174
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT RETAIL - SINGLE-STORY LARGE		3,841	85%	164.0	379.3	827	0.183
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT RETAIL - SMALL		3,587	93%	164.0	379.3	772	0.199
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT STORAGE - CONDITIONED		3,048	70%	164.0	379.3	656	0.151
Linear	SCE2517	INTERIOR LINEAR FLUORESCENT FIXTURE >400W LAMP BASECASE, UP TO 600W RPL FIXT STORAGE - UNCONDITIONED		2,918	68%	164.0	379.3	628	0.146
Linear	SCE2517	T-12 LAMP AND MAG. BALLAST, 2-FOOT REMOVED	AVERAGE	1,800	38%	-	24.8	45	0.009
Linear	SCE2517	T-12 LAMP AND MAG. BALLAST, 2-FOOT REMOVED	EDUCATION - PRIMARY SCHOOL	2,326	52%	-	24.8	58	0.013
Linear	SCE2517	T-12 LAMP AND MAG. BALLAST, 2-FOOT REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	-	24.8	75	0.018
Linear	SCE2517	T-12 LAMP AND MAG. BALLAST, 2-FOOT REMOVED	OFFICE - LARGE	3,133	69%	-	24.8	78	0.017
Linear	SCE2517	T-12 LAMP AND MAG. BALLAST, 2-FOOT REMOVED	OFFICE - SMALL	2,689	81%	-	24.8	67	0.020
Linear	SCE2517	T-12 LAMP AND MAG. BALLAST, 2-FOOT REMOVED	STORAGE - UNCONDITIONED	2,918	68%	-	24.8	72	0.017
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	AVERAGE	1,800	38%	-	67.5	122	0.026
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	EDUCATION - COMMUNITY COLLEGE	2,646	59%	-	67.5	179	0.040
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	EDUCATION - PRIMARY SCHOOL	2,326	52%	-	67.5	157	0.035
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	67.5	137	0.032
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	GROCERY	4,637	99%	-	67.5	313	0.067
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	HEALTH/MEDICAL - HOSPITAL	3,103	59%	-	67.5	209	0.040
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	LODGING	1,595	29%	-	67.5	108	0.020
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	-	67.5	205	0.050
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	OFFICE - LARGE	3,133	69%	-	67.5	212	0.047
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	OFFICE - SMALL	2,689	81%	-	67.5	182	0.055
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	RETAIL - SINGLE-STORY LARGE	3,841	85%	-	67.5	259	0.057
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	RETAIL - SMALL	3,587	93%	-	67.5	242	0.062
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	STORAGE - CONDITIONED	3,048	70%	-	67.5	206	0.047
Linear	SCE2517	T-12 LAMP, 8-FOOT REMOVED	STORAGE - UNCONDITIONED	2,918	68%	-	67.5	197	0.046
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	AVERAGE	1,800	38%	17.0	24.8	14	0.003
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	EDUCATION - COMMUNITY COLLEGE	2,646	59%	17.0	24.8	21	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	EDUCATION - PRIMARY SCHOOL	2,326	52%	17.0	24.8	18	0.004
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	GROCERY	4,637	99%	17.0	24.8	36	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	HEALTH/MEDICAL - HOSPITAL	3,103	59%	17.0	24.8	24	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	LODGING	1,595	29%	17.0	24.8	12	0.002
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	17.0	24.8	24	0.006
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	OFFICE - LARGE	3,133	69%	17.0	24.8	25	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	OFFICE - SMALL	2,689	81%	17.0	24.8	21	0.006
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	RESTAURANT - FAST-FOOD	2,727	65%	17.0	24.8	21	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	RESTAURANT - SIT-DOWN	7,387	100%	17.0	24.8	58	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	RETAIL - SINGLE-STORY LARGE	3,841	85%	17.0	24.8	30	0.007
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	RETAIL - SMALL	3,587	93%	17.0	24.8	28	0.007
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	STORAGE - CONDITIONED	3,048	70%	17.0	24.8	24	0.006
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 2-FOOT LAMP INSTALLED	STORAGE - UNCONDITIONED	2,918	68%	17.0	24.8	23	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	AVERAGE	1,800	38%	23.6	34.5	20	0.004
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	EDUCATION - COMMUNITY COLLEGE	2,646	59%	23.6	34.5	29	0.006
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	EDUCATION - PRIMARY SCHOOL	2,326	52%	23.6	34.5	25	0.006
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	EDUCATION - SECONDARY SCHOOL	2,032	47%	23.6	34.5	22	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	GROCERY	4,637	99%	23.6	34.5	50	0.011
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	HEALTH/MEDICAL - HOSPITAL	3,103	59%	23.6	34.5	34	0.006
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	LODGING	1,595	29%	23.6	34.5	17	0.003
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	23.6	34.5	33	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	OFFICE - LARGE	3,133	69%	23.6	34.5	34	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	OFFICE - SMALL	2,689	81%	23.6	34.5	29	0.009
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	RETAIL - SINGLE-STORY LARGE	3,841	85%	23.6	34.5	42	0.009
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	RETAIL - SMALL	3,587	93%	23.6	34.5	39	0.010
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP INSTALLED	STORAGE - UNCONDITIONED	2,918	68%	23.6	34.5	32	0.007
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP REMOVED	EDUCATION - PRIMARY SCHOOL	2,326	52%	-	34.5	80	0.018
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	-	34.5	105	0.025
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 3-FOOT LAMP REMOVED	OFFICE - SMALL	2,689	81%	-	34.5	93	0.028

HIM	eeegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	ASSEMBLY	1,469	37%	28.3	39.7	17	0.004
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	AVERAGE	1,800	38%	28.3	39.7	21	0.004
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	EDUCATION - COMMUNITY COLLEGE	2,646	59%	28.3	39.7	30	0.007
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	EDUCATION - PRIMARY SCHOOL	2,326	52%	28.3	39.7	27	0.006
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	EDUCATION - SECONDARY SCHOOL	2,032	47%	28.3	39.7	23	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	EDUCATION - UNIVERSITY	2,727	65%	28.3	39.7	31	0.007
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	GROCERY	4,637	99%	28.3	39.7	53	0.011
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	HEALTH/MEDICAL - HOSPITAL	3,103	59%	28.3	39.7	35	0.007
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	HEALTH/MEDICAL - NURSING HOME	3,641	32%	28.3	39.7	42	0.004
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	LODGING	1,595	29%	28.3	39.7	18	0.003
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	28.3	39.7	35	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	OFFICE - LARGE	3,133	69%	28.3	39.7	36	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	OFFICE - SMALL	2,689	81%	28.3	39.7	31	0.009
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	RESTAURANT - FAST-FOOD	2,727	65%	28.3	39.7	31	0.007
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	RESTAURANT - SIT-DOWN	7,387	100%	28.3	39.7	84	0.011
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	RETAIL - SINGLE-STORY LARGE	3,841	85%	28.3	39.7	44	0.010
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	RETAIL - SMALL	3,587	93%	28.3	39.7	41	0.011
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	STORAGE - CONDITIONED	3,048	70%	28.3	39.7	35	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP INSTALLED	STORAGE - UNCONDITIONED	2,918	68%	28.3	39.7	33	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	ASSEMBLY	1,469	37%	-	40.9	60	0.015
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	AVERAGE	1,800	38%	-	40.9	74	0.016
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	EDUCATION - PRIMARY SCHOOL	2,326	52%	-	40.9	95	0.021
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	40.9	83	0.019
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	EDUCATION - UNIVERSITY	2,727	65%	-	40.9	112	0.027
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	GROCERY	4,637	99%	-	40.9	190	0.041
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	HEALTH/MEDICAL - HOSPITAL	3,103	59%	-	40.9	127	0.024
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	HEALTH/MEDICAL - NURSING HOME	3,641	32%	-	40.9	149	0.013
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	LODGING	1,595	29%	-	40.9	65	0.012
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	-	40.9	124	0.030
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	OFFICE - LARGE	3,133	69%	-	40.9	128	0.028
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	OFFICE - SMALL	2,689	81%	-	40.9	110	0.033
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	RESTAURANT - FAST-FOOD	2,727	65%	-	40.9	112	0.027
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	RESTAURANT - SIT-DOWN	7,387	100%	-	40.9	302	0.041
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	RETAIL - SINGLE-STORY LARGE	3,841	85%	-	40.9	157	0.035
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	RETAIL - SMALL	3,587	93%	-	40.9	147	0.038
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	STORAGE - CONDITIONED	3,048	70%	-	40.9	125	0.029
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 4-FOOT LAMP REMOVED	STORAGE - UNCONDITIONED	2,918	68%	-	40.9	119	0.028
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	AVERAGE	1,800	38%	53.3	67.5	26	0.005
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	EDUCATION - COMMUNITY COLLEGE	2,646	59%	53.3	67.5	38	0.008
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	GROCERY	4,637	99%	53.3	67.5	66	0.014
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	LODGING	1,595	29%	53.3	67.5	23	0.004
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	MANUFACTURING - LIGHT INDUSTRIAL	3,036	74%	53.3	67.5	43	0.010
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	OFFICE - LARGE	3,133	69%	53.3	67.5	44	0.010
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	OFFICE - SMALL	2,689	81%	53.3	67.5	38	0.011
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	RESTAURANT - FAST-FOOD	2,727	65%	53.3	67.5	39	0.009
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	RESTAURANT - SIT-DOWN	7,387	100%	53.3	67.5	105	0.014
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	RETAIL - SINGLE-STORY LARGE	3,841	85%	53.3	67.5	55	0.012
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	RETAIL - SMALL	3,587	93%	53.3	67.5	51	0.013
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	STORAGE - CONDITIONED	3,048	70%	53.3	67.5	43	0.010
Linear	SCE2517	T-8 OR T-5 LAMP AND ELECTRONIC, 8-FOOT LAMP INSTALLED	STORAGE - UNCONDITIONED	2,918	68%	53.3	67.5	41	0.010
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	ASSEMBLY	2,959	53%	17.0	24.8	23	0.004
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	AVERAGE	1,469	37%	17.0	24.8	12	0.003
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	AVERAGE	5,446	95%	17.0	24.8	43	0.007
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	EDUCATION - SECONDARY SCHOOL	2,032	47%	17.0	24.8	16	0.004
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	HEALTH/MEDICAL - HOSPITAL	2,497	43%	17.0	24.8	20	0.003
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	HEALTH/MEDICAL - NURSING HOME	3,641	32%	17.0	24.8	29	0.003
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	LODGING	1,595	29%	17.0	24.8	12	0.002
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	MANUFACTURING - LIGHT INDUSTRIAL	3,289	75%	17.0	24.8	26	0.006
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	OFFICE - LARGE	2,767	69%	17.0	24.8	22	0.005
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	OFFICE - SMALL	2,604	77%	17.0	24.8	20	0.006
Linear	SDGE3012	LIGHTING - 2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	STORAGE - UNCONDITIONED	2,854	64%	17.0	24.8	22	0.005
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	AVERAGE	2,959	53%	22.6	34.5	35	0.006
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	AVERAGE	5,446	95%	22.6	34.5	65	0.011
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	EDUCATION - SECONDARY SCHOOL	2,032	47%	22.6	34.5	24	0.006
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	HEALTH/MEDICAL - HOSPITAL	2,497	43%	22.6	34.5	30	0.005
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	LODGING	1,595	29%	22.6	34.5	19	0.003
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	OFFICE - LARGE	2,767	69%	22.6	34.5	33	0.008
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	RETAIL - MULTISTORY LARGE	3,430	87%	22.6	34.5	41	0.010

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3012	LIGHTING - 3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	RETAIL - SMALL	4,055	16%	22.6	34.5	48	0.002
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST		2,959	53%	52.9	67.5	43	0.008
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	AVERAGE	5,446	95%	52.9	67.5	80	0.014
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	EDUCATION - SECONDARY SCHOOL	2,032	47%	52.9	67.5	30	0.007
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	EDUCATION - UNIVERSITY	2,959	53%	52.9	67.5	43	0.008
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	GROCERY	4,637	99%	52.9	67.5	68	0.015
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	HEALTH/MEDICAL - HOSPITAL	2,497	43%	52.9	67.5	36	0.006
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	MANUFACTURING - LIGHT INDUSTRIAL	3,289	75%	52.9	67.5	48	0.011
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	OFFICE - SMALL	2,604	77%	52.9	67.5	38	0.011
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	RETAIL - MULTISTORY LARGE	3,430	87%	52.9	67.5	50	0.013
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	RETAIL - SMALL	4,055	16%	52.9	67.5	59	0.002
Linear	SDGE3012	LIGHTING - 8 FT T-8 WITH ELEC. BALLAST	STORAGE - UNCONDITIONED	2,854	64%	52.9	67.5	42	0.009
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE 27-65 WATT FLUORESCENT FIXTURE		2,959	53%	61.1	120.0	174	0.031
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE 27-65 WATT FLUORESCENT FIXTURE	EDUCATION - SECONDARY SCHOOL	2,032	47%	61.1	120.0	120	0.028
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE 27-65 WATT FLUORESCENT FIXTURE	MANUFACTURING - LIGHT INDUSTRIAL	3,289	75%	61.1	120.0	194	0.044
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE 66-90 WATT FLUORESCENT FIXTURE	EDUCATION - SECONDARY SCHOOL	2,032	47%	61.1	89.3	57	0.013
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE 66-90 WATT FLUORESCENT FIXTURE	OFFICE - SMALL	2,604	77%	61.1	89.3	73	0.022
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE >90 WATT FLUORESCENT FIXTURE		2,959	53%	61.1	89.3	83	0.015
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE >90 WATT FLUORESCENT FIXTURE	AVERAGE	5,446	95%	61.1	89.3	153	0.027
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE >90 WATT FLUORESCENT FIXTURE	HEALTH/MEDICAL - HOSPITAL	2,497	43%	61.1	89.3	70	0.012
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE >90 WATT FLUORESCENT FIXTURE	LODGING	1,595	29%	61.1	89.3	45	0.008
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE >90 WATT FLUORESCENT FIXTURE	MANUFACTURING - LIGHT INDUSTRIAL	3,289	75%	61.1	89.3	93	0.021
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE >90 WATT FLUORESCENT FIXTURE	OFFICE - SMALL	2,604	77%	61.1	89.3	73	0.022
Linear	SDGE3012	LIGHTING - HARDWIRE INCAN BASE >90 WATT FLUORESCENT FIXTURE	RETAIL - SMALL	4,055	16%	61.1	89.3	114	0.004
Linear	SDGE3012	LIGHTING - HARDWIRE MERC VAP BASE 27-65 WATT FLUORESCENT FIXTURE	EDUCATION - SECONDARY SCHOOL	2,032	47%	61.1	89.3	57	0.013
Linear	SDGE3012	LIGHTING - HARDWIRE MERC VAP BASE 27-65 WATT FLUORESCENT FIXTURE	OFFICE - SMALL	2,604	77%	61.1	89.3	73	0.022
Linear	SDGE3012	LIGHTING - HARDWIRE MERC VAP BASE 66-90 WATT FLUORESCENT FIXTURE	EDUCATION - SECONDARY SCHOOL	2,032	47%	61.1	89.3	57	0.013
Linear	SDGE3012	LIGHTING - INTERIOR 36-70W MERC VAP BASE	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	-	-	-
Linear	SDGE3012	LIGHTING - INTERIOR 71-100W MERC VAP BASE	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	-	-	-
Linear	SDGE3012	LIGHTING - REMOVE 2 FT T-8 (DE-LAMP)		2,959	53%	-	24.8	73	0.013
Linear	SDGE3012	LIGHTING - REMOVE 2 FT T-8 (DE-LAMP)	ASSEMBLY	1,469	37%	-	24.8	36	0.009
Linear	SDGE3012	LIGHTING - REMOVE 2 FT T-8 (DE-LAMP)	AVERAGE	5,446	95%	-	24.8	135	0.024
Linear	SDGE3012	LIGHTING - REMOVE 2 FT T-8 (DE-LAMP)	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	24.8	50	0.012
Linear	SDGE3012	LIGHTING - REMOVE 3 FT T-8 (DE-LAMP)		2,959	53%	-	34.5	102	0.018
Linear	SDGE3012	LIGHTING - REMOVE 3 FT T-8 (DE-LAMP)	AVERAGE	5,446	95%	-	34.5	188	0.033
Linear	SDGE3012	LIGHTING - REMOVE 3 FT T-8 (DE-LAMP)	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	34.5	70	0.016
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)		2,959	53%	-	40.9	121	0.022
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	ASSEMBLY	1,469	37%	-	40.9	60	0.015
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	AVERAGE	5,446	95%	-	40.9	223	0.039
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	40.9	83	0.019
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	EDUCATION - UNIVERSITY	2,959	53%	-	40.9	121	0.022
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	GROCERY	4,637	99%	-	40.9	190	0.041
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	HEALTH/MEDICAL - HOSPITAL	2,497	43%	-	40.9	102	0.018
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	LODGING	1,595	29%	-	40.9	65	0.012
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	MANUFACTURING - LIGHT INDUSTRIAL	3,289	75%	-	40.9	135	0.030
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	OFFICE - LARGE	2,767	69%	-	40.9	113	0.028
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	OFFICE - SMALL	2,604	77%	-	40.9	107	0.031
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	RESTAURANT - FAST-FOOD	2,959	53%	-	40.9	121	0.022
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	RESTAURANT - SIT-DOWN	7,387	100%	-	40.9	302	0.041
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	RETAIL - SMALL	4,055	16%	-	40.9	166	0.007
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	STORAGE - CONDITIONED	2,772	64%	-	40.9	113	0.026
Linear	SDGE3012	LIGHTING - REMOVE 4 FT T-8 (DE-LAMP)	STORAGE - UNCONDITIONED	2,854	64%	-	40.9	117	0.026
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)		2,959	53%	-	67.5	200	0.036
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	ASSEMBLY	1,469	37%	-	67.5	99	0.025
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	AVERAGE	5,446	95%	-	67.5	368	0.064
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	EDUCATION - SECONDARY SCHOOL	2,032	47%	-	67.5	137	0.032
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	EDUCATION - UNIVERSITY	2,959	53%	-	67.5	200	0.036
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	LODGING	1,595	29%	-	67.5	108	0.020
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	MANUFACTURING - LIGHT INDUSTRIAL	3,289	75%	-	67.5	222	0.050
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	OFFICE - SMALL	2,604	77%	-	67.5	176	0.052
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	RETAIL - SINGLE-STORY LARGE	3,841	85%	-	67.5	259	0.057
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	RETAIL - SMALL	4,055	16%	-	67.5	274	0.011
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	STORAGE - CONDITIONED	2,772	64%	-	67.5	187	0.043
Linear	SDGE3012	LIGHTING - REMOVE 8 FT T-8 (DE-LAMP)	STORAGE - UNCONDITIONED	2,854	64%	-	67.5	193	0.043
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE		2,959	53%	28.2	32.1	12	0.002
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	ASSEMBLY	1,469	37%	28.2	32.1	6	0.001
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	AVERAGE	5,446	95%	28.2	32.1	21	0.004
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	EDUCATION - SECONDARY SCHOOL	2,032	47%	28.2	32.1	8	0.002

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	EDUCATION - UNIVERSITY	2,959	53%	28.2	32.1	12	0.002
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	GROCERY	4,637	99%	28.2	32.1	18	0.004
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	HEALTH/MEDICAL - HOSPITAL	2,497	43%	28.2	32.1	10	0.002
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	HEALTH/MEDICAL - NURSING HOME	3,641	32%	28.2	32.1	14	0.001
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	LODGING	1,595	29%	28.2	32.1	6	0.001
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	MANUFACTURING - LIGHT INDUSTRIAL	3,289	75%	28.2	32.1	13	0.003
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	OFFICE - LARGE	2,767	69%	28.2	32.1	11	0.003
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	OFFICE - SMALL	2,604	77%	28.2	32.1	10	0.003
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	RESTAURANT - FAST-FOOD	2,959	53%	28.2	32.1	12	0.002
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	RESTAURANT - SIT-DOWN	7,387	100%	28.2	32.1	29	0.004
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	RETAIL - SINGLE-STORY LARGE	3,841	85%	28.2	32.1	15	0.003
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	RETAIL - SMALL	4,055	16%	28.2	32.1	16	0.001
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	STORAGE - CONDITIONED	2,772	64%	28.2	32.1	11	0.003
Linear	SDGE3012	PREMIUM T8 WITH T12 34WATT BASELINE	STORAGE - UNCONDITIONED	2,854	64%	28.2	32.1	11	0.002
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	ASSEMBLY	1,224	26%	17.0	24.8	10	0.002
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	AVERAGE	2,059	50%	17.0	24.8	16	0.004
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	GROCERY	4,773	85%	17.0	24.8	37	0.007
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	HEALTH/MEDICAL - HOSPITAL	2,813	74%	17.0	24.8	22	0.006
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	LODGING	4,100	56%	17.0	24.8	32	0.004
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	17.0	24.8	18	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	OFFICE - SMALL	2,199	62%	17.0	24.8	17	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	RESTAURANT - FAST-FOOD	2,958	48%	17.0	24.8	23	0.004
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	RESTAURANT - SIT-DOWN	3,586	65%	17.0	24.8	28	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	17.0	24.8	22	0.006
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	RETAIL - SMALL	2,534	69%	17.0	24.8	20	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	STORAGE - UNCONDITIONED	2,343	68%	17.0	24.8	18	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	AVERAGE	2,059	50%	17.0	24.8	16	0.004
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	17.0	24.8	18	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	OFFICE - LARGE	2,030	63%	17.0	24.8	16	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	OFFICE - SMALL	2,199	62%	17.0	24.8	17	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	RETAIL - SMALL	2,534	69%	17.0	24.8	20	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR3	AVERAGE	2,059	50%	17.0	24.8	16	0.004
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	17.0	24.8	10	0.002
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR3	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	17.0	24.8	18	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR3	OFFICE - SMALL	2,199	62%	17.0	24.8	17	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN T-8 WITH ELEC BALLAST-TR3	RETAIL - SMALL	2,534	69%	17.0	24.8	20	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	ASSEMBLY	1,224	26%	17.0	24.8	10	0.002
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	AVERAGE	2,059	50%	17.0	24.8	16	0.004
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	EDUCATION - SECONDARY SCHOOL	1,222	24%	17.0	24.8	10	0.002
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	EDUCATION - UNIVERSITY	2,427	63%	17.0	24.8	19	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	HEALTH/MEDICAL - HOSPITAL	2,813	74%	17.0	24.8	22	0.006
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	17.0	24.8	18	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	OFFICE - LARGE	2,030	63%	17.0	24.8	16	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	OFFICE - SMALL	2,199	62%	17.0	24.8	17	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	RESTAURANT - FAST-FOOD	2,958	48%	17.0	24.8	23	0.004
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	RETAIL - SINGLE-STORY LARGE	2,813	82%	17.0	24.8	22	0.006
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	RETAIL - SMALL	2,534	69%	17.0	24.8	20	0.005
Linear	SDGE3020	LIGHTING-2 FT 2ND GEN. T-8 WITH ELEC. BALLAST	STORAGE - UNCONDITIONED	2,343	68%	17.0	24.8	18	0.005
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	AVERAGE	2,059	50%	23.6	34.5	22	0.005
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	LODGING	4,100	56%	23.6	34.5	45	0.006
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	OFFICE - LARGE	2,030	63%	23.6	34.5	22	0.007
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	OFFICE - SMALL	2,199	62%	23.6	34.5	24	0.007
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	RESTAURANT - SIT-DOWN	3,586	65%	23.6	34.5	39	0.007
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR1	RETAIL - SMALL	2,534	69%	23.6	34.5	28	0.008
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	AVERAGE	2,059	50%	23.6	34.5	22	0.005
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	OFFICE - LARGE	2,030	63%	23.6	34.5	22	0.007
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR2	OFFICE - SMALL	2,199	62%	23.6	34.5	24	0.007
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN T-8 WITH ELEC BALLAST-TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	23.6	34.5	13	0.003
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	GROCERY	4,773	85%	22.6	34.5	57	0.010
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	HEALTH/MEDICAL - NURSING HOME	2,848	72%	22.6	34.5	34	0.009
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	OFFICE - LARGE	2,030	63%	22.6	34.5	24	0.007
Linear	SDGE3020	LIGHTING-3 FT 2ND GEN. T-8 WITH ELEC. BALLAST	RETAIL - SINGLE-STORY LARGE	2,813	82%	22.6	34.5	33	0.010
Linear	SDGE3020	LIGHTING-4 FT PREMIUM T-8 WITH ELEC. BALLAST	OFFICE - SMALL	2,199	62%	28.0	40.9	28	0.008
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	ASSEMBLY	1,224	26%	53.0	63.2	12	0.003
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	AVERAGE	2,059	50%	53.0	63.2	21	0.005
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	EDUCATION - SECONDARY SCHOOL	1,222	24%	53.0	63.2	12	0.002
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	EDUCATION - UNIVERSITY	2,427	63%	53.0	63.2	25	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	GROCERY	4,773	85%	53.0	63.2	49	0.009

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	HEALTH/MEDICAL - HOSPITAL	2,813	74%	53.0	63.2	29	0.008
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	LODGING	4,100	56%	53.0	63.2	42	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	53.0	63.2	23	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	OFFICE - LARGE	2,030	63%	53.0	63.2	21	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	OFFICE - SMALL	2,199	62%	53.0	63.2	22	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	RESTAURANT - FAST-FOOD	2,958	48%	53.0	63.2	30	0.005
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	RESTAURANT - SIT-DOWN	3,586	65%	53.0	63.2	37	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	53.0	63.2	29	0.008
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	RETAIL - SMALL	2,534	69%	53.0	63.2	26	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	STORAGE - CONDITIONED	2,427	63%	53.0	63.2	25	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR1	STORAGE - UNCONDITIONED	2,343	68%	53.0	63.2	24	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	ASSEMBLY	1,224	26%	52.9	63.2	13	0.003
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	AVERAGE	2,059	50%	52.9	63.2	21	0.005
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	EDUCATION - SECONDARY SCHOOL	1,222	24%	52.9	63.2	13	0.002
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	GROCERY	4,773	85%	52.9	63.2	49	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	52.9	63.2	23	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	OFFICE - LARGE	2,030	63%	52.9	63.2	21	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	OFFICE - SMALL	2,199	62%	52.9	63.2	23	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	RESTAURANT - FAST-FOOD	2,958	48%	52.9	63.2	30	0.005
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	RESTAURANT - SIT-DOWN	3,586	65%	52.9	63.2	37	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	RETAIL - SINGLE-STORY LARGE	2,813	82%	52.9	63.2	29	0.008
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	RETAIL - SMALL	2,534	69%	52.9	63.2	26	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	STORAGE - CONDITIONED	2,427	63%	52.9	63.2	25	0.006
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR2	STORAGE - UNCONDITIONED	2,343	68%	52.9	63.2	24	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR3	AVERAGE	2,059	50%	53.3	67.5	29	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR3	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	53.3	67.5	32	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR3	OFFICE - SMALL	2,199	62%	53.3	67.5	31	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR3	RESTAURANT - FAST-FOOD	2,958	48%	53.3	67.5	42	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR3	RETAIL - SMALL	2,534	69%	53.3	67.5	36	0.010
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR3	STORAGE - CONDITIONED	2,427	63%	53.3	67.5	34	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC BALLAST-TR3	STORAGE - UNCONDITIONED	2,343	68%	53.3	67.5	33	0.010
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	ASSEMBLY	1,224	26%	52.9	67.5	18	0.004
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	AVERAGE	2,059	50%	52.9	67.5	30	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	EDUCATION - COMMUNITY COLLEGE	2,137	50%	52.9	67.5	31	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	EDUCATION - PRIMARY SCHOOL	2,343	54%	52.9	67.5	34	0.008
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	EDUCATION - SECONDARY SCHOOL	1,222	24%	52.9	67.5	18	0.004
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	GROCERY	4,773	85%	52.9	67.5	70	0.012
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	52.9	67.5	33	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	OFFICE - LARGE	2,030	63%	52.9	67.5	30	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	OFFICE - SMALL	2,199	62%	52.9	67.5	32	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	RESTAURANT - FAST-FOOD	2,958	48%	52.9	67.5	43	0.007
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	RESTAURANT - SIT-DOWN	3,586	65%	52.9	67.5	52	0.010
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	RETAIL - SINGLE-STORY LARGE	2,813	82%	52.9	67.5	41	0.012
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	RETAIL - SMALL	2,534	69%	52.9	67.5	37	0.010
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	STORAGE - CONDITIONED	2,427	63%	52.9	67.5	35	0.009
Linear	SDGE3020	LIGHTING-8 FT T-8 WITH ELEC. BALLAST	STORAGE - UNCONDITIONED	2,343	68%	52.9	67.5	34	0.010
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE 27-65W FLRSCNT FXTR	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	61.1	120.0	133	0.037
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE 27-65W FLRSCNT FXTR	OFFICE - SMALL	2,199	62%	61.1	120.0	130	0.036
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE 66-90W FLRSCNT FXTR	HEALTH/MEDICAL - NURSING HOME	2,848	72%	61.1	89.3	80	0.020
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE 66-90W FLRSCNT FXTR	OFFICE - LARGE	2,030	63%	61.1	89.3	57	0.018
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE 66-90W FLRSCNT FXTR	OFFICE - SMALL	2,199	62%	61.1	89.3	62	0.017
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE 66-90W FLRSCNT FXTR	RETAIL - SMALL	2,534	69%	61.1	89.3	71	0.019
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	ASSEMBLY	1,224	26%	61.1	200.0	170	0.036
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	HEALTH/MEDICAL - NURSING HOME	2,848	72%	61.1	200.0	396	0.100
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	61.1	200.0	313	0.087
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	OFFICE - LARGE	2,030	63%	61.1	200.0	282	0.087
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	OFFICE - SMALL	2,199	62%	61.1	200.0	305	0.086
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	RESTAURANT - SIT-DOWN	3,586	65%	61.1	200.0	498	0.090
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	RETAIL - SINGLE-STORY LARGE	2,813	82%	61.1	200.0	391	0.114
Linear	SDGE3020	LIGHTING-HARDWIRE INCAN BASE >90W FLRSCNT FXTR	RETAIL - SMALL	2,534	69%	61.1	200.0	352	0.096
Linear	SDGE3020	LIGHTING-HARDWIRE MERC VAP BASE>90W FLRSCNT FXTR	HEALTH/MEDICAL - NURSING HOME	2,848	72%	61.1	89.3	80	0.020
Linear	SDGE3020	LIGHTING-HARDWIRE MERC VAP BASE>90W FLRSCNT FXTR	OFFICE - SMALL	2,199	62%	61.1	89.3	62	0.017
Linear	SDGE3020	LIGHTING-HARDWIRE MERC VAP BASE>90W FLRSCNT FXTR	STORAGE - CONDITIONED	2,427	63%	61.1	89.3	68	0.018
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	ASSEMBLY	1,224	26%	196.9	208.5	14	0.003
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	EDUCATION - SECONDARY SCHOOL	1,222	24%	196.9	208.5	14	0.003
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	196.9	208.5	26	0.007
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	OFFICE - SMALL	2,199	62%	196.9	208.5	26	0.007
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	RESTAURANT - SIT-DOWN	3,586	65%	196.9	208.5	42	0.008

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	RETAIL - SINGLE-STORY LARGE	2,813	82%	196.9	208.5	33	0.009
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	RETAIL - SMALL	2,534	69%	196.9	208.5	29	0.008
Linear	SDGE3020	LIGHTING-HGH OTPT 4/6 LMP T5/T8 FXTR (HI BY APP)	STORAGE - UNCONDITIONED	2,343	68%	196.9	208.5	27	0.008
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	ASSEMBLY	1,224	26%	61.1	89.3	34	0.007
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	AVERAGE	2,059	50%	61.1	89.3	58	0.014
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	EDUCATION - SECONDARY SCHOOL	1,222	24%	61.1	89.3	34	0.007
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	GROCERY	4,773	85%	61.1	89.3	134	0.024
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	LODGING	4,100	56%	61.1	89.3	115	0.016
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	OFFICE - SMALL	2,199	62%	61.1	89.3	62	0.017
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	RESTAURANT - FAST-FOOD	2,958	48%	61.1	89.3	83	0.014
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	61.1	89.3	79	0.023
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR1	RETAIL - SMALL	2,534	69%	61.1	89.3	71	0.019
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR2	RETAIL - SMALL	2,534	69%	61.1	89.3	71	0.019
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 27-65W FLRSCNT FXTR -TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	61.1	89.3	34	0.007
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 66-90W FLRSCNT FXTR -TR1	AVERAGE	2,059	50%	61.1	89.3	58	0.014
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 66-90W FLRSCNT FXTR -TR1	RETAIL - SMALL	2,534	69%	61.1	89.3	71	0.019
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 66-90W FLRSCNT FXTR -TR2	RETAIL - SMALL	2,534	69%	61.1	89.3	71	0.019
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE 66-90W FLRSCNT FXTR -TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	61.1	89.3	34	0.007
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	AVERAGE	2,059	50%	29.2	89.3	124	0.030
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	GROCERY	4,773	85%	29.2	89.3	287	0.051
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	LODGING	4,100	56%	29.2	89.3	246	0.034
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	OFFICE - SMALL	2,199	62%	29.2	89.3	132	0.037
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	RESTAURANT - FAST-FOOD	2,958	48%	29.2	89.3	178	0.029
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	29.2	89.3	169	0.049
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR1	RETAIL - SMALL	2,534	69%	29.2	89.3	152	0.042
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR2	OFFICE - SMALL	2,199	62%	61.1	89.3	62	0.017
Linear	SDGE3020	LIGHTING-HRDWR INCAN BASE>90 W FLRSCNT FXTRE-TR2	RETAIL - SMALL	2,534	69%	61.1	89.3	71	0.019
Linear	SDGE3020	LIGHTING-HRDWR MRC VP BS 27-65W FLRSCNT FXTR -TR1	OFFICE - SMALL	2,199	62%	61.1	89.3	62	0.017
Linear	SDGE3020	LIGHTING-HRDWR MRC VP BS 27-65W FLRSCNT FXTR -TR1	RETAIL - SMALL	2,534	69%	61.1	89.3	71	0.019
Linear	SDGE3020	LIGHTING-HRDWR MRC VP BS 27-65W FLRSCNT FXTR -TR2	OFFICE - LARGE	2,030	63%	61.1	89.3	57	0.018
Linear	SDGE3020	LIGHTING-HRDWR MRC VP BS 27-65W FLRSCNT FXTR -TR2	OFFICE - SMALL	2,199	62%	61.1	89.3	62	0.017
Linear	SDGE3020	LIGHTING-HRDWR MRC VP BS 66-90W FLRSCNT FXTR -TR1	EDUCATION - SECONDARY SCHOOL	1,222	24%	61.1	89.3	34	0.007
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR1	ASSEMBLY	1,224	26%	-	24.8	30	0.006
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR1	AVERAGE	2,059	50%	-	24.8	51	0.013
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR1	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	24.8	70	0.018
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	24.8	56	0.016
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR1	OFFICE - SMALL	2,199	62%	-	24.8	55	0.015
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	24.8	70	0.020
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR2	AVERAGE	2,059	50%	-	24.8	51	0.013
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR2	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	24.8	56	0.016
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR2	OFFICE - SMALL	2,199	62%	-	24.8	55	0.015
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR3	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	24.8	56	0.016
Linear	SDGE3020	LIGHTING-REMOVE 2 FT LAMP (DE-LAMP) - TR3	OFFICE - SMALL	2,199	62%	-	24.8	55	0.015
Linear	SDGE3020	LIGHTING-REMOVE 2 FT T-8 (DE-LAMP)	ASSEMBLY	1,224	26%	-	24.8	30	0.006
Linear	SDGE3020	LIGHTING-REMOVE 2 FT T-8 (DE-LAMP)	AVERAGE	2,059	50%	-	24.8	51	0.013
Linear	SDGE3020	LIGHTING-REMOVE 2 FT T-8 (DE-LAMP)	OFFICE - SMALL	2,199	62%	-	24.8	55	0.015
Linear	SDGE3020	LIGHTING-REMOVE 2 FT T-8 (DE-LAMP)	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	24.8	70	0.020
Linear	SDGE3020	LIGHTING-REMOVE 2 FT T-8 (DE-LAMP)	RETAIL - SMALL	2,534	69%	-	24.8	63	0.017
Linear	SDGE3020	LIGHTING-REMOVE 3 FT LAMP (DE-LAMP) - TR1	ASSEMBLY	1,224	26%	-	34.5	42	0.009
Linear	SDGE3020	LIGHTING-REMOVE 3 FT LAMP (DE-LAMP) - TR1	OFFICE - LARGE	2,030	63%	-	34.5	70	0.022
Linear	SDGE3020	LIGHTING-REMOVE 3 FT LAMP (DE-LAMP) - TR1	OFFICE - SMALL	2,199	62%	-	34.5	76	0.021
Linear	SDGE3020	LIGHTING-REMOVE 3 FT LAMP (DE-LAMP) - TR1	RESTAURANT - SIT-DOWN	3,586	65%	-	34.5	124	0.022
Linear	SDGE3020	LIGHTING-REMOVE 3 FT LAMP (DE-LAMP) - TR1	RETAIL - SMALL	2,534	69%	-	34.5	87	0.024
Linear	SDGE3020	LIGHTING-REMOVE 3 FT LAMP (DE-LAMP) - TR2	OFFICE - SMALL	2,199	62%	-	34.5	76	0.021
Linear	SDGE3020	LIGHTING-REMOVE 3 FT LAMP (DE-LAMP) - TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	34.5	42	0.008
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	ASSEMBLY	1,224	26%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	AVERAGE	2,059	50%	-	40.9	84	0.021
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	40.9	87	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	EDUCATION - PRIMARY SCHOOL	2,343	54%	-	40.9	96	0.022
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	EDUCATION - UNIVERSITY	2,427	63%	-	40.9	99	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	GROCERY	4,773	85%	-	40.9	195	0.035
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	40.9	115	0.030
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	HEALTH/MEDICAL - NURSING HOME	2,848	72%	-	40.9	116	0.030
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	LODGING	4,100	56%	-	40.9	168	0.023
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	40.9	92	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	OFFICE - LARGE	2,030	63%	-	40.9	83	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	OFFICE - SMALL	2,199	62%	-	40.9	90	0.025



HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	RESTAURANT - FAST-FOOD	2,958	48%	-	40.9	121	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	RESTAURANT - SIT-DOWN	3,586	65%	-	40.9	147	0.027
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	RETAIL - MULTISTORY LARGE	2,630	75%	-	40.9	108	0.031
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	40.9	115	0.033
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	RETAIL - SMALL	2,534	69%	-	40.9	104	0.028
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	STORAGE - CONDITIONED	2,427	63%	-	40.9	99	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR1	STORAGE - UNCONDITIONED	2,343	68%	-	40.9	96	0.028
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	ASSEMBLY	1,224	26%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	AVERAGE	2,059	50%	-	40.9	84	0.021
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	40.9	87	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	EDUCATION - PRIMARY SCHOOL	2,343	54%	-	40.9	96	0.022
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	EDUCATION - UNIVERSITY	2,427	63%	-	40.9	99	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	GROCERY	4,773	85%	-	40.9	195	0.035
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	40.9	115	0.030
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	40.9	92	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	OFFICE - LARGE	2,030	63%	-	40.9	83	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	OFFICE - SMALL	2,199	62%	-	40.9	90	0.025
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	RESTAURANT - FAST-FOOD	2,958	48%	-	40.9	121	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	RESTAURANT - SIT-DOWN	3,586	65%	-	40.9	147	0.027
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	40.9	115	0.033
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	RETAIL - SMALL	2,534	69%	-	40.9	104	0.028
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	STORAGE - CONDITIONED	2,427	63%	-	40.9	99	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP)	STORAGE - UNCONDITIONED	2,343	68%	-	40.9	96	0.028
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	ASSEMBLY	1,224	26%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	AVERAGE	2,059	50%	-	40.9	84	0.021
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	40.9	87	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	EDUCATION - PRIMARY SCHOOL	2,343	54%	-	40.9	96	0.022
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	EDUCATION - UNIVERSITY	2,427	63%	-	40.9	99	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	GROCERY	4,773	85%	-	40.9	195	0.035
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	40.9	115	0.030
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	LODGING	4,100	56%	-	40.9	168	0.023
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	40.9	92	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	OFFICE - LARGE	2,030	63%	-	40.9	83	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	OFFICE - SMALL	2,199	62%	-	40.9	90	0.025
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	RESTAURANT - FAST-FOOD	2,958	48%	-	40.9	121	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	RESTAURANT - SIT-DOWN	3,586	65%	-	40.9	147	0.027
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	RETAIL - MULTISTORY LARGE	2,630	75%	-	40.9	108	0.031
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	40.9	115	0.033
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	RETAIL - SMALL	2,534	69%	-	40.9	104	0.028
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	STORAGE - CONDITIONED	2,427	63%	-	40.9	99	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR2	STORAGE - UNCONDITIONED	2,343	68%	-	40.9	96	0.028
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	ASSEMBLY	1,224	26%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	AVERAGE	2,059	50%	-	40.9	84	0.021
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	EDUCATION - COMMUNITY COLLEGE	2,137	50%	-	40.9	87	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	EDUCATION - PRIMARY SCHOOL	2,343	54%	-	40.9	96	0.022
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	40.9	50	0.010
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	GROCERY	4,773	85%	-	40.9	195	0.035
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	HEALTH/MEDICAL - HOSPITAL	2,813	74%	-	40.9	115	0.030
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	40.9	92	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	OFFICE - LARGE	2,030	63%	-	40.9	83	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	OFFICE - SMALL	2,199	62%	-	40.9	90	0.025
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	RESTAURANT - FAST-FOOD	2,958	48%	-	40.9	121	0.020
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	RESTAURANT - SIT-DOWN	3,586	65%	-	40.9	147	0.027
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	40.9	115	0.033
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	RETAIL - SMALL	2,534	69%	-	40.9	104	0.028
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	STORAGE - CONDITIONED	2,427	63%	-	40.9	99	0.026
Linear	SDGE3020	LIGHTING-REMOVE 4 FT LAMP (DE-LAMP) - TR3	STORAGE - UNCONDITIONED	2,343	68%	-	40.9	96	0.028
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	ASSEMBLY	1,224	26%	-	67.5	83	0.017
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	AVERAGE	2,059	50%	-	67.5	139	0.034
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	67.5	82	0.016
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	GROCERY	4,773	85%	-	67.5	322	0.057
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	67.5	152	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	OFFICE - SMALL	2,199	62%	-	67.5	148	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	RESTAURANT - SIT-DOWN	3,586	65%	-	67.5	242	0.044
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	67.5	190	0.055
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	RETAIL - SMALL	2,534	69%	-	67.5	171	0.047

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR1	STORAGE - UNCONDITIONED	2,343	68%	-	67.5	158	0.046
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	ASSEMBLY	1,224	26%	-	67.5	83	0.017
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	AVERAGE	2,059	50%	-	67.5	139	0.034
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	GROCERY	4,773	85%	-	67.5	322	0.057
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	67.5	152	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	OFFICE - LARGE	2,030	63%	-	67.5	137	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	OFFICE - SMALL	2,199	62%	-	67.5	148	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	RESTAURANT - FAST-FOOD	2,958	48%	-	67.5	200	0.033
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	RESTAURANT - SIT-DOWN	3,586	65%	-	67.5	242	0.044
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	67.5	190	0.055
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	RETAIL - SMALL	2,534	69%	-	67.5	171	0.047
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	STORAGE - CONDITIONED	2,427	63%	-	67.5	164	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR2	STORAGE - UNCONDITIONED	2,343	68%	-	67.5	158	0.046
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	AVERAGE	2,059	50%	-	67.5	139	0.034
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	EDUCATION - PRIMARY SCHOOL	2,343	54%	-	67.5	158	0.037
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	67.5	82	0.016
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	67.5	152	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	OFFICE - LARGE	2,030	63%	-	67.5	137	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	OFFICE - SMALL	2,199	62%	-	67.5	148	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	RESTAURANT - FAST-FOOD	2,958	48%	-	67.5	200	0.033
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	67.5	190	0.055
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	RETAIL - SMALL	2,534	69%	-	67.5	171	0.047
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	STORAGE - CONDITIONED	2,427	63%	-	67.5	164	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT LAMP (DE-LAMP) - TR3	STORAGE - UNCONDITIONED	2,343	68%	-	67.5	158	0.046
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	ASSEMBLY	1,224	26%	-	67.5	83	0.017
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	EDUCATION - PRIMARY SCHOOL	2,343	54%	-	67.5	158	0.037
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	GROCERY	4,773	85%	-	67.5	322	0.057
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	67.5	152	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	OFFICE - LARGE	2,030	63%	-	67.5	137	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	OFFICE - SMALL	2,199	62%	-	67.5	148	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	RESTAURANT - SIT-DOWN	3,586	65%	-	67.5	242	0.044
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	67.5	190	0.055
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	RETAIL - SMALL	2,534	69%	-	67.5	171	0.047
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	STORAGE - CONDITIONED	2,427	63%	-	67.5	164	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP)	STORAGE - UNCONDITIONED	2,343	68%	-	67.5	158	0.046
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	ASSEMBLY	1,224	26%	-	67.5	83	0.017
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	AVERAGE	2,059	50%	-	67.5	139	0.034
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	EDUCATION - SECONDARY SCHOOL	1,222	24%	-	67.5	82	0.016
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	EDUCATION - UNIVERSITY	2,427	63%	-	67.5	164	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	GROCERY	4,773	85%	-	67.5	322	0.057
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	-	67.5	152	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	OFFICE - LARGE	2,030	63%	-	67.5	137	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	OFFICE - SMALL	2,199	62%	-	67.5	148	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	RESTAURANT - FAST-FOOD	2,958	48%	-	67.5	200	0.033
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	RESTAURANT - SIT-DOWN	3,586	65%	-	67.5	242	0.044
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	RETAIL - MULTISTORY LARGE	2,630	75%	-	67.5	178	0.051
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	-	67.5	190	0.055
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	RETAIL - SMALL	2,534	69%	-	67.5	171	0.047
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	STORAGE - CONDITIONED	2,427	63%	-	67.5	164	0.042
Linear	SDGE3020	LIGHTING-REMOVE 8 FT T-8 (DE-LAMP) - TR1	STORAGE - UNCONDITIONED	2,343	68%	-	67.5	158	0.046
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	ASSEMBLY	1,224	26%	28.2	32.1	5	0.001
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	AVERAGE	2,059	50%	28.2	32.1	8	0.002
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	EDUCATION - COMMUNITY COLLEGE	2,137	50%	28.2	32.1	8	0.002
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	EDUCATION - SECONDARY SCHOOL	1,222	24%	28.2	32.1	5	0.001
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	GROCERY	4,773	85%	28.2	32.1	19	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	HEALTH/MEDICAL - HOSPITAL	2,813	74%	28.2	32.1	11	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	28.2	32.1	9	0.002
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	OFFICE - LARGE	2,030	63%	28.2	32.1	8	0.002
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	OFFICE - SMALL	2,199	62%	28.2	32.1	9	0.002
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	RESTAURANT - FAST-FOOD	2,958	48%	28.2	32.1	12	0.002
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	RESTAURANT - SIT-DOWN	3,586	65%	28.2	32.1	14	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	RETAIL - SINGLE-STORY LARGE	2,813	82%	28.2	32.1	11	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	RETAIL - SMALL	2,534	69%	28.2	32.1	10	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	STORAGE - CONDITIONED	2,427	63%	28.2	32.1	9	0.002
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE	STORAGE - UNCONDITIONED	2,343	68%	28.2	32.1	9	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	AVERAGE	2,059	50%	28.6	43.6	31	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	GROCERY	4,773	85%	28.6	43.6	72	0.013
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	28.6	43.6	34	0.009

HIM	eegeCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	OFFICE - LARGE	2,030	63%	28.6	43.6	30	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	OFFICE - SMALL	2,199	62%	28.6	43.6	33	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	RESTAURANT - FAST-FOOD	2,958	48%	28.6	43.6	44	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	RESTAURANT - SIT-DOWN	3,586	65%	28.6	43.6	54	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	28.6	43.6	42	0.012
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	RETAIL - SMALL	2,534	69%	28.6	43.6	38	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR1	STORAGE - CONDITIONED	2,427	63%	28.6	43.6	36	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	ASSEMBLY	1,224	26%	29.2	40.9	14	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	EDUCATION - COMMUNITY COLLEGE	2,137	50%	29.2	40.9	25	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	EDUCATION - PRIMARY SCHOOL	2,343	54%	29.2	40.9	27	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	GROCERY	4,773	85%	29.2	40.9	56	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	29.2	40.9	26	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	OFFICE - LARGE	2,030	63%	29.2	40.9	24	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	OFFICE - SMALL	2,199	62%	29.2	40.9	26	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	RETAIL - SINGLE-STORY LARGE	2,813	82%	29.2	40.9	33	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR2	RETAIL - SMALL	2,534	69%	29.2	40.9	30	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	28.0	40.9	16	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR3	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	28.0	40.9	29	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR3	OFFICE - LARGE	2,030	63%	28.0	40.9	26	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR3	OFFICE - SMALL	2,199	62%	28.0	40.9	28	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR3	RETAIL - SINGLE-STORY LARGE	2,813	82%	28.0	40.9	36	0.011
Linear	SDGE3020	PREMIUM T8 WITH T12 34WATT BASELINE - TR3	RETAIL - SMALL	2,534	69%	28.0	40.9	33	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	ASSEMBLY	1,224	26%	27.9	54.4	32	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	AVERAGE	2,059	50%	27.9	54.4	55	0.013
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	EDUCATION - COMMUNITY COLLEGE	2,137	50%	27.9	54.4	57	0.013
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	EDUCATION - PRIMARY SCHOOL	2,343	54%	27.9	54.4	62	0.014
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	EDUCATION - SECONDARY SCHOOL	1,222	24%	27.9	54.4	32	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	EDUCATION - UNIVERSITY	2,427	63%	27.9	54.4	64	0.017
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	GROCERY	4,773	85%	27.9	54.4	126	0.023
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	HEALTH/MEDICAL - HOSPITAL	2,813	74%	27.9	54.4	75	0.020
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	HEALTH/MEDICAL - NURSING HOME	2,848	72%	27.9	54.4	75	0.019
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	27.9	54.4	60	0.017
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	OFFICE - LARGE	2,030	63%	27.9	54.4	54	0.017
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	OFFICE - SMALL	2,199	62%	27.9	54.4	58	0.016
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	RESTAURANT - FAST-FOOD	2,958	48%	27.9	54.4	78	0.013
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	RESTAURANT - SIT-DOWN	3,586	65%	27.9	54.4	95	0.017
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	RETAIL - MULTISTORY LARGE	2,630	75%	27.9	54.4	70	0.020
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	RETAIL - SINGLE-STORY LARGE	2,813	82%	27.9	54.4	75	0.022
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	RETAIL - SMALL	2,534	69%	27.9	54.4	67	0.018
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	STORAGE - CONDITIONED	2,427	63%	27.9	54.4	64	0.017
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE	STORAGE - UNCONDITIONED	2,343	68%	27.9	54.4	62	0.018
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	ASSEMBLY	1,224	26%	27.8	40.1	15	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	AVERAGE	2,059	50%	27.8	40.1	25	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	EDUCATION - COMMUNITY COLLEGE	2,137	50%	27.8	40.1	26	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	EDUCATION - PRIMARY SCHOOL	2,343	54%	27.8	40.1	29	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	EDUCATION - SECONDARY SCHOOL	1,222	24%	27.8	40.1	15	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	EDUCATION - UNIVERSITY	2,427	63%	27.8	40.1	30	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	GROCERY	4,773	85%	27.8	40.1	59	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	HEALTH/MEDICAL - HOSPITAL	2,813	74%	27.8	40.1	35	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	HEALTH/MEDICAL - NURSING HOME	2,848	72%	27.8	40.1	35	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	LODGING	4,100	56%	27.8	40.1	50	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	27.8	40.1	28	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	OFFICE - LARGE	2,030	63%	27.8	40.1	25	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	OFFICE - SMALL	2,199	62%	27.8	40.1	27	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	RESTAURANT - FAST-FOOD	2,958	48%	27.8	40.1	36	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	RESTAURANT - SIT-DOWN	3,586	65%	27.8	40.1	44	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	RETAIL - MULTISTORY LARGE	2,630	75%	27.8	40.1	32	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	RETAIL - SINGLE-STORY LARGE	2,813	82%	27.8	40.1	35	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	RETAIL - SMALL	2,534	69%	27.8	40.1	31	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	STORAGE - CONDITIONED	2,427	63%	27.8	40.1	30	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR1	STORAGE - UNCONDITIONED	2,343	68%	27.8	40.1	29	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	ASSEMBLY	1,224	26%	27.5	40.2	16	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	AVERAGE	2,059	50%	27.5	40.2	26	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	EDUCATION - COMMUNITY COLLEGE	2,137	50%	27.5	40.2	27	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	EDUCATION - PRIMARY SCHOOL	2,343	54%	27.5	40.2	30	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	EDUCATION - SECONDARY SCHOOL	1,222	24%	27.5	40.2	16	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	EDUCATION - UNIVERSITY	2,427	63%	27.5	40.2	31	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	GROCERY	4,773	85%	27.5	40.2	61	0.011

HIM	eegaCode	measureName	EDDEERBuildingType	OpHours_toUse	%CoincPeak	PostWattage	PreWattage	UES_kWh	UES_kW
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	HEALTH/MEDICAL - HOSPITAL	2,813	74%	27.5	40.2	36	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	LODGING	4,100	56%	27.5	40.2	52	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	27.5	40.2	29	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	OFFICE - LARGE	2,030	63%	27.5	40.2	26	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	OFFICE - SMALL	2,199	62%	27.5	40.2	28	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	RESTAURANT - FAST-FOOD	2,958	48%	27.5	40.2	38	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	RESTAURANT - SIT-DOWN	3,586	65%	27.5	40.2	46	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	RETAIL - MULTISTORY LARGE	2,630	75%	27.5	40.2	33	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	RETAIL - SINGLE-STORY LARGE	2,813	82%	27.5	40.2	36	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	RETAIL - SMALL	2,534	69%	27.5	40.2	32	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	STORAGE - CONDITIONED	2,427	63%	27.5	40.2	31	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR2	STORAGE - UNCONDITIONED	2,343	68%	27.5	40.2	30	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	ASSEMBLY	1,224	26%	26.5	38.0	14	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	AVERAGE	2,059	50%	26.5	38.0	24	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	EDUCATION - COMMUNITY COLLEGE	2,137	50%	26.5	38.0	25	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	EDUCATION - PRIMARY SCHOOL	2,343	54%	26.5	38.0	27	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	EDUCATION - SECONDARY SCHOOL	1,222	24%	26.5	38.0	14	0.003
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	GROCERY	4,773	85%	26.5	38.0	55	0.010
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	HEALTH/MEDICAL - HOSPITAL	2,813	74%	26.5	38.0	32	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	MANUFACTURING - LIGHT INDUSTRIAL	2,250	63%	26.5	38.0	26	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	OFFICE - LARGE	2,030	63%	26.5	38.0	23	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	OFFICE - SMALL	2,199	62%	26.5	38.0	25	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	RESTAURANT - FAST-FOOD	2,958	48%	26.5	38.0	34	0.006
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	RESTAURANT - SIT-DOWN	3,586	65%	26.5	38.0	41	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	RETAIL - SINGLE-STORY LARGE	2,813	82%	26.5	38.0	32	0.009
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	RETAIL - SMALL	2,534	69%	26.5	38.0	29	0.008
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	STORAGE - CONDITIONED	2,427	63%	26.5	38.0	28	0.007
Linear	SDGE3020	PREMIUM T8 WITH T12 40 WATT BASELINE - TR3	STORAGE - UNCONDITIONED	2,343	68%	26.5	38.0	27	0.008

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 03	Agriculture	3,521	45%	3.0	14.8	41.6	0.005
UpCFL	PGE	Upstream CFL - 03	Assembly	1,617	18%	3.0	14.8	19.1	0.002
UpCFL	PGE	Upstream CFL - 03	Communications	1,032	45%	3.0	14.8	12.2	0.005
UpCFL	PGE	Upstream CFL - 03	Construction	3,303	18%	3.0	14.8	39.0	0.002
UpCFL	PGE	Upstream CFL - 03	Education - Other	2,608	23%	3.0	14.8	30.8	0.003
UpCFL	PGE	Upstream CFL - 03	Education - Secondary School	3,278	30%	3.0	14.8	38.7	0.004
UpCFL	PGE	Upstream CFL - 03	Health/Medical	2,489	58%	3.0	14.8	29.4	0.007
UpCFL	PGE	Upstream CFL - 03	Lodging	1,083	13%	3.0	14.8	12.8	0.002
UpCFL	PGE	Upstream CFL - 03	Manufacturing - Light Industrial	2,436	30%	3.0	14.8	28.8	0.004
UpCFL	PGE	Upstream CFL - 03	Missing	2,687	40%	3.0	14.8	31.7	0.005
UpCFL	PGE	Upstream CFL - 03	Office - Small	3,050	58%	3.0	14.8	36.0	0.007
UpCFL	PGE	Upstream CFL - 03	Restaurant	3,705	54%	3.0	14.8	43.8	0.006
UpCFL	PGE	Upstream CFL - 03	Retail	3,243	55%	3.0	14.8	38.3	0.007
UpCFL	PGE	Upstream CFL - 03	Sic 20 Food & Kindred Products	2,669	53%	3.0	14.8	31.5	0.006
UpCFL	PGE	Upstream CFL - 03	Unknown	2,559	53%	3.0	14.8	30.2	0.006
UpCFL	PGE	Upstream CFL - 03	Utilities	4,052	59%	3.0	14.8	47.8	0.007
UpCFL	PGE	Upstream CFL - 03	Warehouse	3,980	77%	3.0	14.8	47.0	0.009
UpCFL	PGE	Upstream CFL - 04	Agriculture	3,521	45%	4.0	19.8	55.5	0.007
UpCFL	PGE	Upstream CFL - 04	Assembly	1,617	18%	4.0	19.8	25.5	0.003
UpCFL	PGE	Upstream CFL - 04	Communications	1,032	45%	4.0	19.8	16.3	0.007
UpCFL	PGE	Upstream CFL - 04	Construction	3,303	18%	4.0	19.8	52.0	0.003
UpCFL	PGE	Upstream CFL - 04	Education - Other	2,608	23%	4.0	19.8	41.1	0.004
UpCFL	PGE	Upstream CFL - 04	Education - Secondary School	3,278	30%	4.0	19.8	51.6	0.005
UpCFL	PGE	Upstream CFL - 04	Health/Medical	2,489	58%	4.0	19.8	39.2	0.009
UpCFL	PGE	Upstream CFL - 04	Lodging	1,083	13%	4.0	19.8	17.1	0.002
UpCFL	PGE	Upstream CFL - 04	Manufacturing - Light Industrial	2,436	30%	4.0	19.8	38.4	0.005
UpCFL	PGE	Upstream CFL - 04	Missing	2,687	40%	4.0	19.8	42.3	0.006
UpCFL	PGE	Upstream CFL - 04	Office - Small	3,050	58%	4.0	19.8	48.0	0.009
UpCFL	PGE	Upstream CFL - 04	Restaurant	3,705	54%	4.0	19.8	58.4	0.008
UpCFL	PGE	Upstream CFL - 04	Retail	3,243	55%	4.0	19.8	51.1	0.009
UpCFL	PGE	Upstream CFL - 04	Sic 20 Food & Kindred Products	2,669	53%	4.0	19.8	42.0	0.008
UpCFL	PGE	Upstream CFL - 04	Unknown	2,559	53%	4.0	19.8	40.3	0.008
UpCFL	PGE	Upstream CFL - 04	Utilities	4,052	59%	4.0	19.8	63.8	0.009
UpCFL	PGE	Upstream CFL - 04	Warehouse	3,980	77%	4.0	19.8	62.7	0.012
UpCFL	PGE	Upstream CFL - 05	Agriculture	3,521	45%	5.0	24.7	69.3	0.009
UpCFL	PGE	Upstream CFL - 05	Assembly	1,617	18%	5.0	24.7	31.8	0.004
UpCFL	PGE	Upstream CFL - 05	Communications	1,032	45%	5.0	24.7	20.3	0.009
UpCFL	PGE	Upstream CFL - 05	Construction	3,303	18%	5.0	24.7	65.0	0.004
UpCFL	PGE	Upstream CFL - 05	Education - Other	2,608	23%	5.0	24.7	51.3	0.005
UpCFL	PGE	Upstream CFL - 05	Education - Secondary School	3,278	30%	5.0	24.7	64.5	0.006
UpCFL	PGE	Upstream CFL - 05	Health/Medical	2,489	58%	5.0	24.7	49.0	0.011
UpCFL	PGE	Upstream CFL - 05	Lodging	1,083	13%	5.0	24.7	21.3	0.003
UpCFL	PGE	Upstream CFL - 05	Manufacturing - Light Industrial	2,436	30%	5.0	24.7	48.0	0.006
UpCFL	PGE	Upstream CFL - 05	Missing	2,687	40%	5.0	24.7	52.9	0.008
UpCFL	PGE	Upstream CFL - 05	Office - Small	3,050	58%	5.0	24.7	60.1	0.011
UpCFL	PGE	Upstream CFL - 05	Restaurant	3,705	54%	5.0	24.7	73.0	0.011
UpCFL	PGE	Upstream CFL - 05	Retail	3,243	55%	5.0	24.7	63.9	0.011

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 05	Sic 20 Food & Kindred Products	2,669	53%	5.0	24.7	52.6	0.010
UpCFL	PGE	Upstream CFL - 05	Unknown	2,559	53%	5.0	24.7	50.4	0.010
UpCFL	PGE	Upstream CFL - 05	Utilities	4,052	59%	5.0	24.7	79.8	0.012
UpCFL	PGE	Upstream CFL - 05	Warehouse	3,980	77%	5.0	24.7	78.4	0.015
UpCFL	PGE	Upstream CFL - 06	Agriculture	3,521	45%	6.0	29.6	83.2	0.011
UpCFL	PGE	Upstream CFL - 06	Assembly	1,617	18%	6.0	29.6	38.2	0.004
UpCFL	PGE	Upstream CFL - 06	Communications	1,032	45%	6.0	29.6	24.4	0.011
UpCFL	PGE	Upstream CFL - 06	Construction	3,303	18%	6.0	29.6	78.0	0.004
UpCFL	PGE	Upstream CFL - 06	Education - Other	2,608	23%	6.0	29.6	61.6	0.005
UpCFL	PGE	Upstream CFL - 06	Education - Secondary School	3,278	30%	6.0	29.6	77.5	0.007
UpCFL	PGE	Upstream CFL - 06	Health/Medical	2,489	58%	6.0	29.6	58.8	0.014
UpCFL	PGE	Upstream CFL - 06	Lodging	1,083	13%	6.0	29.6	25.6	0.003
UpCFL	PGE	Upstream CFL - 06	Manufacturing - Light Industrial	2,436	30%	6.0	29.6	57.6	0.007
UpCFL	PGE	Upstream CFL - 06	Missing	2,687	40%	6.0	29.6	63.5	0.009
UpCFL	PGE	Upstream CFL - 06	Office - Small	3,050	58%	6.0	29.6	72.1	0.014
UpCFL	PGE	Upstream CFL - 06	Restaurant	3,705	54%	6.0	29.6	87.6	0.013
UpCFL	PGE	Upstream CFL - 06	Retail	3,243	55%	6.0	29.6	76.6	0.013
UpCFL	PGE	Upstream CFL - 06	Sic 20 Food & Kindred Products	2,669	53%	6.0	29.6	63.1	0.012
UpCFL	PGE	Upstream CFL - 06	Unknown	2,559	53%	6.0	29.6	60.5	0.012
UpCFL	PGE	Upstream CFL - 06	Utilities	4,052	59%	6.0	29.6	95.7	0.014
UpCFL	PGE	Upstream CFL - 06	Warehouse	3,980	77%	6.0	29.6	94.1	0.018
UpCFL	PGE	Upstream CFL - 07	Agriculture	3,521	45%	7.0	34.6	97.1	0.012
UpCFL	PGE	Upstream CFL - 07	Assembly	1,617	18%	7.0	34.6	44.6	0.005
UpCFL	PGE	Upstream CFL - 07	Communications	1,032	45%	7.0	34.6	28.4	0.012
UpCFL	PGE	Upstream CFL - 07	Construction	3,303	18%	7.0	34.6	91.1	0.005
UpCFL	PGE	Upstream CFL - 07	Education - Other	2,608	23%	7.0	34.6	71.9	0.006
UpCFL	PGE	Upstream CFL - 07	Education - Secondary School	3,278	30%	7.0	34.6	90.4	0.008
UpCFL	PGE	Upstream CFL - 07	Health/Medical	2,489	58%	7.0	34.6	68.6	0.016
UpCFL	PGE	Upstream CFL - 07	Lodging	1,083	13%	7.0	34.6	29.9	0.004
UpCFL	PGE	Upstream CFL - 07	Manufacturing - Light Industrial	2,436	30%	7.0	34.6	67.2	0.008
UpCFL	PGE	Upstream CFL - 07	Missing	2,687	40%	7.0	34.6	74.1	0.011
UpCFL	PGE	Upstream CFL - 07	Office - Small	3,050	58%	7.0	34.6	84.1	0.016
UpCFL	PGE	Upstream CFL - 07	Restaurant	3,705	54%	7.0	34.6	102.1	0.015
UpCFL	PGE	Upstream CFL - 07	Retail	3,243	55%	7.0	34.6	89.4	0.015
UpCFL	PGE	Upstream CFL - 07	Sic 20 Food & Kindred Products	2,669	53%	7.0	34.6	73.6	0.014
UpCFL	PGE	Upstream CFL - 07	Unknown	2,559	53%	7.0	34.6	70.6	0.015
UpCFL	PGE	Upstream CFL - 07	Utilities	4,052	59%	7.0	34.6	111.7	0.016
UpCFL	PGE	Upstream CFL - 07	Warehouse	3,980	77%	7.0	34.6	109.7	0.021
UpCFL	PGE	Upstream CFL - 08	Agriculture	3,521	45%	8.0	39.5	110.9	0.014
UpCFL	PGE	Upstream CFL - 08	Assembly	1,617	18%	8.0	39.5	50.9	0.006
UpCFL	PGE	Upstream CFL - 08	Communications	1,032	45%	8.0	39.5	32.5	0.014
UpCFL	PGE	Upstream CFL - 08	Construction	3,303	18%	8.0	39.5	104.0	0.006
UpCFL	PGE	Upstream CFL - 08	Education - Other	2,608	23%	8.0	39.5	82.1	0.007
UpCFL	PGE	Upstream CFL - 08	Education - Secondary School	3,278	30%	8.0	39.5	103.3	0.009
UpCFL	PGE	Upstream CFL - 08	Health/Medical	2,489	58%	8.0	39.5	78.4	0.018
UpCFL	PGE	Upstream CFL - 08	Lodging	1,083	13%	8.0	39.5	34.1	0.004
UpCFL	PGE	Upstream CFL - 08	Manufacturing - Light Industrial	2,436	30%	8.0	39.5	76.7	0.010

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 08	Missing	2,687	40%	8.0	39.5	84.6	0.013
UpCFL	PGE	Upstream CFL - 08	Office - Small	3,050	58%	8.0	39.5	96.1	0.018
UpCFL	PGE	Upstream CFL - 08	Restaurant	3,705	54%	8.0	39.5	116.7	0.017
UpCFL	PGE	Upstream CFL - 08	Retail	3,243	55%	8.0	39.5	102.2	0.017
UpCFL	PGE	Upstream CFL - 08	Sic 20 Food & Kindred Products	2,669	53%	8.0	39.5	84.1	0.017
UpCFL	PGE	Upstream CFL - 08	Unknown	2,559	53%	8.0	39.5	80.6	0.017
UpCFL	PGE	Upstream CFL - 08	Utilities	4,052	59%	8.0	39.5	127.6	0.019
UpCFL	PGE	Upstream CFL - 08	Warehouse	3,980	77%	8.0	39.5	125.4	0.024
UpCFL	PGE	Upstream CFL - 09	Agriculture	3,521	45%	9.0	44.4	124.8	0.016
UpCFL	PGE	Upstream CFL - 09	Assembly	1,617	18%	9.0	44.4	57.3	0.006
UpCFL	PGE	Upstream CFL - 09	Communications	1,032	45%	9.0	44.4	36.6	0.016
UpCFL	PGE	Upstream CFL - 09	Construction	3,303	18%	9.0	44.4	117.1	0.006
UpCFL	PGE	Upstream CFL - 09	Education - Other	2,608	23%	9.0	44.4	92.4	0.008
UpCFL	PGE	Upstream CFL - 09	Education - Secondary School	3,278	30%	9.0	44.4	116.2	0.011
UpCFL	PGE	Upstream CFL - 09	Health/Medical	2,489	58%	9.0	44.4	88.2	0.021
UpCFL	PGE	Upstream CFL - 09	Lodging	1,083	13%	9.0	44.4	38.4	0.005
UpCFL	PGE	Upstream CFL - 09	Manufacturing - Light Industrial	2,436	30%	9.0	44.4	86.3	0.011
UpCFL	PGE	Upstream CFL - 09	Missing	2,687	40%	9.0	44.4	95.2	0.014
UpCFL	PGE	Upstream CFL - 09	Office - Small	3,050	58%	9.0	44.4	108.1	0.020
UpCFL	PGE	Upstream CFL - 09	Restaurant	3,705	54%	9.0	44.4	131.3	0.019
UpCFL	PGE	Upstream CFL - 09	Retail	3,243	55%	9.0	44.4	114.9	0.020
UpCFL	PGE	Upstream CFL - 09	Sic 20 Food & Kindred Products	2,669	53%	9.0	44.4	94.6	0.019
UpCFL	PGE	Upstream CFL - 09	Unknown	2,559	53%	9.0	44.4	90.7	0.019
UpCFL	PGE	Upstream CFL - 09	Utilities	4,052	59%	9.0	44.4	143.6	0.021
UpCFL	PGE	Upstream CFL - 09	Warehouse	3,980	77%	9.0	44.4	141.1	0.027
UpCFL	PGE	Upstream CFL - 10	Agriculture	3,521	45%	10.0	49.4	138.7	0.018
UpCFL	PGE	Upstream CFL - 10	Assembly	1,617	18%	10.0	49.4	63.7	0.007
UpCFL	PGE	Upstream CFL - 10	Communications	1,032	45%	10.0	49.4	40.6	0.018
UpCFL	PGE	Upstream CFL - 10	Construction	3,303	18%	10.0	49.4	130.1	0.007
UpCFL	PGE	Upstream CFL - 10	Education - Other	2,608	23%	10.0	49.4	102.7	0.009
UpCFL	PGE	Upstream CFL - 10	Education - Secondary School	3,278	30%	10.0	49.4	129.1	0.012
UpCFL	PGE	Upstream CFL - 10	Health/Medical	2,489	58%	10.0	49.4	98.0	0.023
UpCFL	PGE	Upstream CFL - 10	Lodging	1,083	13%	10.0	49.4	42.6	0.005
UpCFL	PGE	Upstream CFL - 10	Manufacturing - Light Industrial	2,436	30%	10.0	49.4	95.9	0.012
UpCFL	PGE	Upstream CFL - 10	Missing	2,687	40%	10.0	49.4	105.8	0.016
UpCFL	PGE	Upstream CFL - 10	Office - Small	3,050	58%	10.0	49.4	120.1	0.023
UpCFL	PGE	Upstream CFL - 10	Restaurant	3,705	54%	10.0	49.4	145.9	0.021
UpCFL	PGE	Upstream CFL - 10	Retail	3,243	55%	10.0	49.4	127.7	0.022
UpCFL	PGE	Upstream CFL - 10	Sic 20 Food & Kindred Products	2,669	53%	10.0	49.4	105.1	0.021
UpCFL	PGE	Upstream CFL - 10	Unknown	2,559	53%	10.0	49.4	100.8	0.021
UpCFL	PGE	Upstream CFL - 10	Utilities	4,052	59%	10.0	49.4	159.6	0.023
UpCFL	PGE	Upstream CFL - 10	Warehouse	3,980	77%	10.0	49.4	156.8	0.030
UpCFL	PGE	Upstream CFL - 11	Agriculture	3,521	45%	11.0	54.3	152.5	0.019
UpCFL	PGE	Upstream CFL - 11	Assembly	1,617	18%	11.0	54.3	70.1	0.008
UpCFL	PGE	Upstream CFL - 11	Communications	1,032	45%	11.0	54.3	44.7	0.019
UpCFL	PGE	Upstream CFL - 11	Construction	3,303	18%	11.0	54.3	143.1	0.008
UpCFL	PGE	Upstream CFL - 11	Education - Other	2,608	23%	11.0	54.3	113.0	0.010

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 11	Education - Secondary School	3,278	30%	11.0	54.3	142.0	0.013
UpCFL	PGE	Upstream CFL - 11	Health/Medical	2,489	58%	11.0	54.3	107.8	0.025
UpCFL	PGE	Upstream CFL - 11	Lodging	1,083	13%	11.0	54.3	46.9	0.006
UpCFL	PGE	Upstream CFL - 11	Manufacturing - Light Industrial	2,436	30%	11.0	54.3	105.5	0.013
UpCFL	PGE	Upstream CFL - 11	Missing	2,687	40%	11.0	54.3	116.4	0.017
UpCFL	PGE	Upstream CFL - 11	Office - Small	3,050	58%	11.0	54.3	132.1	0.025
UpCFL	PGE	Upstream CFL - 11	Restaurant	3,705	54%	11.0	54.3	160.5	0.023
UpCFL	PGE	Upstream CFL - 11	Retail	3,243	55%	11.0	54.3	140.5	0.024
UpCFL	PGE	Upstream CFL - 11	Sic 20 Food & Kindred Products	2,669	53%	11.0	54.3	115.6	0.023
UpCFL	PGE	Upstream CFL - 11	Unknown	2,559	53%	11.0	54.3	110.9	0.023
UpCFL	PGE	Upstream CFL - 11	Utilities	4,052	59%	11.0	54.3	175.5	0.026
UpCFL	PGE	Upstream CFL - 11	Warehouse	3,980	77%	11.0	54.3	172.4	0.034
UpCFL	PGE	Upstream CFL - 12	Agriculture	3,521	45%	12.0	56.0	154.9	0.020
UpCFL	PGE	Upstream CFL - 12	Assembly	1,617	18%	12.0	56.0	71.2	0.008
UpCFL	PGE	Upstream CFL - 12	Communications	1,032	45%	12.0	56.0	45.4	0.020
UpCFL	PGE	Upstream CFL - 12	Construction	3,303	18%	12.0	56.0	145.3	0.008
UpCFL	PGE	Upstream CFL - 12	Education - Other	2,608	23%	12.0	56.0	114.7	0.010
UpCFL	PGE	Upstream CFL - 12	Education - Secondary School	3,278	30%	12.0	56.0	144.2	0.013
UpCFL	PGE	Upstream CFL - 12	Health/Medical	2,489	58%	12.0	56.0	109.5	0.025
UpCFL	PGE	Upstream CFL - 12	Lodging	1,083	13%	12.0	56.0	47.6	0.006
UpCFL	PGE	Upstream CFL - 12	Manufacturing - Light Industrial	2,436	30%	12.0	56.0	107.2	0.013
UpCFL	PGE	Upstream CFL - 12	Missing	2,687	40%	12.0	56.0	118.2	0.018
UpCFL	PGE	Upstream CFL - 12	Office - Small	3,050	58%	12.0	56.0	134.2	0.025
UpCFL	PGE	Upstream CFL - 12	Restaurant	3,705	54%	12.0	56.0	163.0	0.024
UpCFL	PGE	Upstream CFL - 12	Retail	3,243	55%	12.0	56.0	142.7	0.024
UpCFL	PGE	Upstream CFL - 12	Sic 20 Food & Kindred Products	2,669	53%	12.0	56.0	117.5	0.023
UpCFL	PGE	Upstream CFL - 12	Unknown	2,559	53%	12.0	56.0	112.6	0.023
UpCFL	PGE	Upstream CFL - 12	Utilities	4,052	59%	12.0	56.0	178.3	0.026
UpCFL	PGE	Upstream CFL - 12	Warehouse	3,980	77%	12.0	56.0	175.1	0.034
UpCFL	PGE	Upstream CFL - 13	Agriculture	3,521	45%	13.0	57.6	156.9	0.020
UpCFL	PGE	Upstream CFL - 13	Assembly	1,617	18%	13.0	57.6	72.0	0.008
UpCFL	PGE	Upstream CFL - 13	Communications	1,032	45%	13.0	57.6	46.0	0.020
UpCFL	PGE	Upstream CFL - 13	Construction	3,303	18%	13.0	57.6	147.1	0.008
UpCFL	PGE	Upstream CFL - 13	Education - Other	2,608	23%	13.0	57.6	116.2	0.010
UpCFL	PGE	Upstream CFL - 13	Education - Secondary School	3,278	30%	13.0	57.6	146.0	0.013
UpCFL	PGE	Upstream CFL - 13	Health/Medical	2,489	58%	13.0	57.6	110.9	0.026
UpCFL	PGE	Upstream CFL - 13	Lodging	1,083	13%	13.0	57.6	48.2	0.006
UpCFL	PGE	Upstream CFL - 13	Manufacturing - Light Industrial	2,436	30%	13.0	57.6	108.5	0.013
UpCFL	PGE	Upstream CFL - 13	Missing	2,687	40%	13.0	57.6	119.7	0.018
UpCFL	PGE	Upstream CFL - 13	Office - Small	3,050	58%	13.0	57.6	135.9	0.026
UpCFL	PGE	Upstream CFL - 13	Restaurant	3,705	54%	13.0	57.6	165.1	0.024
UpCFL	PGE	Upstream CFL - 13	Retail	3,243	55%	13.0	57.6	144.5	0.025
UpCFL	PGE	Upstream CFL - 13	Sic 20 Food & Kindred Products	2,669	53%	13.0	57.6	118.9	0.023
UpCFL	PGE	Upstream CFL - 13	Unknown	2,559	53%	13.0	57.6	114.0	0.024
UpCFL	PGE	Upstream CFL - 13	Utilities	4,052	59%	13.0	57.6	180.5	0.026
UpCFL	PGE	Upstream CFL - 13	Warehouse	3,980	77%	13.0	57.6	177.3	0.034
UpCFL	PGE	Upstream CFL - 14	Agriculture	3,521	45%	14.0	59.0	158.4	0.020



HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 14	Assembly	1,617	18%	14.0	59.0	72.8	0.008
UpCFL	PGE	Upstream CFL - 14	Communications	1,032	45%	14.0	59.0	46.4	0.020
UpCFL	PGE	Upstream CFL - 14	Construction	3,303	18%	14.0	59.0	148.6	0.008
UpCFL	PGE	Upstream CFL - 14	Education - Other	2,608	23%	14.0	59.0	117.3	0.010
UpCFL	PGE	Upstream CFL - 14	Education - Secondary School	3,278	30%	14.0	59.0	147.5	0.013
UpCFL	PGE	Upstream CFL - 14	Health/Medical	2,489	58%	14.0	59.0	112.0	0.026
UpCFL	PGE	Upstream CFL - 14	Lodging	1,083	13%	14.0	59.0	48.7	0.006
UpCFL	PGE	Upstream CFL - 14	Manufacturing - Light Industrial	2,436	30%	14.0	59.0	109.6	0.014
UpCFL	PGE	Upstream CFL - 14	Missing	2,687	40%	14.0	59.0	120.9	0.018
UpCFL	PGE	Upstream CFL - 14	Office - Small	3,050	58%	14.0	59.0	137.2	0.026
UpCFL	PGE	Upstream CFL - 14	Restaurant	3,705	54%	14.0	59.0	166.7	0.024
UpCFL	PGE	Upstream CFL - 14	Retail	3,243	55%	14.0	59.0	145.9	0.025
UpCFL	PGE	Upstream CFL - 14	Sic 20 Food & Kindred Products	2,669	53%	14.0	59.0	120.1	0.024
UpCFL	PGE	Upstream CFL - 14	Unknown	2,559	53%	14.0	59.0	115.1	0.024
UpCFL	PGE	Upstream CFL - 14	Utilities	4,052	59%	14.0	59.0	182.3	0.027
UpCFL	PGE	Upstream CFL - 14	Warehouse	3,980	77%	14.0	59.0	179.1	0.035
UpCFL	PGE	Upstream CFL - 15	Agriculture	3,521	45%	15.0	60.3	159.6	0.020
UpCFL	PGE	Upstream CFL - 15	Assembly	1,617	18%	15.0	60.3	73.3	0.008
UpCFL	PGE	Upstream CFL - 15	Communications	1,032	45%	15.0	60.3	46.8	0.020
UpCFL	PGE	Upstream CFL - 15	Construction	3,303	18%	15.0	60.3	149.7	0.008
UpCFL	PGE	Upstream CFL - 15	Education - Other	2,608	23%	15.0	60.3	118.2	0.010
UpCFL	PGE	Upstream CFL - 15	Education - Secondary School	3,278	30%	15.0	60.3	148.6	0.014
UpCFL	PGE	Upstream CFL - 15	Health/Medical	2,489	58%	15.0	60.3	112.8	0.026
UpCFL	PGE	Upstream CFL - 15	Lodging	1,083	13%	15.0	60.3	49.1	0.006
UpCFL	PGE	Upstream CFL - 15	Manufacturing - Light Industrial	2,436	30%	15.0	60.3	110.4	0.014
UpCFL	PGE	Upstream CFL - 15	Missing	2,687	40%	15.0	60.3	121.8	0.018
UpCFL	PGE	Upstream CFL - 15	Office - Small	3,050	58%	15.0	60.3	138.2	0.026
UpCFL	PGE	Upstream CFL - 15	Restaurant	3,705	54%	15.0	60.3	167.9	0.024
UpCFL	PGE	Upstream CFL - 15	Retail	3,243	55%	15.0	60.3	147.0	0.025
UpCFL	PGE	Upstream CFL - 15	Sic 20 Food & Kindred Products	2,669	53%	15.0	60.3	121.0	0.024
UpCFL	PGE	Upstream CFL - 15	Unknown	2,559	53%	15.0	60.3	116.0	0.024
UpCFL	PGE	Upstream CFL - 15	Utilities	4,052	59%	15.0	60.3	183.6	0.027
UpCFL	PGE	Upstream CFL - 15	Warehouse	3,980	77%	15.0	60.3	180.4	0.035
UpCFL	PGE	Upstream CFL - 16	Agriculture	3,521	45%	16.0	61.6	160.5	0.020
UpCFL	PGE	Upstream CFL - 16	Assembly	1,617	18%	16.0	61.6	73.7	0.008
UpCFL	PGE	Upstream CFL - 16	Communications	1,032	45%	16.0	61.6	47.0	0.020
UpCFL	PGE	Upstream CFL - 16	Construction	3,303	18%	16.0	61.6	150.5	0.008
UpCFL	PGE	Upstream CFL - 16	Education - Other	2,608	23%	16.0	61.6	118.8	0.011
UpCFL	PGE	Upstream CFL - 16	Education - Secondary School	3,278	30%	16.0	61.6	149.4	0.014
UpCFL	PGE	Upstream CFL - 16	Health/Medical	2,489	58%	16.0	61.6	113.4	0.026
UpCFL	PGE	Upstream CFL - 16	Lodging	1,083	13%	16.0	61.6	49.3	0.006
UpCFL	PGE	Upstream CFL - 16	Manufacturing - Light Industrial	2,436	30%	16.0	61.6	111.0	0.014
UpCFL	PGE	Upstream CFL - 16	Missing	2,687	40%	16.0	61.6	122.4	0.018
UpCFL	PGE	Upstream CFL - 16	Office - Small	3,050	58%	16.0	61.6	139.0	0.026
UpCFL	PGE	Upstream CFL - 16	Restaurant	3,705	54%	16.0	61.6	168.8	0.025
UpCFL	PGE	Upstream CFL - 16	Retail	3,243	55%	16.0	61.6	147.8	0.025
UpCFL	PGE	Upstream CFL - 16	Sic 20 Food & Kindred Products	2,669	53%	16.0	61.6	121.6	0.024

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 16	Unknown	2,559	53%	16.0	61.6	116.6	0.024
UpCFL	PGE	Upstream CFL - 16	Utilities	4,052	59%	16.0	61.6	184.6	0.027
UpCFL	PGE	Upstream CFL - 16	Warehouse	3,980	77%	16.0	61.6	181.4	0.035
UpCFL	PGE	Upstream CFL - 17	Agriculture	3,521	45%	17.0	62.8	161.1	0.021
UpCFL	PGE	Upstream CFL - 17	Assembly	1,617	18%	17.0	62.8	74.0	0.008
UpCFL	PGE	Upstream CFL - 17	Communications	1,032	45%	17.0	62.8	47.2	0.021
UpCFL	PGE	Upstream CFL - 17	Construction	3,303	18%	17.0	62.8	151.1	0.008
UpCFL	PGE	Upstream CFL - 17	Education - Other	2,608	23%	17.0	62.8	119.3	0.011
UpCFL	PGE	Upstream CFL - 17	Education - Secondary School	3,278	30%	17.0	62.8	150.0	0.014
UpCFL	PGE	Upstream CFL - 17	Health/Medical	2,489	58%	17.0	62.8	113.9	0.027
UpCFL	PGE	Upstream CFL - 17	Lodging	1,083	13%	17.0	62.8	49.5	0.006
UpCFL	PGE	Upstream CFL - 17	Manufacturing - Light Industrial	2,436	30%	17.0	62.8	111.4	0.014
UpCFL	PGE	Upstream CFL - 17	Missing	2,687	40%	17.0	62.8	122.9	0.018
UpCFL	PGE	Upstream CFL - 17	Office - Small	3,050	58%	17.0	62.8	139.6	0.026
UpCFL	PGE	Upstream CFL - 17	Restaurant	3,705	54%	17.0	62.8	169.5	0.025
UpCFL	PGE	Upstream CFL - 17	Retail	3,243	55%	17.0	62.8	148.4	0.025
UpCFL	PGE	Upstream CFL - 17	Sic 20 Food & Kindred Products	2,669	53%	17.0	62.8	122.1	0.024
UpCFL	PGE	Upstream CFL - 17	Unknown	2,559	53%	17.0	62.8	117.1	0.024
UpCFL	PGE	Upstream CFL - 17	Utilities	4,052	59%	17.0	62.8	185.4	0.027
UpCFL	PGE	Upstream CFL - 17	Warehouse	3,980	77%	17.0	62.8	182.1	0.035
UpCFL	PGE	Upstream CFL - 18	Agriculture	3,521	45%	18.0	63.9	161.5	0.021
UpCFL	PGE	Upstream CFL - 18	Assembly	1,617	18%	18.0	63.9	74.2	0.008
UpCFL	PGE	Upstream CFL - 18	Communications	1,032	45%	18.0	63.9	47.3	0.021
UpCFL	PGE	Upstream CFL - 18	Construction	3,303	18%	18.0	63.9	151.5	0.008
UpCFL	PGE	Upstream CFL - 18	Education - Other	2,608	23%	18.0	63.9	119.6	0.011
UpCFL	PGE	Upstream CFL - 18	Education - Secondary School	3,278	30%	18.0	63.9	150.3	0.014
UpCFL	PGE	Upstream CFL - 18	Health/Medical	2,489	58%	18.0	63.9	114.1	0.027
UpCFL	PGE	Upstream CFL - 18	Lodging	1,083	13%	18.0	63.9	49.7	0.006
UpCFL	PGE	Upstream CFL - 18	Manufacturing - Light Industrial	2,436	30%	18.0	63.9	111.7	0.014
UpCFL	PGE	Upstream CFL - 18	Missing	2,687	40%	18.0	63.9	123.2	0.018
UpCFL	PGE	Upstream CFL - 18	Office - Small	3,050	58%	18.0	63.9	139.9	0.026
UpCFL	PGE	Upstream CFL - 18	Restaurant	3,705	54%	18.0	63.9	169.9	0.025
UpCFL	PGE	Upstream CFL - 18	Retail	3,243	55%	18.0	63.9	148.7	0.025
UpCFL	PGE	Upstream CFL - 18	Sic 20 Food & Kindred Products	2,669	53%	18.0	63.9	122.4	0.024
UpCFL	PGE	Upstream CFL - 18	Unknown	2,559	53%	18.0	63.9	117.4	0.024
UpCFL	PGE	Upstream CFL - 18	Utilities	4,052	59%	18.0	63.9	185.8	0.027
UpCFL	PGE	Upstream CFL - 18	Warehouse	3,980	77%	18.0	63.9	182.5	0.035
UpCFL	PGE	Upstream CFL - 19	Agriculture	3,521	45%	19.0	64.9	161.6	0.021
UpCFL	PGE	Upstream CFL - 19	Assembly	1,617	18%	19.0	64.9	74.2	0.008
UpCFL	PGE	Upstream CFL - 19	Communications	1,032	45%	19.0	64.9	47.4	0.021
UpCFL	PGE	Upstream CFL - 19	Construction	3,303	18%	19.0	64.9	151.6	0.008
UpCFL	PGE	Upstream CFL - 19	Education - Other	2,608	23%	19.0	64.9	119.7	0.011
UpCFL	PGE	Upstream CFL - 19	Education - Secondary School	3,278	30%	19.0	64.9	150.5	0.014
UpCFL	PGE	Upstream CFL - 19	Health/Medical	2,489	58%	19.0	64.9	114.2	0.027
UpCFL	PGE	Upstream CFL - 19	Lodging	1,083	13%	19.0	64.9	49.7	0.006
UpCFL	PGE	Upstream CFL - 19	Manufacturing - Light Industrial	2,436	30%	19.0	64.9	111.8	0.014
UpCFL	PGE	Upstream CFL - 19	Missing	2,687	40%	19.0	64.9	123.3	0.018

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 19	Office - Small	3,050	58%	19.0	64.9	140.0	0.026
UpCFL	PGE	Upstream CFL - 19	Restaurant	3,705	54%	19.0	64.9	170.1	0.025
UpCFL	PGE	Upstream CFL - 19	Retail	3,243	55%	19.0	64.9	148.8	0.025
UpCFL	PGE	Upstream CFL - 19	Sic 20 Food & Kindred Products	2,669	53%	19.0	64.9	122.5	0.024
UpCFL	PGE	Upstream CFL - 19	Unknown	2,559	53%	19.0	64.9	117.5	0.024
UpCFL	PGE	Upstream CFL - 19	Utilities	4,052	59%	19.0	64.9	186.0	0.027
UpCFL	PGE	Upstream CFL - 19	Warehouse	3,980	77%	19.0	64.9	182.7	0.036
UpCFL	PGE	Upstream CFL - 20	Agriculture	3,521	45%	20.0	65.9	161.6	0.021
UpCFL	PGE	Upstream CFL - 20	Assembly	1,617	18%	20.0	65.9	74.2	0.008
UpCFL	PGE	Upstream CFL - 20	Communications	1,032	45%	20.0	65.9	47.4	0.021
UpCFL	PGE	Upstream CFL - 20	Construction	3,303	18%	20.0	65.9	151.6	0.008
UpCFL	PGE	Upstream CFL - 20	Education - Other	2,608	23%	20.0	65.9	119.7	0.011
UpCFL	PGE	Upstream CFL - 20	Education - Secondary School	3,278	30%	20.0	65.9	150.5	0.014
UpCFL	PGE	Upstream CFL - 20	Health/Medical	2,489	58%	20.0	65.9	114.2	0.027
UpCFL	PGE	Upstream CFL - 20	Lodging	1,083	13%	20.0	65.9	49.7	0.006
UpCFL	PGE	Upstream CFL - 20	Manufacturing - Light Industrial	2,436	30%	20.0	65.9	111.8	0.014
UpCFL	PGE	Upstream CFL - 20	Missing	2,687	40%	20.0	65.9	123.3	0.018
UpCFL	PGE	Upstream CFL - 20	Office - Small	3,050	58%	20.0	65.9	140.0	0.026
UpCFL	PGE	Upstream CFL - 20	Restaurant	3,705	54%	20.0	65.9	170.1	0.025
UpCFL	PGE	Upstream CFL - 20	Retail	3,243	55%	20.0	65.9	148.8	0.025
UpCFL	PGE	Upstream CFL - 20	Sic 20 Food & Kindred Products	2,669	53%	20.0	65.9	122.5	0.024
UpCFL	PGE	Upstream CFL - 20	Unknown	2,559	53%	20.0	65.9	117.5	0.024
UpCFL	PGE	Upstream CFL - 20	Utilities	4,052	59%	20.0	65.9	186.0	0.027
UpCFL	PGE	Upstream CFL - 20	Warehouse	3,980	77%	20.0	65.9	182.7	0.036
UpCFL	PGE	Upstream CFL - 21	Agriculture	3,521	45%	21.0	66.8	161.4	0.021
UpCFL	PGE	Upstream CFL - 21	Assembly	1,617	18%	21.0	66.8	74.1	0.008
UpCFL	PGE	Upstream CFL - 21	Communications	1,032	45%	21.0	66.8	47.3	0.021
UpCFL	PGE	Upstream CFL - 21	Construction	3,303	18%	21.0	66.8	151.4	0.008
UpCFL	PGE	Upstream CFL - 21	Education - Other	2,608	23%	21.0	66.8	119.5	0.011
UpCFL	PGE	Upstream CFL - 21	Education - Secondary School	3,278	30%	21.0	66.8	150.3	0.014
UpCFL	PGE	Upstream CFL - 21	Health/Medical	2,489	58%	21.0	66.8	114.1	0.027
UpCFL	PGE	Upstream CFL - 21	Lodging	1,083	13%	21.0	66.8	49.6	0.006
UpCFL	PGE	Upstream CFL - 21	Manufacturing - Light Industrial	2,436	30%	21.0	66.8	111.6	0.014
UpCFL	PGE	Upstream CFL - 21	Missing	2,687	40%	21.0	66.8	123.2	0.018
UpCFL	PGE	Upstream CFL - 21	Office - Small	3,050	58%	21.0	66.8	139.8	0.026
UpCFL	PGE	Upstream CFL - 21	Restaurant	3,705	54%	21.0	66.8	169.8	0.025
UpCFL	PGE	Upstream CFL - 21	Retail	3,243	55%	21.0	66.8	148.7	0.025
UpCFL	PGE	Upstream CFL - 21	Sic 20 Food & Kindred Products	2,669	53%	21.0	66.8	122.4	0.024
UpCFL	PGE	Upstream CFL - 21	Unknown	2,559	53%	21.0	66.8	117.3	0.024
UpCFL	PGE	Upstream CFL - 21	Utilities	4,052	59%	21.0	66.8	185.7	0.027
UpCFL	PGE	Upstream CFL - 21	Warehouse	3,980	77%	21.0	66.8	182.5	0.035
UpCFL	PGE	Upstream CFL - 22	Agriculture	3,521	45%	22.0	67.7	161.1	0.021
UpCFL	PGE	Upstream CFL - 22	Assembly	1,617	18%	22.0	67.7	74.0	0.008
UpCFL	PGE	Upstream CFL - 22	Communications	1,032	45%	22.0	67.7	47.2	0.021
UpCFL	PGE	Upstream CFL - 22	Construction	3,303	18%	22.0	67.7	151.1	0.008
UpCFL	PGE	Upstream CFL - 22	Education - Other	2,608	23%	22.0	67.7	119.3	0.011
UpCFL	PGE	Upstream CFL - 22	Education - Secondary School	3,278	30%	22.0	67.7	149.9	0.014

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 22	Health/Medical	2,489	58%	22.0	67.7	113.8	0.027
UpCFL	PGE	Upstream CFL - 22	Lodging	1,083	13%	22.0	67.7	49.5	0.006
UpCFL	PGE	Upstream CFL - 22	Manufacturing - Light Industrial	2,436	30%	22.0	67.7	111.4	0.014
UpCFL	PGE	Upstream CFL - 22	Missing	2,687	40%	22.0	67.7	122.9	0.018
UpCFL	PGE	Upstream CFL - 22	Office - Small	3,050	58%	22.0	67.7	139.5	0.026
UpCFL	PGE	Upstream CFL - 22	Restaurant	3,705	54%	22.0	67.7	169.5	0.025
UpCFL	PGE	Upstream CFL - 22	Retail	3,243	55%	22.0	67.7	148.3	0.025
UpCFL	PGE	Upstream CFL - 22	Sic 20 Food & Kindred Products	2,669	53%	22.0	67.7	122.1	0.024
UpCFL	PGE	Upstream CFL - 22	Unknown	2,559	53%	22.0	67.7	117.0	0.024
UpCFL	PGE	Upstream CFL - 22	Utilities	4,052	59%	22.0	67.7	185.3	0.027
UpCFL	PGE	Upstream CFL - 22	Warehouse	3,980	77%	22.0	67.7	182.1	0.035
UpCFL	PGE	Upstream CFL - 23	Agriculture	3,521	45%	23.0	68.6	160.6	0.021
UpCFL	PGE	Upstream CFL - 23	Assembly	1,617	18%	23.0	68.6	73.7	0.008
UpCFL	PGE	Upstream CFL - 23	Communications	1,032	45%	23.0	68.6	47.1	0.021
UpCFL	PGE	Upstream CFL - 23	Construction	3,303	18%	23.0	68.6	150.6	0.008
UpCFL	PGE	Upstream CFL - 23	Education - Other	2,608	23%	23.0	68.6	118.9	0.011
UpCFL	PGE	Upstream CFL - 23	Education - Secondary School	3,278	30%	23.0	68.6	149.5	0.014
UpCFL	PGE	Upstream CFL - 23	Health/Medical	2,489	58%	23.0	68.6	113.5	0.026
UpCFL	PGE	Upstream CFL - 23	Lodging	1,083	13%	23.0	68.6	49.4	0.006
UpCFL	PGE	Upstream CFL - 23	Manufacturing - Light Industrial	2,436	30%	23.0	68.6	111.1	0.014
UpCFL	PGE	Upstream CFL - 23	Missing	2,687	40%	23.0	68.6	122.5	0.018
UpCFL	PGE	Upstream CFL - 23	Office - Small	3,050	58%	23.0	68.6	139.1	0.026
UpCFL	PGE	Upstream CFL - 23	Restaurant	3,705	54%	23.0	68.6	169.0	0.025
UpCFL	PGE	Upstream CFL - 23	Retail	3,243	55%	23.0	68.6	147.9	0.025
UpCFL	PGE	Upstream CFL - 23	Sic 20 Food & Kindred Products	2,669	53%	23.0	68.6	121.7	0.024
UpCFL	PGE	Upstream CFL - 23	Unknown	2,559	53%	23.0	68.6	116.7	0.024
UpCFL	PGE	Upstream CFL - 23	Utilities	4,052	59%	23.0	68.6	184.8	0.027
UpCFL	PGE	Upstream CFL - 23	Warehouse	3,980	77%	23.0	68.6	181.5	0.035
UpCFL	PGE	Upstream CFL - 24	Agriculture	3,521	45%	24.0	69.4	160.0	0.020
UpCFL	PGE	Upstream CFL - 24	Assembly	1,617	18%	24.0	69.4	73.5	0.008
UpCFL	PGE	Upstream CFL - 24	Communications	1,032	45%	24.0	69.4	46.9	0.020
UpCFL	PGE	Upstream CFL - 24	Construction	3,303	18%	24.0	69.4	150.1	0.008
UpCFL	PGE	Upstream CFL - 24	Education - Other	2,608	23%	24.0	69.4	118.5	0.011
UpCFL	PGE	Upstream CFL - 24	Education - Secondary School	3,278	30%	24.0	69.4	148.9	0.014
UpCFL	PGE	Upstream CFL - 24	Health/Medical	2,489	58%	24.0	69.4	113.1	0.026
UpCFL	PGE	Upstream CFL - 24	Lodging	1,083	13%	24.0	69.4	49.2	0.006
UpCFL	PGE	Upstream CFL - 24	Manufacturing - Light Industrial	2,436	30%	24.0	69.4	110.7	0.014
UpCFL	PGE	Upstream CFL - 24	Missing	2,687	40%	24.0	69.4	122.1	0.018
UpCFL	PGE	Upstream CFL - 24	Office - Small	3,050	58%	24.0	69.4	138.6	0.026
UpCFL	PGE	Upstream CFL - 24	Restaurant	3,705	54%	24.0	69.4	168.3	0.025
UpCFL	PGE	Upstream CFL - 24	Retail	3,243	55%	24.0	69.4	147.3	0.025
UpCFL	PGE	Upstream CFL - 24	Sic 20 Food & Kindred Products	2,669	53%	24.0	69.4	121.3	0.024
UpCFL	PGE	Upstream CFL - 24	Unknown	2,559	53%	24.0	69.4	116.3	0.024
UpCFL	PGE	Upstream CFL - 24	Utilities	4,052	59%	24.0	69.4	184.1	0.027
UpCFL	PGE	Upstream CFL - 24	Warehouse	3,980	77%	24.0	69.4	180.8	0.035
UpCFL	PGE	Upstream CFL - 25	Agriculture	3,521	45%	25.0	70.2	159.2	0.020
UpCFL	PGE	Upstream CFL - 25	Assembly	1,617	18%	25.0	70.2	73.1	0.008

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 25	Communications	1,032	45%	25.0	70.2	46.7	0.020
UpCFL	PGE	Upstream CFL - 25	Construction	3,303	18%	25.0	70.2	149.4	0.008
UpCFL	PGE	Upstream CFL - 25	Education - Other	2,608	23%	25.0	70.2	117.9	0.010
UpCFL	PGE	Upstream CFL - 25	Education - Secondary School	3,278	30%	25.0	70.2	148.2	0.013
UpCFL	PGE	Upstream CFL - 25	Health/Medical	2,489	58%	25.0	70.2	112.6	0.026
UpCFL	PGE	Upstream CFL - 25	Lodging	1,083	13%	25.0	70.2	49.0	0.006
UpCFL	PGE	Upstream CFL - 25	Manufacturing - Light Industrial	2,436	30%	25.0	70.2	110.1	0.014
UpCFL	PGE	Upstream CFL - 25	Missing	2,687	40%	25.0	70.2	121.5	0.018
UpCFL	PGE	Upstream CFL - 25	Office - Small	3,050	58%	25.0	70.2	137.9	0.026
UpCFL	PGE	Upstream CFL - 25	Restaurant	3,705	54%	25.0	70.2	167.5	0.024
UpCFL	PGE	Upstream CFL - 25	Retail	3,243	55%	25.0	70.2	146.6	0.025
UpCFL	PGE	Upstream CFL - 25	Sic 20 Food & Kindred Products	2,669	53%	25.0	70.2	120.7	0.024
UpCFL	PGE	Upstream CFL - 25	Unknown	2,559	53%	25.0	70.2	115.7	0.024
UpCFL	PGE	Upstream CFL - 25	Utilities	4,052	59%	25.0	70.2	183.2	0.027
UpCFL	PGE	Upstream CFL - 25	Warehouse	3,980	77%	25.0	70.2	180.0	0.035
UpCFL	PGE	Upstream CFL - 26	Agriculture	3,521	45%	26.0	71.0	158.4	0.020
UpCFL	PGE	Upstream CFL - 26	Assembly	1,617	18%	26.0	71.0	72.7	0.008
UpCFL	PGE	Upstream CFL - 26	Communications	1,032	45%	26.0	71.0	46.4	0.020
UpCFL	PGE	Upstream CFL - 26	Construction	3,303	18%	26.0	71.0	148.6	0.008
UpCFL	PGE	Upstream CFL - 26	Education - Other	2,608	23%	26.0	71.0	117.3	0.010
UpCFL	PGE	Upstream CFL - 26	Education - Secondary School	3,278	30%	26.0	71.0	147.5	0.013
UpCFL	PGE	Upstream CFL - 26	Health/Medical	2,489	58%	26.0	71.0	112.0	0.026
UpCFL	PGE	Upstream CFL - 26	Lodging	1,083	13%	26.0	71.0	48.7	0.006
UpCFL	PGE	Upstream CFL - 26	Manufacturing - Light Industrial	2,436	30%	26.0	71.0	109.6	0.014
UpCFL	PGE	Upstream CFL - 26	Missing	2,687	40%	26.0	71.0	120.8	0.018
UpCFL	PGE	Upstream CFL - 26	Office - Small	3,050	58%	26.0	71.0	137.2	0.026
UpCFL	PGE	Upstream CFL - 26	Restaurant	3,705	54%	26.0	71.0	166.7	0.024
UpCFL	PGE	Upstream CFL - 26	Retail	3,243	55%	26.0	71.0	145.9	0.025
UpCFL	PGE	Upstream CFL - 26	Sic 20 Food & Kindred Products	2,669	53%	26.0	71.0	120.1	0.024
UpCFL	PGE	Upstream CFL - 26	Unknown	2,559	53%	26.0	71.0	115.1	0.024
UpCFL	PGE	Upstream CFL - 26	Utilities	4,052	59%	26.0	71.0	182.2	0.027
UpCFL	PGE	Upstream CFL - 26	Warehouse	3,980	77%	26.0	71.0	179.0	0.035
UpCFL	PGE	Upstream CFL - 27	Agriculture	3,521	45%	27.0	71.7	157.4	0.020
UpCFL	PGE	Upstream CFL - 27	Assembly	1,617	18%	27.0	71.7	72.3	0.008
UpCFL	PGE	Upstream CFL - 27	Communications	1,032	45%	27.0	71.7	46.1	0.020
UpCFL	PGE	Upstream CFL - 27	Construction	3,303	18%	27.0	71.7	147.7	0.008
UpCFL	PGE	Upstream CFL - 27	Education - Other	2,608	23%	27.0	71.7	116.6	0.010
UpCFL	PGE	Upstream CFL - 27	Education - Secondary School	3,278	30%	27.0	71.7	146.6	0.013
UpCFL	PGE	Upstream CFL - 27	Health/Medical	2,489	58%	27.0	71.7	111.3	0.026
UpCFL	PGE	Upstream CFL - 27	Lodging	1,083	13%	27.0	71.7	48.4	0.006
UpCFL	PGE	Upstream CFL - 27	Manufacturing - Light Industrial	2,436	30%	27.0	71.7	108.9	0.014
UpCFL	PGE	Upstream CFL - 27	Missing	2,687	40%	27.0	71.7	120.1	0.018
UpCFL	PGE	Upstream CFL - 27	Office - Small	3,050	58%	27.0	71.7	136.4	0.026
UpCFL	PGE	Upstream CFL - 27	Restaurant	3,705	54%	27.0	71.7	165.7	0.024
UpCFL	PGE	Upstream CFL - 27	Retail	3,243	55%	27.0	71.7	145.0	0.025
UpCFL	PGE	Upstream CFL - 27	Sic 20 Food & Kindred Products	2,669	53%	27.0	71.7	119.4	0.023
UpCFL	PGE	Upstream CFL - 27	Unknown	2,559	53%	27.0	71.7	114.4	0.024

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 27	Utilities	4,052	59%	27.0	71.7	181.1	0.026
UpCFL	PGE	Upstream CFL - 27	Warehouse	3,980	77%	27.0	71.7	178.0	0.035
UpCFL	PGE	Upstream CFL - 28	Agriculture	3,521	45%	28.0	74.4	163.3	0.021
UpCFL	PGE	Upstream CFL - 28	Assembly	1,617	18%	28.0	74.4	75.0	0.008
UpCFL	PGE	Upstream CFL - 28	Communications	1,032	45%	28.0	74.4	47.8	0.021
UpCFL	PGE	Upstream CFL - 28	Construction	3,303	18%	28.0	74.4	153.1	0.008
UpCFL	PGE	Upstream CFL - 28	Education - Other	2,608	23%	28.0	74.4	120.9	0.011
UpCFL	PGE	Upstream CFL - 28	Education - Secondary School	3,278	30%	28.0	74.4	152.0	0.014
UpCFL	PGE	Upstream CFL - 28	Health/Medical	2,489	58%	28.0	74.4	115.4	0.027
UpCFL	PGE	Upstream CFL - 28	Lodging	1,083	13%	28.0	74.4	50.2	0.006
UpCFL	PGE	Upstream CFL - 28	Manufacturing - Light Industrial	2,436	30%	28.0	74.4	112.9	0.014
UpCFL	PGE	Upstream CFL - 28	Missing	2,687	40%	28.0	74.4	124.5	0.019
UpCFL	PGE	Upstream CFL - 28	Office - Small	3,050	58%	28.0	74.4	141.4	0.027
UpCFL	PGE	Upstream CFL - 28	Restaurant	3,705	54%	28.0	74.4	171.8	0.025
UpCFL	PGE	Upstream CFL - 28	Retail	3,243	55%	28.0	74.4	150.3	0.026
UpCFL	PGE	Upstream CFL - 28	Sic 20 Food & Kindred Products	2,669	53%	28.0	74.4	123.8	0.024
UpCFL	PGE	Upstream CFL - 28	Unknown	2,559	53%	28.0	74.4	118.6	0.025
UpCFL	PGE	Upstream CFL - 28	Utilities	4,052	59%	28.0	74.4	187.8	0.027
UpCFL	PGE	Upstream CFL - 28	Warehouse	3,980	77%	28.0	74.4	184.5	0.036
UpCFL	PGE	Upstream CFL - 29	Agriculture	3,521	45%	29.0	77.0	169.1	0.022
UpCFL	PGE	Upstream CFL - 29	Assembly	1,617	18%	29.0	77.0	77.7	0.009
UpCFL	PGE	Upstream CFL - 29	Communications	1,032	45%	29.0	77.0	49.5	0.022
UpCFL	PGE	Upstream CFL - 29	Construction	3,303	18%	29.0	77.0	158.6	0.009
UpCFL	PGE	Upstream CFL - 29	Education - Other	2,608	23%	29.0	77.0	125.2	0.011
UpCFL	PGE	Upstream CFL - 29	Education - Secondary School	3,278	30%	29.0	77.0	157.4	0.014
UpCFL	PGE	Upstream CFL - 29	Health/Medical	2,489	58%	29.0	77.0	119.5	0.028
UpCFL	PGE	Upstream CFL - 29	Lodging	1,083	13%	29.0	77.0	52.0	0.006
UpCFL	PGE	Upstream CFL - 29	Manufacturing - Light Industrial	2,436	30%	29.0	77.0	117.0	0.015
UpCFL	PGE	Upstream CFL - 29	Missing	2,687	40%	29.0	77.0	129.0	0.019
UpCFL	PGE	Upstream CFL - 29	Office - Small	3,050	58%	29.0	77.0	146.5	0.028
UpCFL	PGE	Upstream CFL - 29	Restaurant	3,705	54%	29.0	77.0	177.9	0.026
UpCFL	PGE	Upstream CFL - 29	Retail	3,243	55%	29.0	77.0	155.7	0.027
UpCFL	PGE	Upstream CFL - 29	Sic 20 Food & Kindred Products	2,669	53%	29.0	77.0	128.2	0.025
UpCFL	PGE	Upstream CFL - 29	Unknown	2,559	53%	29.0	77.0	122.9	0.025
UpCFL	PGE	Upstream CFL - 29	Utilities	4,052	59%	29.0	77.0	194.6	0.028
UpCFL	PGE	Upstream CFL - 29	Warehouse	3,980	77%	29.0	77.0	191.1	0.037
UpCFL	PGE	Upstream CFL - 30	Agriculture	3,521	45%	30.0	79.7	174.9	0.022
UpCFL	PGE	Upstream CFL - 30	Assembly	1,617	18%	30.0	79.7	80.3	0.009
UpCFL	PGE	Upstream CFL - 30	Communications	1,032	45%	30.0	79.7	51.3	0.022
UpCFL	PGE	Upstream CFL - 30	Construction	3,303	18%	30.0	79.7	164.1	0.009
UpCFL	PGE	Upstream CFL - 30	Education - Other	2,608	23%	30.0	79.7	129.6	0.011
UpCFL	PGE	Upstream CFL - 30	Education - Secondary School	3,278	30%	30.0	79.7	162.9	0.015
UpCFL	PGE	Upstream CFL - 30	Health/Medical	2,489	58%	30.0	79.7	123.7	0.029
UpCFL	PGE	Upstream CFL - 30	Lodging	1,083	13%	30.0	79.7	53.8	0.006
UpCFL	PGE	Upstream CFL - 30	Manufacturing - Light Industrial	2,436	30%	30.0	79.7	121.0	0.015
UpCFL	PGE	Upstream CFL - 30	Missing	2,687	40%	30.0	79.7	133.5	0.020
UpCFL	PGE	Upstream CFL - 30	Office - Small	3,050	58%	30.0	79.7	151.5	0.029

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 30	Restaurant	3,705	54%	30.0	79.7	184.1	0.027
UpCFL	PGE	Upstream CFL - 30	Retail	3,243	55%	30.0	79.7	161.1	0.027
UpCFL	PGE	Upstream CFL - 30	Sic 20 Food & Kindred Products	2,669	53%	30.0	79.7	132.6	0.026
UpCFL	PGE	Upstream CFL - 30	Unknown	2,559	53%	30.0	79.7	127.1	0.026
UpCFL	PGE	Upstream CFL - 30	Utilities	4,052	59%	30.0	79.7	201.3	0.029
UpCFL	PGE	Upstream CFL - 30	Warehouse	3,980	77%	30.0	79.7	197.7	0.038
UpCFL	PGE	Upstream CFL - 31	Agriculture	3,521	45%	31.0	82.3	180.8	0.023
UpCFL	PGE	Upstream CFL - 31	Assembly	1,617	18%	31.0	82.3	83.0	0.009
UpCFL	PGE	Upstream CFL - 31	Communications	1,032	45%	31.0	82.3	53.0	0.023
UpCFL	PGE	Upstream CFL - 31	Construction	3,303	18%	31.0	82.3	169.5	0.009
UpCFL	PGE	Upstream CFL - 31	Education - Other	2,608	23%	31.0	82.3	133.9	0.012
UpCFL	PGE	Upstream CFL - 31	Education - Secondary School	3,278	30%	31.0	82.3	168.3	0.015
UpCFL	PGE	Upstream CFL - 31	Health/Medical	2,489	58%	31.0	82.3	127.8	0.030
UpCFL	PGE	Upstream CFL - 31	Lodging	1,083	13%	31.0	82.3	55.6	0.007
UpCFL	PGE	Upstream CFL - 31	Manufacturing - Light Industrial	2,436	30%	31.0	82.3	125.0	0.016
UpCFL	PGE	Upstream CFL - 31	Missing	2,687	40%	31.0	82.3	137.9	0.021
UpCFL	PGE	Upstream CFL - 31	Office - Small	3,050	58%	31.0	82.3	156.6	0.030
UpCFL	PGE	Upstream CFL - 31	Restaurant	3,705	54%	31.0	82.3	190.2	0.028
UpCFL	PGE	Upstream CFL - 31	Retail	3,243	55%	31.0	82.3	166.5	0.028
UpCFL	PGE	Upstream CFL - 31	Sic 20 Food & Kindred Products	2,669	53%	31.0	82.3	137.0	0.027
UpCFL	PGE	Upstream CFL - 31	Unknown	2,559	53%	31.0	82.3	131.4	0.027
UpCFL	PGE	Upstream CFL - 31	Utilities	4,052	59%	31.0	82.3	208.0	0.030
UpCFL	PGE	Upstream CFL - 31	Warehouse	3,980	77%	31.0	82.3	204.3	0.040
UpCFL	PGE	Upstream CFL - 32	Agriculture	3,521	45%	32.0	85.0	186.6	0.024
UpCFL	PGE	Upstream CFL - 32	Assembly	1,617	18%	32.0	85.0	85.7	0.009
UpCFL	PGE	Upstream CFL - 32	Communications	1,032	45%	32.0	85.0	54.7	0.024
UpCFL	PGE	Upstream CFL - 32	Construction	3,303	18%	32.0	85.0	175.0	0.009
UpCFL	PGE	Upstream CFL - 32	Education - Other	2,608	23%	32.0	85.0	138.2	0.012
UpCFL	PGE	Upstream CFL - 32	Education - Secondary School	3,278	30%	32.0	85.0	173.7	0.016
UpCFL	PGE	Upstream CFL - 32	Health/Medical	2,489	58%	32.0	85.0	131.9	0.031
UpCFL	PGE	Upstream CFL - 32	Lodging	1,083	13%	32.0	85.0	57.4	0.007
UpCFL	PGE	Upstream CFL - 32	Manufacturing - Light Industrial	2,436	30%	32.0	85.0	129.1	0.016
UpCFL	PGE	Upstream CFL - 32	Missing	2,687	40%	32.0	85.0	142.4	0.021
UpCFL	PGE	Upstream CFL - 32	Office - Small	3,050	58%	32.0	85.0	161.6	0.031
UpCFL	PGE	Upstream CFL - 32	Restaurant	3,705	54%	32.0	85.0	196.3	0.029
UpCFL	PGE	Upstream CFL - 32	Retail	3,243	55%	32.0	85.0	171.8	0.029
UpCFL	PGE	Upstream CFL - 32	Sic 20 Food & Kindred Products	2,669	53%	32.0	85.0	141.5	0.028
UpCFL	PGE	Upstream CFL - 32	Unknown	2,559	53%	32.0	85.0	135.6	0.028
UpCFL	PGE	Upstream CFL - 32	Utilities	4,052	59%	32.0	85.0	214.7	0.031
UpCFL	PGE	Upstream CFL - 32	Warehouse	3,980	77%	32.0	85.0	210.9	0.041
UpCFL	PGE	Upstream CFL - 33	Agriculture	3,521	45%	33.0	87.6	192.4	0.025
UpCFL	PGE	Upstream CFL - 33	Assembly	1,617	18%	33.0	87.6	88.4	0.010
UpCFL	PGE	Upstream CFL - 33	Communications	1,032	45%	33.0	87.6	56.4	0.025
UpCFL	PGE	Upstream CFL - 33	Construction	3,303	18%	33.0	87.6	180.5	0.010
UpCFL	PGE	Upstream CFL - 33	Education - Other	2,608	23%	33.0	87.6	142.5	0.013
UpCFL	PGE	Upstream CFL - 33	Education - Secondary School	3,278	30%	33.0	87.6	179.1	0.016
UpCFL	PGE	Upstream CFL - 33	Health/Medical	2,489	58%	33.0	87.6	136.0	0.032

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 33	Lodging	1,083	13%	33.0	87.6	59.2	0.007
UpCFL	PGE	Upstream CFL - 33	Manufacturing - Light Industrial	2,436	30%	33.0	87.6	133.1	0.017
UpCFL	PGE	Upstream CFL - 33	Missing	2,687	40%	33.0	87.6	146.8	0.022
UpCFL	PGE	Upstream CFL - 33	Office - Small	3,050	58%	33.0	87.6	166.7	0.031
UpCFL	PGE	Upstream CFL - 33	Restaurant	3,705	54%	33.0	87.6	202.4	0.029
UpCFL	PGE	Upstream CFL - 33	Retail	3,243	55%	33.0	87.6	177.2	0.030
UpCFL	PGE	Upstream CFL - 33	Sic 20 Food & Kindred Products	2,669	53%	33.0	87.6	145.9	0.029
UpCFL	PGE	Upstream CFL - 33	Unknown	2,559	53%	33.0	87.6	139.8	0.029
UpCFL	PGE	Upstream CFL - 33	Utilities	4,052	59%	33.0	87.6	221.4	0.032
UpCFL	PGE	Upstream CFL - 33	Warehouse	3,980	77%	33.0	87.6	217.5	0.042
UpCFL	PGE	Upstream CFL - 34	Agriculture	3,521	45%	34.0	90.3	198.3	0.025
UpCFL	PGE	Upstream CFL - 34	Assembly	1,617	18%	34.0	90.3	91.1	0.010
UpCFL	PGE	Upstream CFL - 34	Communications	1,032	45%	34.0	90.3	58.1	0.025
UpCFL	PGE	Upstream CFL - 34	Construction	3,303	18%	34.0	90.3	186.0	0.010
UpCFL	PGE	Upstream CFL - 34	Education - Other	2,608	23%	34.0	90.3	146.8	0.013
UpCFL	PGE	Upstream CFL - 34	Education - Secondary School	3,278	30%	34.0	90.3	184.6	0.017
UpCFL	PGE	Upstream CFL - 34	Health/Medical	2,489	58%	34.0	90.3	140.1	0.033
UpCFL	PGE	Upstream CFL - 34	Lodging	1,083	13%	34.0	90.3	61.0	0.007
UpCFL	PGE	Upstream CFL - 34	Manufacturing - Light Industrial	2,436	30%	34.0	90.3	137.1	0.017
UpCFL	PGE	Upstream CFL - 34	Missing	2,687	40%	34.0	90.3	151.3	0.023
UpCFL	PGE	Upstream CFL - 34	Office - Small	3,050	58%	34.0	90.3	171.7	0.032
UpCFL	PGE	Upstream CFL - 34	Restaurant	3,705	54%	34.0	90.3	208.6	0.030
UpCFL	PGE	Upstream CFL - 34	Retail	3,243	55%	34.0	90.3	182.6	0.031
UpCFL	PGE	Upstream CFL - 34	Sic 20 Food & Kindred Products	2,669	53%	34.0	90.3	150.3	0.030
UpCFL	PGE	Upstream CFL - 34	Unknown	2,559	53%	34.0	90.3	144.1	0.030
UpCFL	PGE	Upstream CFL - 34	Utilities	4,052	59%	34.0	90.3	228.1	0.033
UpCFL	PGE	Upstream CFL - 34	Warehouse	3,980	77%	34.0	90.3	224.1	0.044
UpCFL	PGE	Upstream CFL - 35	Agriculture	3,521	45%	35.0	93.0	204.1	0.026
UpCFL	PGE	Upstream CFL - 35	Assembly	1,617	18%	35.0	93.0	93.7	0.010
UpCFL	PGE	Upstream CFL - 35	Communications	1,032	45%	35.0	93.0	59.8	0.026
UpCFL	PGE	Upstream CFL - 35	Construction	3,303	18%	35.0	93.0	191.4	0.010
UpCFL	PGE	Upstream CFL - 35	Education - Other	2,608	23%	35.0	93.0	151.1	0.013
UpCFL	PGE	Upstream CFL - 35	Education - Secondary School	3,278	30%	35.0	93.0	190.0	0.017
UpCFL	PGE	Upstream CFL - 35	Health/Medical	2,489	58%	35.0	93.0	144.3	0.034
UpCFL	PGE	Upstream CFL - 35	Lodging	1,083	13%	35.0	93.0	62.8	0.007
UpCFL	PGE	Upstream CFL - 35	Manufacturing - Light Industrial	2,436	30%	35.0	93.0	141.2	0.018
UpCFL	PGE	Upstream CFL - 35	Missing	2,687	40%	35.0	93.0	155.7	0.023
UpCFL	PGE	Upstream CFL - 35	Office - Small	3,050	58%	35.0	93.0	176.8	0.033
UpCFL	PGE	Upstream CFL - 35	Restaurant	3,705	54%	35.0	93.0	214.7	0.031
UpCFL	PGE	Upstream CFL - 35	Retail	3,243	55%	35.0	93.0	188.0	0.032
UpCFL	PGE	Upstream CFL - 35	Sic 20 Food & Kindred Products	2,669	53%	35.0	93.0	154.7	0.030
UpCFL	PGE	Upstream CFL - 35	Unknown	2,559	53%	35.0	93.0	148.3	0.031
UpCFL	PGE	Upstream CFL - 35	Utilities	4,052	59%	35.0	93.0	234.8	0.034
UpCFL	PGE	Upstream CFL - 35	Warehouse	3,980	77%	35.0	93.0	230.7	0.045
UpCFL	PGE	Upstream CFL - 36	Agriculture	3,521	45%	36.0	95.6	209.9	0.027
UpCFL	PGE	Upstream CFL - 36	Assembly	1,617	18%	36.0	95.6	96.4	0.011
UpCFL	PGE	Upstream CFL - 36	Communications	1,032	45%	36.0	95.6	61.5	0.027



HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 36	Construction	3,303	18%	36.0	95.6	196.9	0.011
UpCFL	PGE	Upstream CFL - 36	Education - Other	2,608	23%	36.0	95.6	155.5	0.014
UpCFL	PGE	Upstream CFL - 36	Education - Secondary School	3,278	30%	36.0	95.6	195.4	0.018
UpCFL	PGE	Upstream CFL - 36	Health/Medical	2,489	58%	36.0	95.6	148.4	0.035
UpCFL	PGE	Upstream CFL - 36	Lodging	1,083	13%	36.0	95.6	64.5	0.008
UpCFL	PGE	Upstream CFL - 36	Manufacturing - Light Industrial	2,436	30%	36.0	95.6	145.2	0.018
UpCFL	PGE	Upstream CFL - 36	Missing	2,687	40%	36.0	95.6	160.1	0.024
UpCFL	PGE	Upstream CFL - 36	Office - Small	3,050	58%	36.0	95.6	181.8	0.034
UpCFL	PGE	Upstream CFL - 36	Restaurant	3,705	54%	36.0	95.6	220.9	0.032
UpCFL	PGE	Upstream CFL - 36	Retail	3,243	55%	36.0	95.6	193.3	0.033
UpCFL	PGE	Upstream CFL - 36	Sic 20 Food & Kindred Products	2,669	53%	36.0	95.6	159.1	0.031
UpCFL	PGE	Upstream CFL - 36	Unknown	2,559	53%	36.0	95.6	152.5	0.032
UpCFL	PGE	Upstream CFL - 36	Utilities	4,052	59%	36.0	95.6	241.5	0.035
UpCFL	PGE	Upstream CFL - 36	Warehouse	3,980	77%	36.0	95.6	237.3	0.046
UpCFL	PGE	Upstream CFL - 37	Agriculture	3,521	45%	37.0	98.3	215.8	0.028
UpCFL	PGE	Upstream CFL - 37	Assembly	1,617	18%	37.0	98.3	99.1	0.011
UpCFL	PGE	Upstream CFL - 37	Communications	1,032	45%	37.0	98.3	63.2	0.028
UpCFL	PGE	Upstream CFL - 37	Construction	3,303	18%	37.0	98.3	202.4	0.011
UpCFL	PGE	Upstream CFL - 37	Education - Other	2,608	23%	37.0	98.3	159.8	0.014
UpCFL	PGE	Upstream CFL - 37	Education - Secondary School	3,278	30%	37.0	98.3	200.9	0.018
UpCFL	PGE	Upstream CFL - 37	Health/Medical	2,489	58%	37.0	98.3	152.5	0.036
UpCFL	PGE	Upstream CFL - 37	Lodging	1,083	13%	37.0	98.3	66.3	0.008
UpCFL	PGE	Upstream CFL - 37	Manufacturing - Light Industrial	2,436	30%	37.0	98.3	149.2	0.019
UpCFL	PGE	Upstream CFL - 37	Missing	2,687	40%	37.0	98.3	164.6	0.025
UpCFL	PGE	Upstream CFL - 37	Office - Small	3,050	58%	37.0	98.3	186.9	0.035
UpCFL	PGE	Upstream CFL - 37	Restaurant	3,705	54%	37.0	98.3	227.0	0.033
UpCFL	PGE	Upstream CFL - 37	Retail	3,243	55%	37.0	98.3	198.7	0.034
UpCFL	PGE	Upstream CFL - 37	Sic 20 Food & Kindred Products	2,669	53%	37.0	98.3	163.6	0.032
UpCFL	PGE	Upstream CFL - 37	Unknown	2,559	53%	37.0	98.3	156.8	0.032
UpCFL	PGE	Upstream CFL - 37	Utilities	4,052	59%	37.0	98.3	248.2	0.036
UpCFL	PGE	Upstream CFL - 37	Warehouse	3,980	77%	37.0	98.3	243.9	0.047
UpCFL	PGE	Upstream CFL - 38	Agriculture	3,521	45%	38.0	100.9	221.6	0.028
UpCFL	PGE	Upstream CFL - 38	Assembly	1,617	18%	38.0	100.9	101.8	0.011
UpCFL	PGE	Upstream CFL - 38	Communications	1,032	45%	38.0	100.9	64.9	0.028
UpCFL	PGE	Upstream CFL - 38	Construction	3,303	18%	38.0	100.9	207.8	0.011
UpCFL	PGE	Upstream CFL - 38	Education - Other	2,608	23%	38.0	100.9	164.1	0.015
UpCFL	PGE	Upstream CFL - 38	Education - Secondary School	3,278	30%	38.0	100.9	206.3	0.019
UpCFL	PGE	Upstream CFL - 38	Health/Medical	2,489	58%	38.0	100.9	156.6	0.036
UpCFL	PGE	Upstream CFL - 38	Lodging	1,083	13%	38.0	100.9	68.1	0.008
UpCFL	PGE	Upstream CFL - 38	Manufacturing - Light Industrial	2,436	30%	38.0	100.9	153.2	0.019
UpCFL	PGE	Upstream CFL - 38	Missing	2,687	40%	38.0	100.9	169.0	0.025
UpCFL	PGE	Upstream CFL - 38	Office - Small	3,050	58%	38.0	100.9	191.9	0.036
UpCFL	PGE	Upstream CFL - 38	Restaurant	3,705	54%	38.0	100.9	233.1	0.034
UpCFL	PGE	Upstream CFL - 38	Retail	3,243	55%	38.0	100.9	204.0	0.035
UpCFL	PGE	Upstream CFL - 38	Sic 20 Food & Kindred Products	2,669	53%	38.0	100.9	168.0	0.033
UpCFL	PGE	Upstream CFL - 38	Unknown	2,559	53%	38.0	100.9	161.0	0.033
UpCFL	PGE	Upstream CFL - 38	Utilities	4,052	59%	38.0	100.9	254.9	0.037

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 38	Warehouse	3,980	77%	38.0	100.9	250.4	0.049
UpCFL	PGE	Upstream CFL - 39	Agriculture	3,521	45%	39.0	103.6	227.4	0.029
UpCFL	PGE	Upstream CFL - 39	Assembly	1,617	18%	39.0	103.6	104.4	0.012
UpCFL	PGE	Upstream CFL - 39	Communications	1,032	45%	39.0	103.6	66.6	0.029
UpCFL	PGE	Upstream CFL - 39	Construction	3,303	18%	39.0	103.6	213.3	0.012
UpCFL	PGE	Upstream CFL - 39	Education - Other	2,608	23%	39.0	103.6	168.4	0.015
UpCFL	PGE	Upstream CFL - 39	Education - Secondary School	3,278	30%	39.0	103.6	211.7	0.019
UpCFL	PGE	Upstream CFL - 39	Health/Medical	2,489	58%	39.0	103.6	160.7	0.037
UpCFL	PGE	Upstream CFL - 39	Lodging	1,083	13%	39.0	103.6	69.9	0.008
UpCFL	PGE	Upstream CFL - 39	Manufacturing - Light Industrial	2,436	30%	39.0	103.6	157.3	0.020
UpCFL	PGE	Upstream CFL - 39	Missing	2,687	40%	39.0	103.6	173.5	0.026
UpCFL	PGE	Upstream CFL - 39	Office - Small	3,050	58%	39.0	103.6	197.0	0.037
UpCFL	PGE	Upstream CFL - 39	Restaurant	3,705	54%	39.0	103.6	239.3	0.035
UpCFL	PGE	Upstream CFL - 39	Retail	3,243	55%	39.0	103.6	209.4	0.036
UpCFL	PGE	Upstream CFL - 39	Sic 20 Food & Kindred Products	2,669	53%	39.0	103.6	172.4	0.034
UpCFL	PGE	Upstream CFL - 39	Unknown	2,559	53%	39.0	103.6	165.3	0.034
UpCFL	PGE	Upstream CFL - 39	Utilities	4,052	59%	39.0	103.6	261.7	0.038
UpCFL	PGE	Upstream CFL - 39	Warehouse	3,980	77%	39.0	103.6	257.1	0.050
UpCFL	PGE	Upstream CFL - 40	Agriculture	3,521	45%	40.0	106.2	233.2	0.030
UpCFL	PGE	Upstream CFL - 40	Assembly	1,617	18%	40.0	106.2	107.1	0.012
UpCFL	PGE	Upstream CFL - 40	Communications	1,032	45%	40.0	106.2	68.3	0.030
UpCFL	PGE	Upstream CFL - 40	Construction	3,303	18%	40.0	106.2	218.8	0.012
UpCFL	PGE	Upstream CFL - 40	Education - Other	2,608	23%	40.0	106.2	172.7	0.015
UpCFL	PGE	Upstream CFL - 40	Education - Secondary School	3,278	30%	40.0	106.2	217.1	0.020
UpCFL	PGE	Upstream CFL - 40	Health/Medical	2,489	58%	40.0	106.2	164.8	0.038
UpCFL	PGE	Upstream CFL - 40	Lodging	1,083	13%	40.0	106.2	71.7	0.008
UpCFL	PGE	Upstream CFL - 40	Manufacturing - Light Industrial	2,436	30%	40.0	106.2	161.3	0.020
UpCFL	PGE	Upstream CFL - 40	Missing	2,687	40%	40.0	106.2	177.9	0.027
UpCFL	PGE	Upstream CFL - 40	Office - Small	3,050	58%	40.0	106.2	202.0	0.038
UpCFL	PGE	Upstream CFL - 40	Restaurant	3,705	54%	40.0	106.2	245.4	0.036
UpCFL	PGE	Upstream CFL - 40	Retail	3,243	55%	40.0	106.2	214.8	0.037
UpCFL	PGE	Upstream CFL - 40	Sic 20 Food & Kindred Products	2,669	53%	40.0	106.2	176.8	0.035
UpCFL	PGE	Upstream CFL - 40	Unknown	2,559	53%	40.0	106.2	169.5	0.035
UpCFL	PGE	Upstream CFL - 40	Utilities	4,052	59%	40.0	106.2	268.3	0.039
UpCFL	PGE	Upstream CFL - 40	Warehouse	3,980	77%	40.0	106.2	263.6	0.051
UpCFL	PGE	Upstream CFL - 41	Agriculture	3,521	45%	41.0	108.9	239.1	0.031
UpCFL	PGE	Upstream CFL - 41	Assembly	1,617	18%	41.0	108.9	109.8	0.012
UpCFL	PGE	Upstream CFL - 41	Communications	1,032	45%	41.0	108.9	70.0	0.031
UpCFL	PGE	Upstream CFL - 41	Construction	3,303	18%	41.0	108.9	224.2	0.012
UpCFL	PGE	Upstream CFL - 41	Education - Other	2,608	23%	41.0	108.9	177.0	0.016
UpCFL	PGE	Upstream CFL - 41	Education - Secondary School	3,278	30%	41.0	108.9	222.6	0.020
UpCFL	PGE	Upstream CFL - 41	Health/Medical	2,489	58%	41.0	108.9	169.0	0.039
UpCFL	PGE	Upstream CFL - 41	Lodging	1,083	13%	41.0	108.9	73.5	0.009
UpCFL	PGE	Upstream CFL - 41	Manufacturing - Light Industrial	2,436	30%	41.0	108.9	165.4	0.021
UpCFL	PGE	Upstream CFL - 41	Missing	2,687	40%	41.0	108.9	182.4	0.027
UpCFL	PGE	Upstream CFL - 41	Office - Small	3,050	58%	41.0	108.9	207.1	0.039
UpCFL	PGE	Upstream CFL - 41	Restaurant	3,705	54%	41.0	108.9	251.5	0.037

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	PGE	Upstream CFL - 41	Retail	3,243	55%	41.0	108.9	220.2	0.038
UpCFL	PGE	Upstream CFL - 41	Sic 20 Food & Kindred Products	2,669	53%	41.0	108.9	181.2	0.036
UpCFL	PGE	Upstream CFL - 41	Unknown	2,559	53%	41.0	108.9	173.7	0.036
UpCFL	PGE	Upstream CFL - 41	Utilities	4,052	59%	41.0	108.9	275.1	0.040
UpCFL	PGE	Upstream CFL - 41	Warehouse	3,980	77%	41.0	108.9	270.2	0.053
UpCFL	PGE	Upstream CFL - 42	Agriculture	3,521	45%	42.0	111.6	244.9	0.031
UpCFL	PGE	Upstream CFL - 42	Assembly	1,617	18%	42.0	111.6	112.5	0.012
UpCFL	PGE	Upstream CFL - 42	Communications	1,032	45%	42.0	111.6	71.8	0.031
UpCFL	PGE	Upstream CFL - 42	Construction	3,303	18%	42.0	111.6	229.7	0.012
UpCFL	PGE	Upstream CFL - 42	Education - Other	2,608	23%	42.0	111.6	181.4	0.016
UpCFL	PGE	Upstream CFL - 42	Education - Secondary School	3,278	30%	42.0	111.6	228.0	0.021
UpCFL	PGE	Upstream CFL - 42	Health/Medical	2,489	58%	42.0	111.6	173.1	0.040
UpCFL	PGE	Upstream CFL - 42	Lodging	1,083	13%	42.0	111.6	75.3	0.009
UpCFL	PGE	Upstream CFL - 42	Manufacturing - Light Industrial	2,436	30%	42.0	111.6	169.4	0.021
UpCFL	PGE	Upstream CFL - 42	Missing	2,687	40%	42.0	111.6	186.9	0.028
UpCFL	PGE	Upstream CFL - 42	Office - Small	3,050	58%	42.0	111.6	212.2	0.040
UpCFL	PGE	Upstream CFL - 42	Restaurant	3,705	54%	42.0	111.6	257.7	0.038
UpCFL	PGE	Upstream CFL - 42	Retail	3,243	55%	42.0	111.6	225.5	0.038
UpCFL	PGE	Upstream CFL - 42	Sic 20 Food & Kindred Products	2,669	53%	42.0	111.6	185.7	0.037
UpCFL	PGE	Upstream CFL - 42	Unknown	2,559	53%	42.0	111.6	178.0	0.037
UpCFL	PGE	Upstream CFL - 42	Utilities	4,052	59%	42.0	111.6	281.8	0.041
UpCFL	PGE	Upstream CFL - 42	Warehouse	3,980	77%	42.0	111.6	276.8	0.054
UpCFL	PGE	Upstream CFL - 68	Agriculture	3,521	45%	68.0	180.6	396.5	0.051
UpCFL	PGE	Upstream CFL - 68	Assembly	1,617	18%	68.0	180.6	182.1	0.020
UpCFL	PGE	Upstream CFL - 68	Communications	1,032	45%	68.0	180.6	116.2	0.051
UpCFL	PGE	Upstream CFL - 68	Construction	3,303	18%	68.0	180.6	371.9	0.020
UpCFL	PGE	Upstream CFL - 68	Education - Other	2,608	23%	68.0	180.6	293.6	0.026
UpCFL	PGE	Upstream CFL - 68	Education - Secondary School	3,278	30%	68.0	180.6	369.1	0.034
UpCFL	PGE	Upstream CFL - 68	Health/Medical	2,489	58%	68.0	180.6	280.3	0.065
UpCFL	PGE	Upstream CFL - 68	Lodging	1,083	13%	68.0	180.6	121.9	0.014
UpCFL	PGE	Upstream CFL - 68	Manufacturing - Light Industrial	2,436	30%	68.0	180.6	274.3	0.034
UpCFL	PGE	Upstream CFL - 68	Missing	2,687	40%	68.0	180.6	302.5	0.045
UpCFL	PGE	Upstream CFL - 68	Office - Small	3,050	58%	68.0	180.6	343.5	0.065
UpCFL	PGE	Upstream CFL - 68	Restaurant	3,705	54%	68.0	180.6	417.2	0.061
UpCFL	PGE	Upstream CFL - 68	Retail	3,243	55%	68.0	180.6	365.1	0.062
UpCFL	PGE	Upstream CFL - 68	Sic 20 Food & Kindred Products	2,669	53%	68.0	180.6	300.6	0.059
UpCFL	PGE	Upstream CFL - 68	Unknown	2,559	53%	68.0	180.6	288.1	0.060
UpCFL	PGE	Upstream CFL - 68	Utilities	4,052	59%	68.0	180.6	456.2	0.067
UpCFL	PGE	Upstream CFL - 68	Warehouse	3,980	77%	68.0	180.6	448.2	0.087
UpCFL	SCE	Upstream CFL - 03	Agriculture	3,297	43%	3.0	14.8	38.9	0.005
UpCFL	SCE	Upstream CFL - 03	Assembly	1,892	30%	3.0	14.8	22.3	0.004
UpCFL	SCE	Upstream CFL - 03	Communications	1,032	43%	3.0	14.8	12.2	0.005
UpCFL	SCE	Upstream CFL - 03	Construction	2,905	30%	3.0	14.8	34.3	0.004
UpCFL	SCE	Upstream CFL - 03	Education - Other	2,517	21%	3.0	14.8	29.7	0.003
UpCFL	SCE	Upstream CFL - 03	Education - Secondary School	3,356	28%	3.0	14.8	39.6	0.003
UpCFL	SCE	Upstream CFL - 03	Health/Medical	2,122	30%	3.0	14.8	25.1	0.004
UpCFL	SCE	Upstream CFL - 03	Lodging	1,467	16%	3.0	14.8	17.3	0.002

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 03	Manufacturing - Light Industrial	2,446	42%	3.0	14.8	28.9	0.005
UpCFL	SCE	Upstream CFL - 03	Missing	2,720	41%	3.0	14.8	32.1	0.005
UpCFL	SCE	Upstream CFL - 03	Office - Small	2,836	39%	3.0	14.8	33.5	0.005
UpCFL	SCE	Upstream CFL - 03	Restaurant	3,942	62%	3.0	14.8	46.6	0.007
UpCFL	SCE	Upstream CFL - 03	Retail	2,958	56%	3.0	14.8	34.9	0.007
UpCFL	SCE	Upstream CFL - 03	Sic 20 Food & Kindred Products	2,662	53%	3.0	14.8	31.4	0.006
UpCFL	SCE	Upstream CFL - 03	Unknown	2,559	53%	3.0	14.8	30.2	0.006
UpCFL	SCE	Upstream CFL - 03	Utilities	4,052	59%	3.0	14.8	47.8	0.007
UpCFL	SCE	Upstream CFL - 03	Warehouse	2,805	45%	3.0	14.8	33.1	0.005
UpCFL	SCE	Upstream CFL - 04	Agriculture	3,297	43%	4.0	19.8	51.9	0.007
UpCFL	SCE	Upstream CFL - 04	Assembly	1,892	30%	4.0	19.8	29.8	0.005
UpCFL	SCE	Upstream CFL - 04	Communications	1,032	43%	4.0	19.8	16.3	0.007
UpCFL	SCE	Upstream CFL - 04	Construction	2,905	30%	4.0	19.8	45.7	0.005
UpCFL	SCE	Upstream CFL - 04	Education - Other	2,517	21%	4.0	19.8	39.6	0.003
UpCFL	SCE	Upstream CFL - 04	Education - Secondary School	3,356	28%	4.0	19.8	52.9	0.004
UpCFL	SCE	Upstream CFL - 04	Health/Medical	2,122	30%	4.0	19.8	33.4	0.005
UpCFL	SCE	Upstream CFL - 04	Lodging	1,467	16%	4.0	19.8	23.1	0.003
UpCFL	SCE	Upstream CFL - 04	Manufacturing - Light Industrial	2,446	42%	4.0	19.8	38.5	0.007
UpCFL	SCE	Upstream CFL - 04	Missing	2,720	41%	4.0	19.8	42.8	0.007
UpCFL	SCE	Upstream CFL - 04	Office - Small	2,836	39%	4.0	19.8	44.7	0.006
UpCFL	SCE	Upstream CFL - 04	Restaurant	3,942	62%	4.0	19.8	62.1	0.010
UpCFL	SCE	Upstream CFL - 04	Retail	2,958	56%	4.0	19.8	46.6	0.009
UpCFL	SCE	Upstream CFL - 04	Sic 20 Food & Kindred Products	2,662	53%	4.0	19.8	41.9	0.008
UpCFL	SCE	Upstream CFL - 04	Unknown	2,559	53%	4.0	19.8	40.3	0.008
UpCFL	SCE	Upstream CFL - 04	Utilities	4,052	59%	4.0	19.8	63.8	0.009
UpCFL	SCE	Upstream CFL - 04	Warehouse	2,805	45%	4.0	19.8	44.2	0.007
UpCFL	SCE	Upstream CFL - 05	Agriculture	3,297	43%	5.0	24.7	64.9	0.008
UpCFL	SCE	Upstream CFL - 05	Assembly	1,892	30%	5.0	24.7	37.3	0.006
UpCFL	SCE	Upstream CFL - 05	Communications	1,032	43%	5.0	24.7	20.3	0.008
UpCFL	SCE	Upstream CFL - 05	Construction	2,905	30%	5.0	24.7	57.2	0.006
UpCFL	SCE	Upstream CFL - 05	Education - Other	2,517	21%	5.0	24.7	49.6	0.004
UpCFL	SCE	Upstream CFL - 05	Education - Secondary School	3,356	28%	5.0	24.7	66.1	0.005
UpCFL	SCE	Upstream CFL - 05	Health/Medical	2,122	30%	5.0	24.7	41.8	0.006
UpCFL	SCE	Upstream CFL - 05	Lodging	1,467	16%	5.0	24.7	28.9	0.003
UpCFL	SCE	Upstream CFL - 05	Manufacturing - Light Industrial	2,446	42%	5.0	24.7	48.2	0.008
UpCFL	SCE	Upstream CFL - 05	Missing	2,720	41%	5.0	24.7	53.6	0.008
UpCFL	SCE	Upstream CFL - 05	Office - Small	2,836	39%	5.0	24.7	55.8	0.008
UpCFL	SCE	Upstream CFL - 05	Restaurant	3,942	62%	5.0	24.7	77.6	0.012
UpCFL	SCE	Upstream CFL - 05	Retail	2,958	56%	5.0	24.7	58.2	0.011
UpCFL	SCE	Upstream CFL - 05	Sic 20 Food & Kindred Products	2,662	53%	5.0	24.7	52.4	0.010
UpCFL	SCE	Upstream CFL - 05	Unknown	2,559	53%	5.0	24.7	50.4	0.010
UpCFL	SCE	Upstream CFL - 05	Utilities	4,052	59%	5.0	24.7	79.8	0.012
UpCFL	SCE	Upstream CFL - 05	Warehouse	2,805	45%	5.0	24.7	55.2	0.009
UpCFL	SCE	Upstream CFL - 06	Agriculture	3,297	43%	6.0	29.6	77.9	0.010
UpCFL	SCE	Upstream CFL - 06	Assembly	1,892	30%	6.0	29.6	44.7	0.007
UpCFL	SCE	Upstream CFL - 06	Communications	1,032	43%	6.0	29.6	24.4	0.010
UpCFL	SCE	Upstream CFL - 06	Construction	2,905	30%	6.0	29.6	68.6	0.007

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 06	Education - Other	2,517	21%	6.0	29.6	59.5	0.005
UpCFL	SCE	Upstream CFL - 06	Education - Secondary School	3,356	28%	6.0	29.6	79.3	0.007
UpCFL	SCE	Upstream CFL - 06	Health/Medical	2,122	30%	6.0	29.6	50.1	0.007
UpCFL	SCE	Upstream CFL - 06	Lodging	1,467	16%	6.0	29.6	34.7	0.004
UpCFL	SCE	Upstream CFL - 06	Manufacturing - Light Industrial	2,446	42%	6.0	29.6	57.8	0.010
UpCFL	SCE	Upstream CFL - 06	Missing	2,720	41%	6.0	29.6	64.3	0.010
UpCFL	SCE	Upstream CFL - 06	Office - Small	2,836	39%	6.0	29.6	67.0	0.009
UpCFL	SCE	Upstream CFL - 06	Restaurant	3,942	62%	6.0	29.6	93.1	0.015
UpCFL	SCE	Upstream CFL - 06	Retail	2,958	56%	6.0	29.6	69.9	0.013
UpCFL	SCE	Upstream CFL - 06	Sic 20 Food & Kindred Products	2,662	53%	6.0	29.6	62.9	0.012
UpCFL	SCE	Upstream CFL - 06	Unknown	2,559	53%	6.0	29.6	60.5	0.012
UpCFL	SCE	Upstream CFL - 06	Utilities	4,052	59%	6.0	29.6	95.7	0.014
UpCFL	SCE	Upstream CFL - 06	Warehouse	2,805	45%	6.0	29.6	66.3	0.011
UpCFL	SCE	Upstream CFL - 07	Agriculture	3,297	43%	7.0	34.6	90.9	0.012
UpCFL	SCE	Upstream CFL - 07	Assembly	1,892	30%	7.0	34.6	52.2	0.008
UpCFL	SCE	Upstream CFL - 07	Communications	1,032	43%	7.0	34.6	28.4	0.012
UpCFL	SCE	Upstream CFL - 07	Construction	2,905	30%	7.0	34.6	80.1	0.008
UpCFL	SCE	Upstream CFL - 07	Education - Other	2,517	21%	7.0	34.6	69.4	0.006
UpCFL	SCE	Upstream CFL - 07	Education - Secondary School	3,356	28%	7.0	34.6	92.5	0.008
UpCFL	SCE	Upstream CFL - 07	Health/Medical	2,122	30%	7.0	34.6	58.5	0.008
UpCFL	SCE	Upstream CFL - 07	Lodging	1,467	16%	7.0	34.6	40.5	0.004
UpCFL	SCE	Upstream CFL - 07	Manufacturing - Light Industrial	2,446	42%	7.0	34.6	67.4	0.011
UpCFL	SCE	Upstream CFL - 07	Missing	2,720	41%	7.0	34.6	75.0	0.011
UpCFL	SCE	Upstream CFL - 07	Office - Small	2,836	39%	7.0	34.6	78.2	0.011
UpCFL	SCE	Upstream CFL - 07	Restaurant	3,942	62%	7.0	34.6	108.7	0.017
UpCFL	SCE	Upstream CFL - 07	Retail	2,958	56%	7.0	34.6	81.6	0.016
UpCFL	SCE	Upstream CFL - 07	Sic 20 Food & Kindred Products	2,662	53%	7.0	34.6	73.4	0.014
UpCFL	SCE	Upstream CFL - 07	Unknown	2,559	53%	7.0	34.6	70.6	0.015
UpCFL	SCE	Upstream CFL - 07	Utilities	4,052	59%	7.0	34.6	111.7	0.016
UpCFL	SCE	Upstream CFL - 07	Warehouse	2,805	45%	7.0	34.6	77.3	0.012
UpCFL	SCE	Upstream CFL - 08	Agriculture	3,297	43%	8.0	39.5	103.9	0.014
UpCFL	SCE	Upstream CFL - 08	Assembly	1,892	30%	8.0	39.5	59.6	0.009
UpCFL	SCE	Upstream CFL - 08	Communications	1,032	43%	8.0	39.5	32.5	0.014
UpCFL	SCE	Upstream CFL - 08	Construction	2,905	30%	8.0	39.5	91.5	0.009
UpCFL	SCE	Upstream CFL - 08	Education - Other	2,517	21%	8.0	39.5	79.3	0.007
UpCFL	SCE	Upstream CFL - 08	Education - Secondary School	3,356	28%	8.0	39.5	105.7	0.009
UpCFL	SCE	Upstream CFL - 08	Health/Medical	2,122	30%	8.0	39.5	66.8	0.009
UpCFL	SCE	Upstream CFL - 08	Lodging	1,467	16%	8.0	39.5	46.2	0.005
UpCFL	SCE	Upstream CFL - 08	Manufacturing - Light Industrial	2,446	42%	8.0	39.5	77.1	0.013
UpCFL	SCE	Upstream CFL - 08	Missing	2,720	41%	8.0	39.5	85.7	0.013
UpCFL	SCE	Upstream CFL - 08	Office - Small	2,836	39%	8.0	39.5	89.3	0.012
UpCFL	SCE	Upstream CFL - 08	Restaurant	3,942	62%	8.0	39.5	124.2	0.020
UpCFL	SCE	Upstream CFL - 08	Retail	2,958	56%	8.0	39.5	93.2	0.018
UpCFL	SCE	Upstream CFL - 08	Sic 20 Food & Kindred Products	2,662	53%	8.0	39.5	83.9	0.017
UpCFL	SCE	Upstream CFL - 08	Unknown	2,559	53%	8.0	39.5	80.6	0.017
UpCFL	SCE	Upstream CFL - 08	Utilities	4,052	59%	8.0	39.5	127.6	0.019
UpCFL	SCE	Upstream CFL - 08	Warehouse	2,805	45%	8.0	39.5	88.3	0.014

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 09	Agriculture	3,297	43%	9.0	44.4	116.8	0.015
UpCFL	SCE	Upstream CFL - 09	Assembly	1,892	30%	9.0	44.4	67.0	0.011
UpCFL	SCE	Upstream CFL - 09	Communications	1,032	43%	9.0	44.4	36.6	0.015
UpCFL	SCE	Upstream CFL - 09	Construction	2,905	30%	9.0	44.4	102.9	0.011
UpCFL	SCE	Upstream CFL - 09	Education - Other	2,517	21%	9.0	44.4	89.2	0.008
UpCFL	SCE	Upstream CFL - 09	Education - Secondary School	3,356	28%	9.0	44.4	118.9	0.010
UpCFL	SCE	Upstream CFL - 09	Health/Medical	2,122	30%	9.0	44.4	75.2	0.011
UpCFL	SCE	Upstream CFL - 09	Lodging	1,467	16%	9.0	44.4	52.0	0.006
UpCFL	SCE	Upstream CFL - 09	Manufacturing - Light Industrial	2,446	42%	9.0	44.4	86.7	0.015
UpCFL	SCE	Upstream CFL - 09	Missing	2,720	41%	9.0	44.4	96.4	0.015
UpCFL	SCE	Upstream CFL - 09	Office - Small	2,836	39%	9.0	44.4	100.5	0.014
UpCFL	SCE	Upstream CFL - 09	Restaurant	3,942	62%	9.0	44.4	139.7	0.022
UpCFL	SCE	Upstream CFL - 09	Retail	2,958	56%	9.0	44.4	104.8	0.020
UpCFL	SCE	Upstream CFL - 09	Sic 20 Food & Kindred Products	2,662	53%	9.0	44.4	94.3	0.019
UpCFL	SCE	Upstream CFL - 09	Unknown	2,559	53%	9.0	44.4	90.7	0.019
UpCFL	SCE	Upstream CFL - 09	Utilities	4,052	59%	9.0	44.4	143.6	0.021
UpCFL	SCE	Upstream CFL - 09	Warehouse	2,805	45%	9.0	44.4	99.4	0.016
UpCFL	SCE	Upstream CFL - 10	Agriculture	3,297	43%	10.0	49.4	129.8	0.017
UpCFL	SCE	Upstream CFL - 10	Assembly	1,892	30%	10.0	49.4	74.5	0.012
UpCFL	SCE	Upstream CFL - 10	Communications	1,032	43%	10.0	49.4	40.6	0.017
UpCFL	SCE	Upstream CFL - 10	Construction	2,905	30%	10.0	49.4	114.4	0.012
UpCFL	SCE	Upstream CFL - 10	Education - Other	2,517	21%	10.0	49.4	99.1	0.008
UpCFL	SCE	Upstream CFL - 10	Education - Secondary School	3,356	28%	10.0	49.4	132.2	0.011
UpCFL	SCE	Upstream CFL - 10	Health/Medical	2,122	30%	10.0	49.4	83.6	0.012
UpCFL	SCE	Upstream CFL - 10	Lodging	1,467	16%	10.0	49.4	57.8	0.006
UpCFL	SCE	Upstream CFL - 10	Manufacturing - Light Industrial	2,446	42%	10.0	49.4	96.3	0.016
UpCFL	SCE	Upstream CFL - 10	Missing	2,720	41%	10.0	49.4	107.1	0.016
UpCFL	SCE	Upstream CFL - 10	Office - Small	2,836	39%	10.0	49.4	111.7	0.015
UpCFL	SCE	Upstream CFL - 10	Restaurant	3,942	62%	10.0	49.4	155.2	0.024
UpCFL	SCE	Upstream CFL - 10	Retail	2,958	56%	10.0	49.4	116.5	0.022
UpCFL	SCE	Upstream CFL - 10	Sic 20 Food & Kindred Products	2,662	53%	10.0	49.4	104.8	0.021
UpCFL	SCE	Upstream CFL - 10	Unknown	2,559	53%	10.0	49.4	100.8	0.021
UpCFL	SCE	Upstream CFL - 10	Utilities	4,052	59%	10.0	49.4	159.6	0.023
UpCFL	SCE	Upstream CFL - 10	Warehouse	2,805	45%	10.0	49.4	110.4	0.018
UpCFL	SCE	Upstream CFL - 11	Agriculture	3,297	43%	11.0	54.3	142.8	0.019
UpCFL	SCE	Upstream CFL - 11	Assembly	1,892	30%	11.0	54.3	82.0	0.013
UpCFL	SCE	Upstream CFL - 11	Communications	1,032	43%	11.0	54.3	44.7	0.019
UpCFL	SCE	Upstream CFL - 11	Construction	2,905	30%	11.0	54.3	125.8	0.013
UpCFL	SCE	Upstream CFL - 11	Education - Other	2,517	21%	11.0	54.3	109.1	0.009
UpCFL	SCE	Upstream CFL - 11	Education - Secondary School	3,356	28%	11.0	54.3	145.4	0.012
UpCFL	SCE	Upstream CFL - 11	Health/Medical	2,122	30%	11.0	54.3	91.9	0.013
UpCFL	SCE	Upstream CFL - 11	Lodging	1,467	16%	11.0	54.3	63.6	0.007
UpCFL	SCE	Upstream CFL - 11	Manufacturing - Light Industrial	2,446	42%	11.0	54.3	106.0	0.018
UpCFL	SCE	Upstream CFL - 11	Missing	2,720	41%	11.0	54.3	117.8	0.018
UpCFL	SCE	Upstream CFL - 11	Office - Small	2,836	39%	11.0	54.3	122.8	0.017
UpCFL	SCE	Upstream CFL - 11	Restaurant	3,942	62%	11.0	54.3	170.8	0.027
UpCFL	SCE	Upstream CFL - 11	Retail	2,958	56%	11.0	54.3	128.1	0.024

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 11	Sic 20 Food & Kindred Products	2,662	53%	11.0	54.3	115.3	0.023
UpCFL	SCE	Upstream CFL - 11	Unknown	2,559	53%	11.0	54.3	110.9	0.023
UpCFL	SCE	Upstream CFL - 11	Utilities	4,052	59%	11.0	54.3	175.5	0.026
UpCFL	SCE	Upstream CFL - 11	Warehouse	2,805	45%	11.0	54.3	121.5	0.019
UpCFL	SCE	Upstream CFL - 12	Agriculture	3,297	43%	12.0	56.0	145.1	0.019
UpCFL	SCE	Upstream CFL - 12	Assembly	1,892	30%	12.0	56.0	83.2	0.013
UpCFL	SCE	Upstream CFL - 12	Communications	1,032	43%	12.0	56.0	45.4	0.019
UpCFL	SCE	Upstream CFL - 12	Construction	2,905	30%	12.0	56.0	127.8	0.013
UpCFL	SCE	Upstream CFL - 12	Education - Other	2,517	21%	12.0	56.0	110.8	0.009
UpCFL	SCE	Upstream CFL - 12	Education - Secondary School	3,356	28%	12.0	56.0	147.7	0.012
UpCFL	SCE	Upstream CFL - 12	Health/Medical	2,122	30%	12.0	56.0	93.4	0.013
UpCFL	SCE	Upstream CFL - 12	Lodging	1,467	16%	12.0	56.0	64.6	0.007
UpCFL	SCE	Upstream CFL - 12	Manufacturing - Light Industrial	2,446	42%	12.0	56.0	107.6	0.018
UpCFL	SCE	Upstream CFL - 12	Missing	2,720	41%	12.0	56.0	119.7	0.018
UpCFL	SCE	Upstream CFL - 12	Office - Small	2,836	39%	12.0	56.0	124.8	0.017
UpCFL	SCE	Upstream CFL - 12	Restaurant	3,942	62%	12.0	56.0	173.4	0.027
UpCFL	SCE	Upstream CFL - 12	Retail	2,958	56%	12.0	56.0	130.2	0.025
UpCFL	SCE	Upstream CFL - 12	Sic 20 Food & Kindred Products	2,662	53%	12.0	56.0	117.1	0.023
UpCFL	SCE	Upstream CFL - 12	Unknown	2,559	53%	12.0	56.0	112.6	0.023
UpCFL	SCE	Upstream CFL - 12	Utilities	4,052	59%	12.0	56.0	178.3	0.026
UpCFL	SCE	Upstream CFL - 12	Warehouse	2,805	45%	12.0	56.0	123.4	0.020
UpCFL	SCE	Upstream CFL - 13	Agriculture	3,297	43%	13.0	57.6	146.9	0.019
UpCFL	SCE	Upstream CFL - 13	Assembly	1,892	30%	13.0	57.6	84.3	0.013
UpCFL	SCE	Upstream CFL - 13	Communications	1,032	43%	13.0	57.6	46.0	0.019
UpCFL	SCE	Upstream CFL - 13	Construction	2,905	30%	13.0	57.6	129.4	0.013
UpCFL	SCE	Upstream CFL - 13	Education - Other	2,517	21%	13.0	57.6	112.1	0.010
UpCFL	SCE	Upstream CFL - 13	Education - Secondary School	3,356	28%	13.0	57.6	149.5	0.012
UpCFL	SCE	Upstream CFL - 13	Health/Medical	2,122	30%	13.0	57.6	94.5	0.013
UpCFL	SCE	Upstream CFL - 13	Lodging	1,467	16%	13.0	57.6	65.4	0.007
UpCFL	SCE	Upstream CFL - 13	Manufacturing - Light Industrial	2,446	42%	13.0	57.6	109.0	0.019
UpCFL	SCE	Upstream CFL - 13	Missing	2,720	41%	13.0	57.6	121.2	0.018
UpCFL	SCE	Upstream CFL - 13	Office - Small	2,836	39%	13.0	57.6	126.3	0.017
UpCFL	SCE	Upstream CFL - 13	Restaurant	3,942	62%	13.0	57.6	175.6	0.028
UpCFL	SCE	Upstream CFL - 13	Retail	2,958	56%	13.0	57.6	131.8	0.025
UpCFL	SCE	Upstream CFL - 13	Sic 20 Food & Kindred Products	2,662	53%	13.0	57.6	118.6	0.023
UpCFL	SCE	Upstream CFL - 13	Unknown	2,559	53%	13.0	57.6	114.0	0.024
UpCFL	SCE	Upstream CFL - 13	Utilities	4,052	59%	13.0	57.6	180.5	0.026
UpCFL	SCE	Upstream CFL - 13	Warehouse	2,805	45%	13.0	57.6	124.9	0.020
UpCFL	SCE	Upstream CFL - 14	Agriculture	3,297	43%	14.0	59.0	148.3	0.019
UpCFL	SCE	Upstream CFL - 14	Assembly	1,892	30%	14.0	59.0	85.1	0.014
UpCFL	SCE	Upstream CFL - 14	Communications	1,032	43%	14.0	59.0	46.4	0.019
UpCFL	SCE	Upstream CFL - 14	Construction	2,905	30%	14.0	59.0	130.7	0.014
UpCFL	SCE	Upstream CFL - 14	Education - Other	2,517	21%	14.0	59.0	113.3	0.010
UpCFL	SCE	Upstream CFL - 14	Education - Secondary School	3,356	28%	14.0	59.0	151.0	0.012
UpCFL	SCE	Upstream CFL - 14	Health/Medical	2,122	30%	14.0	59.0	95.5	0.013
UpCFL	SCE	Upstream CFL - 14	Lodging	1,467	16%	14.0	59.0	66.0	0.007
UpCFL	SCE	Upstream CFL - 14	Manufacturing - Light Industrial	2,446	42%	14.0	59.0	110.0	0.019

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 14	Missing	2,720	41%	14.0	59.0	122.4	0.019
UpCFL	SCE	Upstream CFL - 14	Office - Small	2,836	39%	14.0	59.0	127.6	0.018
UpCFL	SCE	Upstream CFL - 14	Restaurant	3,942	62%	14.0	59.0	177.3	0.028
UpCFL	SCE	Upstream CFL - 14	Retail	2,958	56%	14.0	59.0	133.1	0.025
UpCFL	SCE	Upstream CFL - 14	Sic 20 Food & Kindred Products	2,662	53%	14.0	59.0	119.8	0.024
UpCFL	SCE	Upstream CFL - 14	Unknown	2,559	53%	14.0	59.0	115.1	0.024
UpCFL	SCE	Upstream CFL - 14	Utilities	4,052	59%	14.0	59.0	182.3	0.027
UpCFL	SCE	Upstream CFL - 14	Warehouse	2,805	45%	14.0	59.0	126.2	0.020
UpCFL	SCE	Upstream CFL - 15	Agriculture	3,297	43%	15.0	60.3	149.4	0.019
UpCFL	SCE	Upstream CFL - 15	Assembly	1,892	30%	15.0	60.3	85.7	0.014
UpCFL	SCE	Upstream CFL - 15	Communications	1,032	43%	15.0	60.3	46.8	0.019
UpCFL	SCE	Upstream CFL - 15	Construction	2,905	30%	15.0	60.3	131.6	0.014
UpCFL	SCE	Upstream CFL - 15	Education - Other	2,517	21%	15.0	60.3	114.1	0.010
UpCFL	SCE	Upstream CFL - 15	Education - Secondary School	3,356	28%	15.0	60.3	152.1	0.013
UpCFL	SCE	Upstream CFL - 15	Health/Medical	2,122	30%	15.0	60.3	96.2	0.014
UpCFL	SCE	Upstream CFL - 15	Lodging	1,467	16%	15.0	60.3	66.5	0.007
UpCFL	SCE	Upstream CFL - 15	Manufacturing - Light Industrial	2,446	42%	15.0	60.3	110.9	0.019
UpCFL	SCE	Upstream CFL - 15	Missing	2,720	41%	15.0	60.3	123.3	0.019
UpCFL	SCE	Upstream CFL - 15	Office - Small	2,836	39%	15.0	60.3	128.5	0.018
UpCFL	SCE	Upstream CFL - 15	Restaurant	3,942	62%	15.0	60.3	178.6	0.028
UpCFL	SCE	Upstream CFL - 15	Retail	2,958	56%	15.0	60.3	134.1	0.025
UpCFL	SCE	Upstream CFL - 15	Sic 20 Food & Kindred Products	2,662	53%	15.0	60.3	120.6	0.024
UpCFL	SCE	Upstream CFL - 15	Unknown	2,559	53%	15.0	60.3	116.0	0.024
UpCFL	SCE	Upstream CFL - 15	Utilities	4,052	59%	15.0	60.3	183.6	0.027
UpCFL	SCE	Upstream CFL - 15	Warehouse	2,805	45%	15.0	60.3	127.1	0.020
UpCFL	SCE	Upstream CFL - 16	Agriculture	3,297	43%	16.0	61.6	150.2	0.020
UpCFL	SCE	Upstream CFL - 16	Assembly	1,892	30%	16.0	61.6	86.2	0.014
UpCFL	SCE	Upstream CFL - 16	Communications	1,032	43%	16.0	61.6	47.0	0.020
UpCFL	SCE	Upstream CFL - 16	Construction	2,905	30%	16.0	61.6	132.4	0.014
UpCFL	SCE	Upstream CFL - 16	Education - Other	2,517	21%	16.0	61.6	114.7	0.010
UpCFL	SCE	Upstream CFL - 16	Education - Secondary School	3,356	28%	16.0	61.6	152.9	0.013
UpCFL	SCE	Upstream CFL - 16	Health/Medical	2,122	30%	16.0	61.6	96.7	0.014
UpCFL	SCE	Upstream CFL - 16	Lodging	1,467	16%	16.0	61.6	66.9	0.007
UpCFL	SCE	Upstream CFL - 16	Manufacturing - Light Industrial	2,446	42%	16.0	61.6	111.5	0.019
UpCFL	SCE	Upstream CFL - 16	Missing	2,720	41%	16.0	61.6	123.9	0.019
UpCFL	SCE	Upstream CFL - 16	Office - Small	2,836	39%	16.0	61.6	129.2	0.018
UpCFL	SCE	Upstream CFL - 16	Restaurant	3,942	62%	16.0	61.6	179.6	0.028
UpCFL	SCE	Upstream CFL - 16	Retail	2,958	56%	16.0	61.6	134.8	0.026
UpCFL	SCE	Upstream CFL - 16	Sic 20 Food & Kindred Products	2,662	53%	16.0	61.6	121.3	0.024
UpCFL	SCE	Upstream CFL - 16	Unknown	2,559	53%	16.0	61.6	116.6	0.024
UpCFL	SCE	Upstream CFL - 16	Utilities	4,052	59%	16.0	61.6	184.6	0.027
UpCFL	SCE	Upstream CFL - 16	Warehouse	2,805	45%	16.0	61.6	127.8	0.020
UpCFL	SCE	Upstream CFL - 17	Agriculture	3,297	43%	17.0	62.8	150.8	0.020
UpCFL	SCE	Upstream CFL - 17	Assembly	1,892	30%	17.0	62.8	86.6	0.014
UpCFL	SCE	Upstream CFL - 17	Communications	1,032	43%	17.0	62.8	47.2	0.020
UpCFL	SCE	Upstream CFL - 17	Construction	2,905	30%	17.0	62.8	132.9	0.014
UpCFL	SCE	Upstream CFL - 17	Education - Other	2,517	21%	17.0	62.8	115.2	0.010



HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 17	Education - Secondary School	3,356	28%	17.0	62.8	153.5	0.013
UpCFL	SCE	Upstream CFL - 17	Health/Medical	2,122	30%	17.0	62.8	97.1	0.014
UpCFL	SCE	Upstream CFL - 17	Lodging	1,467	16%	17.0	62.8	67.1	0.007
UpCFL	SCE	Upstream CFL - 17	Manufacturing - Light Industrial	2,446	42%	17.0	62.8	111.9	0.019
UpCFL	SCE	Upstream CFL - 17	Missing	2,720	41%	17.0	62.8	124.4	0.019
UpCFL	SCE	Upstream CFL - 17	Office - Small	2,836	39%	17.0	62.8	129.7	0.018
UpCFL	SCE	Upstream CFL - 17	Restaurant	3,942	62%	17.0	62.8	180.3	0.028
UpCFL	SCE	Upstream CFL - 17	Retail	2,958	56%	17.0	62.8	135.3	0.026
UpCFL	SCE	Upstream CFL - 17	Sic 20 Food & Kindred Products	2,662	53%	17.0	62.8	121.8	0.024
UpCFL	SCE	Upstream CFL - 17	Unknown	2,559	53%	17.0	62.8	117.1	0.024
UpCFL	SCE	Upstream CFL - 17	Utilities	4,052	59%	17.0	62.8	185.4	0.027
UpCFL	SCE	Upstream CFL - 17	Warehouse	2,805	45%	17.0	62.8	128.3	0.020
UpCFL	SCE	Upstream CFL - 18	Agriculture	3,297	43%	18.0	63.9	151.2	0.020
UpCFL	SCE	Upstream CFL - 18	Assembly	1,892	30%	18.0	63.9	86.8	0.014
UpCFL	SCE	Upstream CFL - 18	Communications	1,032	43%	18.0	63.9	47.3	0.020
UpCFL	SCE	Upstream CFL - 18	Construction	2,905	30%	18.0	63.9	133.2	0.014
UpCFL	SCE	Upstream CFL - 18	Education - Other	2,517	21%	18.0	63.9	115.4	0.010
UpCFL	SCE	Upstream CFL - 18	Education - Secondary School	3,356	28%	18.0	63.9	153.9	0.013
UpCFL	SCE	Upstream CFL - 18	Health/Medical	2,122	30%	18.0	63.9	97.3	0.014
UpCFL	SCE	Upstream CFL - 18	Lodging	1,467	16%	18.0	63.9	67.3	0.007
UpCFL	SCE	Upstream CFL - 18	Manufacturing - Light Industrial	2,446	42%	18.0	63.9	112.2	0.019
UpCFL	SCE	Upstream CFL - 18	Missing	2,720	41%	18.0	63.9	124.7	0.019
UpCFL	SCE	Upstream CFL - 18	Office - Small	2,836	39%	18.0	63.9	130.0	0.018
UpCFL	SCE	Upstream CFL - 18	Restaurant	3,942	62%	18.0	63.9	180.8	0.028
UpCFL	SCE	Upstream CFL - 18	Retail	2,958	56%	18.0	63.9	135.7	0.026
UpCFL	SCE	Upstream CFL - 18	Sic 20 Food & Kindred Products	2,662	53%	18.0	63.9	122.1	0.024
UpCFL	SCE	Upstream CFL - 18	Unknown	2,559	53%	18.0	63.9	117.4	0.024
UpCFL	SCE	Upstream CFL - 18	Utilities	4,052	59%	18.0	63.9	185.8	0.027
UpCFL	SCE	Upstream CFL - 18	Warehouse	2,805	45%	18.0	63.9	128.6	0.021
UpCFL	SCE	Upstream CFL - 19	Agriculture	3,297	43%	19.0	64.9	151.3	0.020
UpCFL	SCE	Upstream CFL - 19	Assembly	1,892	30%	19.0	64.9	86.8	0.014
UpCFL	SCE	Upstream CFL - 19	Communications	1,032	43%	19.0	64.9	47.4	0.020
UpCFL	SCE	Upstream CFL - 19	Construction	2,905	30%	19.0	64.9	133.3	0.014
UpCFL	SCE	Upstream CFL - 19	Education - Other	2,517	21%	19.0	64.9	115.5	0.010
UpCFL	SCE	Upstream CFL - 19	Education - Secondary School	3,356	28%	19.0	64.9	154.0	0.013
UpCFL	SCE	Upstream CFL - 19	Health/Medical	2,122	30%	19.0	64.9	97.4	0.014
UpCFL	SCE	Upstream CFL - 19	Lodging	1,467	16%	19.0	64.9	67.3	0.007
UpCFL	SCE	Upstream CFL - 19	Manufacturing - Light Industrial	2,446	42%	19.0	64.9	112.3	0.019
UpCFL	SCE	Upstream CFL - 19	Missing	2,720	41%	19.0	64.9	124.8	0.019
UpCFL	SCE	Upstream CFL - 19	Office - Small	2,836	39%	19.0	64.9	130.2	0.018
UpCFL	SCE	Upstream CFL - 19	Restaurant	3,942	62%	19.0	64.9	180.9	0.028
UpCFL	SCE	Upstream CFL - 19	Retail	2,958	56%	19.0	64.9	135.8	0.026
UpCFL	SCE	Upstream CFL - 19	Sic 20 Food & Kindred Products	2,662	53%	19.0	64.9	122.2	0.024
UpCFL	SCE	Upstream CFL - 19	Unknown	2,559	53%	19.0	64.9	117.5	0.024
UpCFL	SCE	Upstream CFL - 19	Utilities	4,052	59%	19.0	64.9	186.0	0.027
UpCFL	SCE	Upstream CFL - 19	Warehouse	2,805	45%	19.0	64.9	128.7	0.021
UpCFL	SCE	Upstream CFL - 20	Agriculture	3,297	43%	20.0	65.9	151.3	0.020

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 20	Assembly	1,892	30%	20.0	65.9	86.8	0.014
UpCFL	SCE	Upstream CFL - 20	Communications	1,032	43%	20.0	65.9	47.4	0.020
UpCFL	SCE	Upstream CFL - 20	Construction	2,905	30%	20.0	65.9	133.3	0.014
UpCFL	SCE	Upstream CFL - 20	Education - Other	2,517	21%	20.0	65.9	115.5	0.010
UpCFL	SCE	Upstream CFL - 20	Education - Secondary School	3,356	28%	20.0	65.9	154.0	0.013
UpCFL	SCE	Upstream CFL - 20	Health/Medical	2,122	30%	20.0	65.9	97.4	0.014
UpCFL	SCE	Upstream CFL - 20	Lodging	1,467	16%	20.0	65.9	67.3	0.007
UpCFL	SCE	Upstream CFL - 20	Manufacturing - Light Industrial	2,446	42%	20.0	65.9	112.3	0.019
UpCFL	SCE	Upstream CFL - 20	Missing	2,720	41%	20.0	65.9	124.8	0.019
UpCFL	SCE	Upstream CFL - 20	Office - Small	2,836	39%	20.0	65.9	130.2	0.018
UpCFL	SCE	Upstream CFL - 20	Restaurant	3,942	62%	20.0	65.9	180.9	0.028
UpCFL	SCE	Upstream CFL - 20	Retail	2,958	56%	20.0	65.9	135.8	0.026
UpCFL	SCE	Upstream CFL - 20	Sic 20 Food & Kindred Products	2,662	53%	20.0	65.9	122.2	0.024
UpCFL	SCE	Upstream CFL - 20	Unknown	2,559	53%	20.0	65.9	117.5	0.024
UpCFL	SCE	Upstream CFL - 20	Utilities	4,052	59%	20.0	65.9	186.0	0.027
UpCFL	SCE	Upstream CFL - 20	Warehouse	2,805	45%	20.0	65.9	128.7	0.021
UpCFL	SCE	Upstream CFL - 21	Agriculture	3,297	43%	21.0	66.8	151.1	0.020
UpCFL	SCE	Upstream CFL - 21	Assembly	1,892	30%	21.0	66.8	86.7	0.014
UpCFL	SCE	Upstream CFL - 21	Communications	1,032	43%	21.0	66.8	47.3	0.020
UpCFL	SCE	Upstream CFL - 21	Construction	2,905	30%	21.0	66.8	133.2	0.014
UpCFL	SCE	Upstream CFL - 21	Education - Other	2,517	21%	21.0	66.8	115.4	0.010
UpCFL	SCE	Upstream CFL - 21	Education - Secondary School	3,356	28%	21.0	66.8	153.8	0.013
UpCFL	SCE	Upstream CFL - 21	Health/Medical	2,122	30%	21.0	66.8	97.3	0.014
UpCFL	SCE	Upstream CFL - 21	Lodging	1,467	16%	21.0	66.8	67.3	0.007
UpCFL	SCE	Upstream CFL - 21	Manufacturing - Light Industrial	2,446	42%	21.0	66.8	112.1	0.019
UpCFL	SCE	Upstream CFL - 21	Missing	2,720	41%	21.0	66.8	124.7	0.019
UpCFL	SCE	Upstream CFL - 21	Office - Small	2,836	39%	21.0	66.8	130.0	0.018
UpCFL	SCE	Upstream CFL - 21	Restaurant	3,942	62%	21.0	66.8	180.7	0.028
UpCFL	SCE	Upstream CFL - 21	Retail	2,958	56%	21.0	66.8	135.6	0.026
UpCFL	SCE	Upstream CFL - 21	Sic 20 Food & Kindred Products	2,662	53%	21.0	66.8	122.0	0.024
UpCFL	SCE	Upstream CFL - 21	Unknown	2,559	53%	21.0	66.8	117.3	0.024
UpCFL	SCE	Upstream CFL - 21	Utilities	4,052	59%	21.0	66.8	185.7	0.027
UpCFL	SCE	Upstream CFL - 21	Warehouse	2,805	45%	21.0	66.8	128.6	0.021
UpCFL	SCE	Upstream CFL - 22	Agriculture	3,297	43%	22.0	67.7	150.8	0.020
UpCFL	SCE	Upstream CFL - 22	Assembly	1,892	30%	22.0	67.7	86.5	0.014
UpCFL	SCE	Upstream CFL - 22	Communications	1,032	43%	22.0	67.7	47.2	0.020
UpCFL	SCE	Upstream CFL - 22	Construction	2,905	30%	22.0	67.7	132.9	0.014
UpCFL	SCE	Upstream CFL - 22	Education - Other	2,517	21%	22.0	67.7	115.1	0.010
UpCFL	SCE	Upstream CFL - 22	Education - Secondary School	3,356	28%	22.0	67.7	153.5	0.013
UpCFL	SCE	Upstream CFL - 22	Health/Medical	2,122	30%	22.0	67.7	97.0	0.014
UpCFL	SCE	Upstream CFL - 22	Lodging	1,467	16%	22.0	67.7	67.1	0.007
UpCFL	SCE	Upstream CFL - 22	Manufacturing - Light Industrial	2,446	42%	22.0	67.7	111.9	0.019
UpCFL	SCE	Upstream CFL - 22	Missing	2,720	41%	22.0	67.7	124.4	0.019
UpCFL	SCE	Upstream CFL - 22	Office - Small	2,836	39%	22.0	67.7	129.7	0.018
UpCFL	SCE	Upstream CFL - 22	Restaurant	3,942	62%	22.0	67.7	180.3	0.028
UpCFL	SCE	Upstream CFL - 22	Retail	2,958	56%	22.0	67.7	135.3	0.026
UpCFL	SCE	Upstream CFL - 22	Sic 20 Food & Kindred Products	2,662	53%	22.0	67.7	121.8	0.024

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 22	Unknown	2,559	53%	22.0	67.7	117.0	0.024
UpCFL	SCE	Upstream CFL - 22	Utilities	4,052	59%	22.0	67.7	185.3	0.027
UpCFL	SCE	Upstream CFL - 22	Warehouse	2,805	45%	22.0	67.7	128.3	0.020
UpCFL	SCE	Upstream CFL - 23	Agriculture	3,297	43%	23.0	68.6	150.3	0.020
UpCFL	SCE	Upstream CFL - 23	Assembly	1,892	30%	23.0	68.6	86.3	0.014
UpCFL	SCE	Upstream CFL - 23	Communications	1,032	43%	23.0	68.6	47.1	0.020
UpCFL	SCE	Upstream CFL - 23	Construction	2,905	30%	23.0	68.6	132.5	0.014
UpCFL	SCE	Upstream CFL - 23	Education - Other	2,517	21%	23.0	68.6	114.8	0.010
UpCFL	SCE	Upstream CFL - 23	Education - Secondary School	3,356	28%	23.0	68.6	153.0	0.013
UpCFL	SCE	Upstream CFL - 23	Health/Medical	2,122	30%	23.0	68.6	96.7	0.014
UpCFL	SCE	Upstream CFL - 23	Lodging	1,467	16%	23.0	68.6	66.9	0.007
UpCFL	SCE	Upstream CFL - 23	Manufacturing - Light Industrial	2,446	42%	23.0	68.6	111.5	0.019
UpCFL	SCE	Upstream CFL - 23	Missing	2,720	41%	23.0	68.6	124.0	0.019
UpCFL	SCE	Upstream CFL - 23	Office - Small	2,836	39%	23.0	68.6	129.3	0.018
UpCFL	SCE	Upstream CFL - 23	Restaurant	3,942	62%	23.0	68.6	179.7	0.028
UpCFL	SCE	Upstream CFL - 23	Retail	2,958	56%	23.0	68.6	134.9	0.026
UpCFL	SCE	Upstream CFL - 23	Sic 20 Food & Kindred Products	2,662	53%	23.0	68.6	121.4	0.024
UpCFL	SCE	Upstream CFL - 23	Unknown	2,559	53%	23.0	68.6	116.7	0.024
UpCFL	SCE	Upstream CFL - 23	Utilities	4,052	59%	23.0	68.6	184.8	0.027
UpCFL	SCE	Upstream CFL - 23	Warehouse	2,805	45%	23.0	68.6	127.9	0.020
UpCFL	SCE	Upstream CFL - 24	Agriculture	3,297	43%	24.0	69.4	149.8	0.020
UpCFL	SCE	Upstream CFL - 24	Assembly	1,892	30%	24.0	69.4	85.9	0.014
UpCFL	SCE	Upstream CFL - 24	Communications	1,032	43%	24.0	69.4	46.9	0.020
UpCFL	SCE	Upstream CFL - 24	Construction	2,905	30%	24.0	69.4	132.0	0.014
UpCFL	SCE	Upstream CFL - 24	Education - Other	2,517	21%	24.0	69.4	114.4	0.010
UpCFL	SCE	Upstream CFL - 24	Education - Secondary School	3,356	28%	24.0	69.4	152.5	0.013
UpCFL	SCE	Upstream CFL - 24	Health/Medical	2,122	30%	24.0	69.4	96.4	0.014
UpCFL	SCE	Upstream CFL - 24	Lodging	1,467	16%	24.0	69.4	66.7	0.007
UpCFL	SCE	Upstream CFL - 24	Manufacturing - Light Industrial	2,446	42%	24.0	69.4	111.1	0.019
UpCFL	SCE	Upstream CFL - 24	Missing	2,720	41%	24.0	69.4	123.6	0.019
UpCFL	SCE	Upstream CFL - 24	Office - Small	2,836	39%	24.0	69.4	128.8	0.018
UpCFL	SCE	Upstream CFL - 24	Restaurant	3,942	62%	24.0	69.4	179.1	0.028
UpCFL	SCE	Upstream CFL - 24	Retail	2,958	56%	24.0	69.4	134.4	0.026
UpCFL	SCE	Upstream CFL - 24	Sic 20 Food & Kindred Products	2,662	53%	24.0	69.4	120.9	0.024
UpCFL	SCE	Upstream CFL - 24	Unknown	2,559	53%	24.0	69.4	116.3	0.024
UpCFL	SCE	Upstream CFL - 24	Utilities	4,052	59%	24.0	69.4	184.1	0.027
UpCFL	SCE	Upstream CFL - 24	Warehouse	2,805	45%	24.0	69.4	127.4	0.020
UpCFL	SCE	Upstream CFL - 25	Agriculture	3,297	43%	25.0	70.2	149.1	0.019
UpCFL	SCE	Upstream CFL - 25	Assembly	1,892	30%	25.0	70.2	85.5	0.014
UpCFL	SCE	Upstream CFL - 25	Communications	1,032	43%	25.0	70.2	46.7	0.019
UpCFL	SCE	Upstream CFL - 25	Construction	2,905	30%	25.0	70.2	131.4	0.014
UpCFL	SCE	Upstream CFL - 25	Education - Other	2,517	21%	25.0	70.2	113.8	0.010
UpCFL	SCE	Upstream CFL - 25	Education - Secondary School	3,356	28%	25.0	70.2	151.8	0.013
UpCFL	SCE	Upstream CFL - 25	Health/Medical	2,122	30%	25.0	70.2	95.9	0.014
UpCFL	SCE	Upstream CFL - 25	Lodging	1,467	16%	25.0	70.2	66.3	0.007
UpCFL	SCE	Upstream CFL - 25	Manufacturing - Light Industrial	2,446	42%	25.0	70.2	110.6	0.019
UpCFL	SCE	Upstream CFL - 25	Missing	2,720	41%	25.0	70.2	123.0	0.019

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 25	Office - Small	2,836	39%	25.0	70.2	128.2	0.018
UpCFL	SCE	Upstream CFL - 25	Restaurant	3,942	62%	25.0	70.2	178.2	0.028
UpCFL	SCE	Upstream CFL - 25	Retail	2,958	56%	25.0	70.2	133.8	0.025
UpCFL	SCE	Upstream CFL - 25	Sic 20 Food & Kindred Products	2,662	53%	25.0	70.2	120.4	0.024
UpCFL	SCE	Upstream CFL - 25	Unknown	2,559	53%	25.0	70.2	115.7	0.024
UpCFL	SCE	Upstream CFL - 25	Utilities	4,052	59%	25.0	70.2	183.2	0.027
UpCFL	SCE	Upstream CFL - 25	Warehouse	2,805	45%	25.0	70.2	126.8	0.020
UpCFL	SCE	Upstream CFL - 26	Agriculture	3,297	43%	26.0	71.0	148.3	0.019
UpCFL	SCE	Upstream CFL - 26	Assembly	1,892	30%	26.0	71.0	85.1	0.014
UpCFL	SCE	Upstream CFL - 26	Communications	1,032	43%	26.0	71.0	46.4	0.019
UpCFL	SCE	Upstream CFL - 26	Construction	2,905	30%	26.0	71.0	130.7	0.014
UpCFL	SCE	Upstream CFL - 26	Education - Other	2,517	21%	26.0	71.0	113.2	0.010
UpCFL	SCE	Upstream CFL - 26	Education - Secondary School	3,356	28%	26.0	71.0	151.0	0.012
UpCFL	SCE	Upstream CFL - 26	Health/Medical	2,122	30%	26.0	71.0	95.4	0.013
UpCFL	SCE	Upstream CFL - 26	Lodging	1,467	16%	26.0	71.0	66.0	0.007
UpCFL	SCE	Upstream CFL - 26	Manufacturing - Light Industrial	2,446	42%	26.0	71.0	110.0	0.019
UpCFL	SCE	Upstream CFL - 26	Missing	2,720	41%	26.0	71.0	122.3	0.019
UpCFL	SCE	Upstream CFL - 26	Office - Small	2,836	39%	26.0	71.0	127.5	0.018
UpCFL	SCE	Upstream CFL - 26	Restaurant	3,942	62%	26.0	71.0	177.3	0.028
UpCFL	SCE	Upstream CFL - 26	Retail	2,958	56%	26.0	71.0	133.1	0.025
UpCFL	SCE	Upstream CFL - 26	Sic 20 Food & Kindred Products	2,662	53%	26.0	71.0	119.7	0.024
UpCFL	SCE	Upstream CFL - 26	Unknown	2,559	53%	26.0	71.0	115.1	0.024
UpCFL	SCE	Upstream CFL - 26	Utilities	4,052	59%	26.0	71.0	182.2	0.027
UpCFL	SCE	Upstream CFL - 26	Warehouse	2,805	45%	26.0	71.0	126.1	0.020
UpCFL	SCE	Upstream CFL - 27	Agriculture	3,297	43%	27.0	71.7	147.4	0.019
UpCFL	SCE	Upstream CFL - 27	Assembly	1,892	30%	27.0	71.7	84.6	0.013
UpCFL	SCE	Upstream CFL - 27	Communications	1,032	43%	27.0	71.7	46.1	0.019
UpCFL	SCE	Upstream CFL - 27	Construction	2,905	30%	27.0	71.7	129.9	0.013
UpCFL	SCE	Upstream CFL - 27	Education - Other	2,517	21%	27.0	71.7	112.6	0.010
UpCFL	SCE	Upstream CFL - 27	Education - Secondary School	3,356	28%	27.0	71.7	150.1	0.012
UpCFL	SCE	Upstream CFL - 27	Health/Medical	2,122	30%	27.0	71.7	94.9	0.013
UpCFL	SCE	Upstream CFL - 27	Lodging	1,467	16%	27.0	71.7	65.6	0.007
UpCFL	SCE	Upstream CFL - 27	Manufacturing - Light Industrial	2,446	42%	27.0	71.7	109.4	0.019
UpCFL	SCE	Upstream CFL - 27	Missing	2,720	41%	27.0	71.7	121.6	0.019
UpCFL	SCE	Upstream CFL - 27	Office - Small	2,836	39%	27.0	71.7	126.8	0.017
UpCFL	SCE	Upstream CFL - 27	Restaurant	3,942	62%	27.0	71.7	176.2	0.028
UpCFL	SCE	Upstream CFL - 27	Retail	2,958	56%	27.0	71.7	132.3	0.025
UpCFL	SCE	Upstream CFL - 27	Sic 20 Food & Kindred Products	2,662	53%	27.0	71.7	119.0	0.024
UpCFL	SCE	Upstream CFL - 27	Unknown	2,559	53%	27.0	71.7	114.4	0.024
UpCFL	SCE	Upstream CFL - 27	Utilities	4,052	59%	27.0	71.7	181.1	0.026
UpCFL	SCE	Upstream CFL - 27	Warehouse	2,805	45%	27.0	71.7	125.4	0.020
UpCFL	SCE	Upstream CFL - 28	Agriculture	3,297	43%	28.0	74.4	152.8	0.020
UpCFL	SCE	Upstream CFL - 28	Assembly	1,892	30%	28.0	74.4	87.7	0.014
UpCFL	SCE	Upstream CFL - 28	Communications	1,032	43%	28.0	74.4	47.8	0.020
UpCFL	SCE	Upstream CFL - 28	Construction	2,905	30%	28.0	74.4	134.7	0.014
UpCFL	SCE	Upstream CFL - 28	Education - Other	2,517	21%	28.0	74.4	116.7	0.010
UpCFL	SCE	Upstream CFL - 28	Education - Secondary School	3,356	28%	28.0	74.4	155.6	0.013

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 28	Health/Medical	2,122	30%	28.0	74.4	98.4	0.014
UpCFL	SCE	Upstream CFL - 28	Lodging	1,467	16%	28.0	74.4	68.0	0.007
UpCFL	SCE	Upstream CFL - 28	Manufacturing - Light Industrial	2,446	42%	28.0	74.4	113.4	0.019
UpCFL	SCE	Upstream CFL - 28	Missing	2,720	41%	28.0	74.4	126.1	0.019
UpCFL	SCE	Upstream CFL - 28	Office - Small	2,836	39%	28.0	74.4	131.5	0.018
UpCFL	SCE	Upstream CFL - 28	Restaurant	3,942	62%	28.0	74.4	182.7	0.029
UpCFL	SCE	Upstream CFL - 28	Retail	2,958	56%	28.0	74.4	137.1	0.026
UpCFL	SCE	Upstream CFL - 28	Sic 20 Food & Kindred Products	2,662	53%	28.0	74.4	123.4	0.024
UpCFL	SCE	Upstream CFL - 28	Unknown	2,559	53%	28.0	74.4	118.6	0.025
UpCFL	SCE	Upstream CFL - 28	Utilities	4,052	59%	28.0	74.4	187.8	0.027
UpCFL	SCE	Upstream CFL - 28	Warehouse	2,805	45%	28.0	74.4	130.0	0.021
UpCFL	SCE	Upstream CFL - 29	Agriculture	3,297	43%	29.0	77.0	158.3	0.021
UpCFL	SCE	Upstream CFL - 29	Assembly	1,892	30%	29.0	77.0	90.8	0.014
UpCFL	SCE	Upstream CFL - 29	Communications	1,032	43%	29.0	77.0	49.5	0.021
UpCFL	SCE	Upstream CFL - 29	Construction	2,905	30%	29.0	77.0	139.5	0.014
UpCFL	SCE	Upstream CFL - 29	Education - Other	2,517	21%	29.0	77.0	120.9	0.010
UpCFL	SCE	Upstream CFL - 29	Education - Secondary School	3,356	28%	29.0	77.0	161.2	0.013
UpCFL	SCE	Upstream CFL - 29	Health/Medical	2,122	30%	29.0	77.0	101.9	0.014
UpCFL	SCE	Upstream CFL - 29	Lodging	1,467	16%	29.0	77.0	70.5	0.008
UpCFL	SCE	Upstream CFL - 29	Manufacturing - Light Industrial	2,446	42%	29.0	77.0	117.5	0.020
UpCFL	SCE	Upstream CFL - 29	Missing	2,720	41%	29.0	77.0	130.6	0.020
UpCFL	SCE	Upstream CFL - 29	Office - Small	2,836	39%	29.0	77.0	136.2	0.019
UpCFL	SCE	Upstream CFL - 29	Restaurant	3,942	62%	29.0	77.0	189.3	0.030
UpCFL	SCE	Upstream CFL - 29	Retail	2,958	56%	29.0	77.0	142.1	0.027
UpCFL	SCE	Upstream CFL - 29	Sic 20 Food & Kindred Products	2,662	53%	29.0	77.0	127.8	0.025
UpCFL	SCE	Upstream CFL - 29	Unknown	2,559	53%	29.0	77.0	122.9	0.025
UpCFL	SCE	Upstream CFL - 29	Utilities	4,052	59%	29.0	77.0	194.6	0.028
UpCFL	SCE	Upstream CFL - 29	Warehouse	2,805	45%	29.0	77.0	134.7	0.022
UpCFL	SCE	Upstream CFL - 30	Agriculture	3,297	43%	30.0	79.7	163.8	0.021
UpCFL	SCE	Upstream CFL - 30	Assembly	1,892	30%	30.0	79.7	94.0	0.015
UpCFL	SCE	Upstream CFL - 30	Communications	1,032	43%	30.0	79.7	51.3	0.021
UpCFL	SCE	Upstream CFL - 30	Construction	2,905	30%	30.0	79.7	144.3	0.015
UpCFL	SCE	Upstream CFL - 30	Education - Other	2,517	21%	30.0	79.7	125.1	0.011
UpCFL	SCE	Upstream CFL - 30	Education - Secondary School	3,356	28%	30.0	79.7	166.7	0.014
UpCFL	SCE	Upstream CFL - 30	Health/Medical	2,122	30%	30.0	79.7	105.4	0.015
UpCFL	SCE	Upstream CFL - 30	Lodging	1,467	16%	30.0	79.7	72.9	0.008
UpCFL	SCE	Upstream CFL - 30	Manufacturing - Light Industrial	2,446	42%	30.0	79.7	121.5	0.021
UpCFL	SCE	Upstream CFL - 30	Missing	2,720	41%	30.0	79.7	135.1	0.021
UpCFL	SCE	Upstream CFL - 30	Office - Small	2,836	39%	30.0	79.7	140.9	0.019
UpCFL	SCE	Upstream CFL - 30	Restaurant	3,942	62%	30.0	79.7	195.8	0.031
UpCFL	SCE	Upstream CFL - 30	Retail	2,958	56%	30.0	79.7	147.0	0.028
UpCFL	SCE	Upstream CFL - 30	Sic 20 Food & Kindred Products	2,662	53%	30.0	79.7	132.2	0.026
UpCFL	SCE	Upstream CFL - 30	Unknown	2,559	53%	30.0	79.7	127.1	0.026
UpCFL	SCE	Upstream CFL - 30	Utilities	4,052	59%	30.0	79.7	201.3	0.029
UpCFL	SCE	Upstream CFL - 30	Warehouse	2,805	45%	30.0	79.7	139.3	0.022
UpCFL	SCE	Upstream CFL - 31	Agriculture	3,297	43%	31.0	82.3	169.2	0.022
UpCFL	SCE	Upstream CFL - 31	Assembly	1,892	30%	31.0	82.3	97.1	0.015

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 31	Communications	1,032	43%	31.0	82.3	53.0	0.022
UpCFL	SCE	Upstream CFL - 31	Construction	2,905	30%	31.0	82.3	149.1	0.015
UpCFL	SCE	Upstream CFL - 31	Education - Other	2,517	21%	31.0	82.3	129.2	0.011
UpCFL	SCE	Upstream CFL - 31	Education - Secondary School	3,356	28%	31.0	82.3	172.3	0.014
UpCFL	SCE	Upstream CFL - 31	Health/Medical	2,122	30%	31.0	82.3	108.9	0.015
UpCFL	SCE	Upstream CFL - 31	Lodging	1,467	16%	31.0	82.3	75.3	0.008
UpCFL	SCE	Upstream CFL - 31	Manufacturing - Light Industrial	2,446	42%	31.0	82.3	125.6	0.021
UpCFL	SCE	Upstream CFL - 31	Missing	2,720	41%	31.0	82.3	139.6	0.021
UpCFL	SCE	Upstream CFL - 31	Office - Small	2,836	39%	31.0	82.3	145.5	0.020
UpCFL	SCE	Upstream CFL - 31	Restaurant	3,942	62%	31.0	82.3	202.3	0.032
UpCFL	SCE	Upstream CFL - 31	Retail	2,958	56%	31.0	82.3	151.8	0.029
UpCFL	SCE	Upstream CFL - 31	Sic 20 Food & Kindred Products	2,662	53%	31.0	82.3	136.6	0.027
UpCFL	SCE	Upstream CFL - 31	Unknown	2,559	53%	31.0	82.3	131.4	0.027
UpCFL	SCE	Upstream CFL - 31	Utilities	4,052	59%	31.0	82.3	208.0	0.030
UpCFL	SCE	Upstream CFL - 31	Warehouse	2,805	45%	31.0	82.3	144.0	0.023
UpCFL	SCE	Upstream CFL - 32	Agriculture	3,297	43%	32.0	85.0	174.7	0.023
UpCFL	SCE	Upstream CFL - 32	Assembly	1,892	30%	32.0	85.0	100.2	0.016
UpCFL	SCE	Upstream CFL - 32	Communications	1,032	43%	32.0	85.0	54.7	0.023
UpCFL	SCE	Upstream CFL - 32	Construction	2,905	30%	32.0	85.0	153.9	0.016
UpCFL	SCE	Upstream CFL - 32	Education - Other	2,517	21%	32.0	85.0	133.4	0.011
UpCFL	SCE	Upstream CFL - 32	Education - Secondary School	3,356	28%	32.0	85.0	177.8	0.015
UpCFL	SCE	Upstream CFL - 32	Health/Medical	2,122	30%	32.0	85.0	112.4	0.016
UpCFL	SCE	Upstream CFL - 32	Lodging	1,467	16%	32.0	85.0	77.7	0.008
UpCFL	SCE	Upstream CFL - 32	Manufacturing - Light Industrial	2,446	42%	32.0	85.0	129.6	0.022
UpCFL	SCE	Upstream CFL - 32	Missing	2,720	41%	32.0	85.0	144.1	0.022
UpCFL	SCE	Upstream CFL - 32	Office - Small	2,836	39%	32.0	85.0	150.3	0.021
UpCFL	SCE	Upstream CFL - 32	Restaurant	3,942	62%	32.0	85.0	208.9	0.033
UpCFL	SCE	Upstream CFL - 32	Retail	2,958	56%	32.0	85.0	156.8	0.030
UpCFL	SCE	Upstream CFL - 32	Sic 20 Food & Kindred Products	2,662	53%	32.0	85.0	141.1	0.028
UpCFL	SCE	Upstream CFL - 32	Unknown	2,559	53%	32.0	85.0	135.6	0.028
UpCFL	SCE	Upstream CFL - 32	Utilities	4,052	59%	32.0	85.0	214.7	0.031
UpCFL	SCE	Upstream CFL - 32	Warehouse	2,805	45%	32.0	85.0	148.6	0.024
UpCFL	SCE	Upstream CFL - 33	Agriculture	3,297	43%	33.0	87.6	180.1	0.023
UpCFL	SCE	Upstream CFL - 33	Assembly	1,892	30%	33.0	87.6	103.4	0.016
UpCFL	SCE	Upstream CFL - 33	Communications	1,032	43%	33.0	87.6	56.4	0.023
UpCFL	SCE	Upstream CFL - 33	Construction	2,905	30%	33.0	87.6	158.7	0.016
UpCFL	SCE	Upstream CFL - 33	Education - Other	2,517	21%	33.0	87.6	137.5	0.012
UpCFL	SCE	Upstream CFL - 33	Education - Secondary School	3,356	28%	33.0	87.6	183.4	0.015
UpCFL	SCE	Upstream CFL - 33	Health/Medical	2,122	30%	33.0	87.6	115.9	0.016
UpCFL	SCE	Upstream CFL - 33	Lodging	1,467	16%	33.0	87.6	80.2	0.009
UpCFL	SCE	Upstream CFL - 33	Manufacturing - Light Industrial	2,446	42%	33.0	87.6	133.7	0.023
UpCFL	SCE	Upstream CFL - 33	Missing	2,720	41%	33.0	87.6	148.6	0.023
UpCFL	SCE	Upstream CFL - 33	Office - Small	2,836	39%	33.0	87.6	154.9	0.021
UpCFL	SCE	Upstream CFL - 33	Restaurant	3,942	62%	33.0	87.6	215.4	0.034
UpCFL	SCE	Upstream CFL - 33	Retail	2,958	56%	33.0	87.6	161.6	0.031
UpCFL	SCE	Upstream CFL - 33	Sic 20 Food & Kindred Products	2,662	53%	33.0	87.6	145.4	0.029
UpCFL	SCE	Upstream CFL - 33	Unknown	2,559	53%	33.0	87.6	139.8	0.029

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 33	Utilities	4,052	59%	33.0	87.6	221.4	0.032
UpCFL	SCE	Upstream CFL - 33	Warehouse	2,805	45%	33.0	87.6	153.2	0.024
UpCFL	SCE	Upstream CFL - 34	Agriculture	3,297	43%	34.0	90.3	185.6	0.024
UpCFL	SCE	Upstream CFL - 34	Assembly	1,892	30%	34.0	90.3	106.5	0.017
UpCFL	SCE	Upstream CFL - 34	Communications	1,032	43%	34.0	90.3	58.1	0.024
UpCFL	SCE	Upstream CFL - 34	Construction	2,905	30%	34.0	90.3	163.5	0.017
UpCFL	SCE	Upstream CFL - 34	Education - Other	2,517	21%	34.0	90.3	141.7	0.012
UpCFL	SCE	Upstream CFL - 34	Education - Secondary School	3,356	28%	34.0	90.3	188.9	0.016
UpCFL	SCE	Upstream CFL - 34	Health/Medical	2,122	30%	34.0	90.3	119.4	0.017
UpCFL	SCE	Upstream CFL - 34	Lodging	1,467	16%	34.0	90.3	82.6	0.009
UpCFL	SCE	Upstream CFL - 34	Manufacturing - Light Industrial	2,446	42%	34.0	90.3	137.7	0.023
UpCFL	SCE	Upstream CFL - 34	Missing	2,720	41%	34.0	90.3	153.1	0.023
UpCFL	SCE	Upstream CFL - 34	Office - Small	2,836	39%	34.0	90.3	159.6	0.022
UpCFL	SCE	Upstream CFL - 34	Restaurant	3,942	62%	34.0	90.3	221.9	0.035
UpCFL	SCE	Upstream CFL - 34	Retail	2,958	56%	34.0	90.3	166.5	0.032
UpCFL	SCE	Upstream CFL - 34	Sic 20 Food & Kindred Products	2,662	53%	34.0	90.3	149.9	0.030
UpCFL	SCE	Upstream CFL - 34	Unknown	2,559	53%	34.0	90.3	144.1	0.030
UpCFL	SCE	Upstream CFL - 34	Utilities	4,052	59%	34.0	90.3	228.1	0.033
UpCFL	SCE	Upstream CFL - 34	Warehouse	2,805	45%	34.0	90.3	157.9	0.025
UpCFL	SCE	Upstream CFL - 35	Agriculture	3,297	43%	35.0	93.0	191.1	0.025
UpCFL	SCE	Upstream CFL - 35	Assembly	1,892	30%	35.0	93.0	109.7	0.017
UpCFL	SCE	Upstream CFL - 35	Communications	1,032	43%	35.0	93.0	59.8	0.025
UpCFL	SCE	Upstream CFL - 35	Construction	2,905	30%	35.0	93.0	168.4	0.017
UpCFL	SCE	Upstream CFL - 35	Education - Other	2,517	21%	35.0	93.0	145.9	0.012
UpCFL	SCE	Upstream CFL - 35	Education - Secondary School	3,356	28%	35.0	93.0	194.5	0.016
UpCFL	SCE	Upstream CFL - 35	Health/Medical	2,122	30%	35.0	93.0	123.0	0.017
UpCFL	SCE	Upstream CFL - 35	Lodging	1,467	16%	35.0	93.0	85.0	0.009
UpCFL	SCE	Upstream CFL - 35	Manufacturing - Light Industrial	2,446	42%	35.0	93.0	141.8	0.024
UpCFL	SCE	Upstream CFL - 35	Missing	2,720	41%	35.0	93.0	157.7	0.024
UpCFL	SCE	Upstream CFL - 35	Office - Small	2,836	39%	35.0	93.0	164.3	0.023
UpCFL	SCE	Upstream CFL - 35	Restaurant	3,942	62%	35.0	93.0	228.5	0.036
UpCFL	SCE	Upstream CFL - 35	Retail	2,958	56%	35.0	93.0	171.5	0.033
UpCFL	SCE	Upstream CFL - 35	Sic 20 Food & Kindred Products	2,662	53%	35.0	93.0	154.3	0.030
UpCFL	SCE	Upstream CFL - 35	Unknown	2,559	53%	35.0	93.0	148.3	0.031
UpCFL	SCE	Upstream CFL - 35	Utilities	4,052	59%	35.0	93.0	234.8	0.034
UpCFL	SCE	Upstream CFL - 35	Warehouse	2,805	45%	35.0	93.0	162.6	0.026
UpCFL	SCE	Upstream CFL - 36	Agriculture	3,297	43%	36.0	95.6	196.5	0.026
UpCFL	SCE	Upstream CFL - 36	Assembly	1,892	30%	36.0	95.6	112.8	0.018
UpCFL	SCE	Upstream CFL - 36	Communications	1,032	43%	36.0	95.6	61.5	0.026
UpCFL	SCE	Upstream CFL - 36	Construction	2,905	30%	36.0	95.6	173.2	0.018
UpCFL	SCE	Upstream CFL - 36	Education - Other	2,517	21%	36.0	95.6	150.1	0.013
UpCFL	SCE	Upstream CFL - 36	Education - Secondary School	3,356	28%	36.0	95.6	200.1	0.017
UpCFL	SCE	Upstream CFL - 36	Health/Medical	2,122	30%	36.0	95.6	126.5	0.018
UpCFL	SCE	Upstream CFL - 36	Lodging	1,467	16%	36.0	95.6	87.5	0.010
UpCFL	SCE	Upstream CFL - 36	Manufacturing - Light Industrial	2,446	42%	36.0	95.6	145.8	0.025
UpCFL	SCE	Upstream CFL - 36	Missing	2,720	41%	36.0	95.6	162.1	0.025
UpCFL	SCE	Upstream CFL - 36	Office - Small	2,836	39%	36.0	95.6	169.0	0.023

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 36	Restaurant	3,942	62%	36.0	95.6	235.0	0.037
UpCFL	SCE	Upstream CFL - 36	Retail	2,958	56%	36.0	95.6	176.3	0.034
UpCFL	SCE	Upstream CFL - 36	Sic 20 Food & Kindred Products	2,662	53%	36.0	95.6	158.7	0.031
UpCFL	SCE	Upstream CFL - 36	Unknown	2,559	53%	36.0	95.6	152.5	0.032
UpCFL	SCE	Upstream CFL - 36	Utilities	4,052	59%	36.0	95.6	241.5	0.035
UpCFL	SCE	Upstream CFL - 36	Warehouse	2,805	45%	36.0	95.6	167.2	0.027
UpCFL	SCE	Upstream CFL - 37	Agriculture	3,297	43%	37.0	98.3	202.0	0.026
UpCFL	SCE	Upstream CFL - 37	Assembly	1,892	30%	37.0	98.3	115.9	0.018
UpCFL	SCE	Upstream CFL - 37	Communications	1,032	43%	37.0	98.3	63.2	0.026
UpCFL	SCE	Upstream CFL - 37	Construction	2,905	30%	37.0	98.3	178.0	0.018
UpCFL	SCE	Upstream CFL - 37	Education - Other	2,517	21%	37.0	98.3	154.2	0.013
UpCFL	SCE	Upstream CFL - 37	Education - Secondary School	3,356	28%	37.0	98.3	205.6	0.017
UpCFL	SCE	Upstream CFL - 37	Health/Medical	2,122	30%	37.0	98.3	130.0	0.018
UpCFL	SCE	Upstream CFL - 37	Lodging	1,467	16%	37.0	98.3	89.9	0.010
UpCFL	SCE	Upstream CFL - 37	Manufacturing - Light Industrial	2,446	42%	37.0	98.3	149.9	0.025
UpCFL	SCE	Upstream CFL - 37	Missing	2,720	41%	37.0	98.3	166.7	0.025
UpCFL	SCE	Upstream CFL - 37	Office - Small	2,836	39%	37.0	98.3	173.7	0.024
UpCFL	SCE	Upstream CFL - 37	Restaurant	3,942	62%	37.0	98.3	241.5	0.038
UpCFL	SCE	Upstream CFL - 37	Retail	2,958	56%	37.0	98.3	181.2	0.034
UpCFL	SCE	Upstream CFL - 37	Sic 20 Food & Kindred Products	2,662	53%	37.0	98.3	163.1	0.032
UpCFL	SCE	Upstream CFL - 37	Unknown	2,559	53%	37.0	98.3	156.8	0.032
UpCFL	SCE	Upstream CFL - 37	Utilities	4,052	59%	37.0	98.3	248.2	0.036
UpCFL	SCE	Upstream CFL - 37	Warehouse	2,805	45%	37.0	98.3	171.8	0.027
UpCFL	SCE	Upstream CFL - 38	Agriculture	3,297	43%	38.0	100.9	207.4	0.027
UpCFL	SCE	Upstream CFL - 38	Assembly	1,892	30%	38.0	100.9	119.0	0.019
UpCFL	SCE	Upstream CFL - 38	Communications	1,032	43%	38.0	100.9	64.9	0.027
UpCFL	SCE	Upstream CFL - 38	Construction	2,905	30%	38.0	100.9	182.8	0.019
UpCFL	SCE	Upstream CFL - 38	Education - Other	2,517	21%	38.0	100.9	158.4	0.013
UpCFL	SCE	Upstream CFL - 38	Education - Secondary School	3,356	28%	38.0	100.9	211.2	0.017
UpCFL	SCE	Upstream CFL - 38	Health/Medical	2,122	30%	38.0	100.9	133.5	0.019
UpCFL	SCE	Upstream CFL - 38	Lodging	1,467	16%	38.0	100.9	92.3	0.010
UpCFL	SCE	Upstream CFL - 38	Manufacturing - Light Industrial	2,446	42%	38.0	100.9	153.9	0.026
UpCFL	SCE	Upstream CFL - 38	Missing	2,720	41%	38.0	100.9	171.1	0.026
UpCFL	SCE	Upstream CFL - 38	Office - Small	2,836	39%	38.0	100.9	178.4	0.025
UpCFL	SCE	Upstream CFL - 38	Restaurant	3,942	62%	38.0	100.9	248.0	0.039
UpCFL	SCE	Upstream CFL - 38	Retail	2,958	56%	38.0	100.9	186.1	0.035
UpCFL	SCE	Upstream CFL - 38	Sic 20 Food & Kindred Products	2,662	53%	38.0	100.9	167.5	0.033
UpCFL	SCE	Upstream CFL - 38	Unknown	2,559	53%	38.0	100.9	161.0	0.033
UpCFL	SCE	Upstream CFL - 38	Utilities	4,052	59%	38.0	100.9	254.9	0.037
UpCFL	SCE	Upstream CFL - 38	Warehouse	2,805	45%	38.0	100.9	176.5	0.028
UpCFL	SCE	Upstream CFL - 39	Agriculture	3,297	43%	39.0	103.6	212.9	0.028
UpCFL	SCE	Upstream CFL - 39	Assembly	1,892	30%	39.0	103.6	122.2	0.019
UpCFL	SCE	Upstream CFL - 39	Communications	1,032	43%	39.0	103.6	66.6	0.028
UpCFL	SCE	Upstream CFL - 39	Construction	2,905	30%	39.0	103.6	187.6	0.019
UpCFL	SCE	Upstream CFL - 39	Education - Other	2,517	21%	39.0	103.6	162.6	0.014
UpCFL	SCE	Upstream CFL - 39	Education - Secondary School	3,356	28%	39.0	103.6	216.7	0.018
UpCFL	SCE	Upstream CFL - 39	Health/Medical	2,122	30%	39.0	103.6	137.0	0.019



HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 39	Lodging	1,467	16%	39.0	103.6	94.8	0.010
UpCFL	SCE	Upstream CFL - 39	Manufacturing - Light Industrial	2,446	42%	39.0	103.6	158.0	0.027
UpCFL	SCE	Upstream CFL - 39	Missing	2,720	41%	39.0	103.6	175.7	0.027
UpCFL	SCE	Upstream CFL - 39	Office - Small	2,836	39%	39.0	103.6	183.1	0.025
UpCFL	SCE	Upstream CFL - 39	Restaurant	3,942	62%	39.0	103.6	254.6	0.040
UpCFL	SCE	Upstream CFL - 39	Retail	2,958	56%	39.0	103.6	191.0	0.036
UpCFL	SCE	Upstream CFL - 39	Sic 20 Food & Kindred Products	2,662	53%	39.0	103.6	171.9	0.034
UpCFL	SCE	Upstream CFL - 39	Unknown	2,559	53%	39.0	103.6	165.3	0.034
UpCFL	SCE	Upstream CFL - 39	Utilities	4,052	59%	39.0	103.6	261.7	0.038
UpCFL	SCE	Upstream CFL - 39	Warehouse	2,805	45%	39.0	103.6	181.1	0.029
UpCFL	SCE	Upstream CFL - 40	Agriculture	3,297	43%	40.0	106.2	218.4	0.028
UpCFL	SCE	Upstream CFL - 40	Assembly	1,892	30%	40.0	106.2	125.3	0.020
UpCFL	SCE	Upstream CFL - 40	Communications	1,032	43%	40.0	106.2	68.3	0.028
UpCFL	SCE	Upstream CFL - 40	Construction	2,905	30%	40.0	106.2	192.4	0.020
UpCFL	SCE	Upstream CFL - 40	Education - Other	2,517	21%	40.0	106.2	166.7	0.014
UpCFL	SCE	Upstream CFL - 40	Education - Secondary School	3,356	28%	40.0	106.2	222.3	0.018
UpCFL	SCE	Upstream CFL - 40	Health/Medical	2,122	30%	40.0	106.2	140.5	0.020
UpCFL	SCE	Upstream CFL - 40	Lodging	1,467	16%	40.0	106.2	97.2	0.011
UpCFL	SCE	Upstream CFL - 40	Manufacturing - Light Industrial	2,446	42%	40.0	106.2	162.0	0.028
UpCFL	SCE	Upstream CFL - 40	Missing	2,720	41%	40.0	106.2	180.1	0.027
UpCFL	SCE	Upstream CFL - 40	Office - Small	2,836	39%	40.0	106.2	187.8	0.026
UpCFL	SCE	Upstream CFL - 40	Restaurant	3,942	62%	40.0	106.2	261.1	0.041
UpCFL	SCE	Upstream CFL - 40	Retail	2,958	56%	40.0	106.2	195.9	0.037
UpCFL	SCE	Upstream CFL - 40	Sic 20 Food & Kindred Products	2,662	53%	40.0	106.2	176.3	0.035
UpCFL	SCE	Upstream CFL - 40	Unknown	2,559	53%	40.0	106.2	169.5	0.035
UpCFL	SCE	Upstream CFL - 40	Utilities	4,052	59%	40.0	106.2	268.3	0.039
UpCFL	SCE	Upstream CFL - 40	Warehouse	2,805	45%	40.0	106.2	185.7	0.030
UpCFL	SCE	Upstream CFL - 41	Agriculture	3,297	43%	41.0	108.9	223.8	0.029
UpCFL	SCE	Upstream CFL - 41	Assembly	1,892	30%	41.0	108.9	128.4	0.020
UpCFL	SCE	Upstream CFL - 41	Communications	1,032	43%	41.0	108.9	70.0	0.029
UpCFL	SCE	Upstream CFL - 41	Construction	2,905	30%	41.0	108.9	197.2	0.020
UpCFL	SCE	Upstream CFL - 41	Education - Other	2,517	21%	41.0	108.9	170.9	0.015
UpCFL	SCE	Upstream CFL - 41	Education - Secondary School	3,356	28%	41.0	108.9	227.8	0.019
UpCFL	SCE	Upstream CFL - 41	Health/Medical	2,122	30%	41.0	108.9	144.0	0.020
UpCFL	SCE	Upstream CFL - 41	Lodging	1,467	16%	41.0	108.9	99.6	0.011
UpCFL	SCE	Upstream CFL - 41	Manufacturing - Light Industrial	2,446	42%	41.0	108.9	166.1	0.028
UpCFL	SCE	Upstream CFL - 41	Missing	2,720	41%	41.0	108.9	184.7	0.028
UpCFL	SCE	Upstream CFL - 41	Office - Small	2,836	39%	41.0	108.9	192.5	0.027
UpCFL	SCE	Upstream CFL - 41	Restaurant	3,942	62%	41.0	108.9	267.6	0.042
UpCFL	SCE	Upstream CFL - 41	Retail	2,958	56%	41.0	108.9	200.8	0.038
UpCFL	SCE	Upstream CFL - 41	Sic 20 Food & Kindred Products	2,662	53%	41.0	108.9	180.7	0.036
UpCFL	SCE	Upstream CFL - 41	Unknown	2,559	53%	41.0	108.9	173.7	0.036
UpCFL	SCE	Upstream CFL - 41	Utilities	4,052	59%	41.0	108.9	275.1	0.040
UpCFL	SCE	Upstream CFL - 41	Warehouse	2,805	45%	41.0	108.9	190.4	0.030
UpCFL	SCE	Upstream CFL - 42	Agriculture	3,297	43%	42.0	111.6	229.3	0.030
UpCFL	SCE	Upstream CFL - 42	Assembly	1,892	30%	42.0	111.6	131.6	0.021
UpCFL	SCE	Upstream CFL - 42	Communications	1,032	43%	42.0	111.6	71.8	0.030

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SCE	Upstream CFL - 42	Construction	2,905	30%	42.0	111.6	202.0	0.021
UpCFL	SCE	Upstream CFL - 42	Education - Other	2,517	21%	42.0	111.6	175.1	0.015
UpCFL	SCE	Upstream CFL - 42	Education - Secondary School	3,356	28%	42.0	111.6	233.4	0.019
UpCFL	SCE	Upstream CFL - 42	Health/Medical	2,122	30%	42.0	111.6	147.6	0.021
UpCFL	SCE	Upstream CFL - 42	Lodging	1,467	16%	42.0	111.6	102.0	0.011
UpCFL	SCE	Upstream CFL - 42	Manufacturing - Light Industrial	2,446	42%	42.0	111.6	170.1	0.029
UpCFL	SCE	Upstream CFL - 42	Missing	2,720	41%	42.0	111.6	189.2	0.029
UpCFL	SCE	Upstream CFL - 42	Office - Small	2,836	39%	42.0	111.6	197.2	0.027
UpCFL	SCE	Upstream CFL - 42	Restaurant	3,942	62%	42.0	111.6	274.2	0.043
UpCFL	SCE	Upstream CFL - 42	Retail	2,958	56%	42.0	111.6	205.7	0.039
UpCFL	SCE	Upstream CFL - 42	Sic 20 Food & Kindred Products	2,662	53%	42.0	111.6	185.1	0.037
UpCFL	SCE	Upstream CFL - 42	Unknown	2,559	53%	42.0	111.6	178.0	0.037
UpCFL	SCE	Upstream CFL - 42	Utilities	4,052	59%	42.0	111.6	281.8	0.041
UpCFL	SCE	Upstream CFL - 42	Warehouse	2,805	45%	42.0	111.6	195.1	0.031
UpCFL	SCE	Upstream CFL - 68	Agriculture	3,297	43%	68.0	180.6	371.2	0.048
UpCFL	SCE	Upstream CFL - 68	Assembly	1,892	30%	68.0	180.6	213.0	0.034
UpCFL	SCE	Upstream CFL - 68	Communications	1,032	43%	68.0	180.6	116.2	0.048
UpCFL	SCE	Upstream CFL - 68	Construction	2,905	30%	68.0	180.6	327.1	0.034
UpCFL	SCE	Upstream CFL - 68	Education - Other	2,517	21%	68.0	180.6	283.5	0.024
UpCFL	SCE	Upstream CFL - 68	Education - Secondary School	3,356	28%	68.0	180.6	377.9	0.031
UpCFL	SCE	Upstream CFL - 68	Health/Medical	2,122	30%	68.0	180.6	238.9	0.034
UpCFL	SCE	Upstream CFL - 68	Lodging	1,467	16%	68.0	180.6	165.2	0.018
UpCFL	SCE	Upstream CFL - 68	Manufacturing - Light Industrial	2,446	42%	68.0	180.6	275.4	0.047
UpCFL	SCE	Upstream CFL - 68	Missing	2,720	41%	68.0	180.6	306.3	0.047
UpCFL	SCE	Upstream CFL - 68	Office - Small	2,836	39%	68.0	180.6	319.3	0.044
UpCFL	SCE	Upstream CFL - 68	Restaurant	3,942	62%	68.0	180.6	443.8	0.070
UpCFL	SCE	Upstream CFL - 68	Retail	2,958	56%	68.0	180.6	333.1	0.063
UpCFL	SCE	Upstream CFL - 68	Sic 20 Food & Kindred Products	2,662	53%	68.0	180.6	299.7	0.059
UpCFL	SCE	Upstream CFL - 68	Unknown	2,559	53%	68.0	180.6	288.1	0.060
UpCFL	SCE	Upstream CFL - 68	Utilities	4,052	59%	68.0	180.6	456.2	0.067
UpCFL	SCE	Upstream CFL - 68	Warehouse	2,805	45%	68.0	180.6	315.8	0.050
UpCFL	SDG	Upstream CFL - 03	Agriculture	1,217	24%	3.0	14.8	14.4	0.003
UpCFL	SDG	Upstream CFL - 03	Assembly	1,348	11%	3.0	14.8	15.9	0.001
UpCFL	SDG	Upstream CFL - 03	Communications	1,032	24%	3.0	14.8	12.2	0.003
UpCFL	SDG	Upstream CFL - 03	Construction	2,989	11%	3.0	14.8	35.3	0.001
UpCFL	SDG	Upstream CFL - 03	Education - Other	2,812	27%	3.0	14.8	33.2	0.003
UpCFL	SDG	Upstream CFL - 03	Education - Secondary School	1,025	19%	3.0	14.8	12.1	0.002
UpCFL	SDG	Upstream CFL - 03	Health/Medical	2,063	52%	3.0	14.8	24.4	0.006
UpCFL	SDG	Upstream CFL - 03	Lodging	1,106	13%	3.0	14.8	13.1	0.002
UpCFL	SDG	Upstream CFL - 03	Manufacturing - Light Industrial	2,693	55%	3.0	14.8	31.8	0.006
UpCFL	SDG	Upstream CFL - 03	Missing	3,645	76%	3.0	14.8	43.1	0.009
UpCFL	SDG	Upstream CFL - 03	Office - Small	2,551	41%	3.0	14.8	30.1	0.005
UpCFL	SDG	Upstream CFL - 03	Restaurant	3,909	60%	3.0	14.8	46.2	0.007
UpCFL	SDG	Upstream CFL - 03	Retail	3,004	59%	3.0	14.8	35.5	0.007
UpCFL	SDG	Upstream CFL - 03	Sic 20 Food & Kindred Products	2,854	52%	3.0	14.8	33.7	0.006
UpCFL	SDG	Upstream CFL - 03	Unknown	2,559	53%	3.0	14.8	30.2	0.006
UpCFL	SDG	Upstream CFL - 03	Utilities	4,052	59%	3.0	14.8	47.8	0.007

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 03	Warehouse	3,111	42%	3.0	14.8	36.7	0.005
UpCFL	SDG	Upstream CFL - 04	Agriculture	1,217	24%	4.0	19.8	19.2	0.004
UpCFL	SDG	Upstream CFL - 04	Assembly	1,348	11%	4.0	19.8	21.2	0.002
UpCFL	SDG	Upstream CFL - 04	Communications	1,032	24%	4.0	19.8	16.3	0.004
UpCFL	SDG	Upstream CFL - 04	Construction	2,989	11%	4.0	19.8	47.1	0.002
UpCFL	SDG	Upstream CFL - 04	Education - Other	2,812	27%	4.0	19.8	44.3	0.004
UpCFL	SDG	Upstream CFL - 04	Education - Secondary School	1,025	19%	4.0	19.8	16.1	0.003
UpCFL	SDG	Upstream CFL - 04	Health/Medical	2,063	52%	4.0	19.8	32.5	0.008
UpCFL	SDG	Upstream CFL - 04	Lodging	1,106	13%	4.0	19.8	17.4	0.002
UpCFL	SDG	Upstream CFL - 04	Manufacturing - Light Industrial	2,693	55%	4.0	19.8	42.4	0.009
UpCFL	SDG	Upstream CFL - 04	Missing	3,645	76%	4.0	19.8	57.4	0.012
UpCFL	SDG	Upstream CFL - 04	Office - Small	2,551	41%	4.0	19.8	40.2	0.006
UpCFL	SDG	Upstream CFL - 04	Restaurant	3,909	60%	4.0	19.8	61.6	0.010
UpCFL	SDG	Upstream CFL - 04	Retail	3,004	59%	4.0	19.8	47.3	0.009
UpCFL	SDG	Upstream CFL - 04	Sic 20 Food & Kindred Products	2,854	52%	4.0	19.8	45.0	0.008
UpCFL	SDG	Upstream CFL - 04	Unknown	2,559	53%	4.0	19.8	40.3	0.008
UpCFL	SDG	Upstream CFL - 04	Utilities	4,052	59%	4.0	19.8	63.8	0.009
UpCFL	SDG	Upstream CFL - 04	Warehouse	3,111	42%	4.0	19.8	49.0	0.007
UpCFL	SDG	Upstream CFL - 05	Agriculture	1,217	24%	5.0	24.7	24.0	0.005
UpCFL	SDG	Upstream CFL - 05	Assembly	1,348	11%	5.0	24.7	26.5	0.002
UpCFL	SDG	Upstream CFL - 05	Communications	1,032	24%	5.0	24.7	20.3	0.005
UpCFL	SDG	Upstream CFL - 05	Construction	2,989	11%	5.0	24.7	58.8	0.002
UpCFL	SDG	Upstream CFL - 05	Education - Other	2,812	27%	5.0	24.7	55.4	0.005
UpCFL	SDG	Upstream CFL - 05	Education - Secondary School	1,025	19%	5.0	24.7	20.2	0.004
UpCFL	SDG	Upstream CFL - 05	Health/Medical	2,063	52%	5.0	24.7	40.6	0.010
UpCFL	SDG	Upstream CFL - 05	Lodging	1,106	13%	5.0	24.7	21.8	0.003
UpCFL	SDG	Upstream CFL - 05	Manufacturing - Light Industrial	2,693	55%	5.0	24.7	53.0	0.011
UpCFL	SDG	Upstream CFL - 05	Missing	3,645	76%	5.0	24.7	71.8	0.015
UpCFL	SDG	Upstream CFL - 05	Office - Small	2,551	41%	5.0	24.7	50.2	0.008
UpCFL	SDG	Upstream CFL - 05	Restaurant	3,909	60%	5.0	24.7	77.0	0.012
UpCFL	SDG	Upstream CFL - 05	Retail	3,004	59%	5.0	24.7	59.1	0.012
UpCFL	SDG	Upstream CFL - 05	Sic 20 Food & Kindred Products	2,854	52%	5.0	24.7	56.2	0.010
UpCFL	SDG	Upstream CFL - 05	Unknown	2,559	53%	5.0	24.7	50.4	0.010
UpCFL	SDG	Upstream CFL - 05	Utilities	4,052	59%	5.0	24.7	79.8	0.012
UpCFL	SDG	Upstream CFL - 05	Warehouse	3,111	42%	5.0	24.7	61.3	0.008
UpCFL	SDG	Upstream CFL - 06	Agriculture	1,217	24%	6.0	29.6	28.7	0.006
UpCFL	SDG	Upstream CFL - 06	Assembly	1,348	11%	6.0	29.6	31.9	0.003
UpCFL	SDG	Upstream CFL - 06	Communications	1,032	24%	6.0	29.6	24.4	0.006
UpCFL	SDG	Upstream CFL - 06	Construction	2,989	11%	6.0	29.6	70.6	0.003
UpCFL	SDG	Upstream CFL - 06	Education - Other	2,812	27%	6.0	29.6	66.4	0.006
UpCFL	SDG	Upstream CFL - 06	Education - Secondary School	1,025	19%	6.0	29.6	24.2	0.004
UpCFL	SDG	Upstream CFL - 06	Health/Medical	2,063	52%	6.0	29.6	48.7	0.012
UpCFL	SDG	Upstream CFL - 06	Lodging	1,106	13%	6.0	29.6	26.1	0.003
UpCFL	SDG	Upstream CFL - 06	Manufacturing - Light Industrial	2,693	55%	6.0	29.6	63.6	0.013
UpCFL	SDG	Upstream CFL - 06	Missing	3,645	76%	6.0	29.6	86.1	0.018
UpCFL	SDG	Upstream CFL - 06	Office - Small	2,551	41%	6.0	29.6	60.3	0.010
UpCFL	SDG	Upstream CFL - 06	Restaurant	3,909	60%	6.0	29.6	92.4	0.014

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 06	Retail	3,004	59%	6.0	29.6	71.0	0.014
UpCFL	SDG	Upstream CFL - 06	Sic 20 Food & Kindred Products	2,854	52%	6.0	29.6	67.4	0.012
UpCFL	SDG	Upstream CFL - 06	Unknown	2,559	53%	6.0	29.6	60.5	0.012
UpCFL	SDG	Upstream CFL - 06	Utilities	4,052	59%	6.0	29.6	95.7	0.014
UpCFL	SDG	Upstream CFL - 06	Warehouse	3,111	42%	6.0	29.6	73.5	0.010
UpCFL	SDG	Upstream CFL - 07	Agriculture	1,217	24%	7.0	34.6	33.5	0.007
UpCFL	SDG	Upstream CFL - 07	Assembly	1,348	11%	7.0	34.6	37.2	0.003
UpCFL	SDG	Upstream CFL - 07	Communications	1,032	24%	7.0	34.6	28.4	0.007
UpCFL	SDG	Upstream CFL - 07	Construction	2,989	11%	7.0	34.6	82.4	0.003
UpCFL	SDG	Upstream CFL - 07	Education - Other	2,812	27%	7.0	34.6	77.5	0.007
UpCFL	SDG	Upstream CFL - 07	Education - Secondary School	1,025	19%	7.0	34.6	28.2	0.005
UpCFL	SDG	Upstream CFL - 07	Health/Medical	2,063	52%	7.0	34.6	56.9	0.014
UpCFL	SDG	Upstream CFL - 07	Lodging	1,106	13%	7.0	34.6	30.5	0.004
UpCFL	SDG	Upstream CFL - 07	Manufacturing - Light Industrial	2,693	55%	7.0	34.6	74.2	0.015
UpCFL	SDG	Upstream CFL - 07	Missing	3,645	76%	7.0	34.6	100.5	0.021
UpCFL	SDG	Upstream CFL - 07	Office - Small	2,551	41%	7.0	34.6	70.3	0.011
UpCFL	SDG	Upstream CFL - 07	Restaurant	3,909	60%	7.0	34.6	107.8	0.017
UpCFL	SDG	Upstream CFL - 07	Retail	3,004	59%	7.0	34.6	82.8	0.016
UpCFL	SDG	Upstream CFL - 07	Sic 20 Food & Kindred Products	2,854	52%	7.0	34.6	78.7	0.014
UpCFL	SDG	Upstream CFL - 07	Unknown	2,559	53%	7.0	34.6	70.6	0.015
UpCFL	SDG	Upstream CFL - 07	Utilities	4,052	59%	7.0	34.6	111.7	0.016
UpCFL	SDG	Upstream CFL - 07	Warehouse	3,111	42%	7.0	34.6	85.8	0.012
UpCFL	SDG	Upstream CFL - 08	Agriculture	1,217	24%	8.0	39.5	38.3	0.008
UpCFL	SDG	Upstream CFL - 08	Assembly	1,348	11%	8.0	39.5	42.5	0.003
UpCFL	SDG	Upstream CFL - 08	Communications	1,032	24%	8.0	39.5	32.5	0.008
UpCFL	SDG	Upstream CFL - 08	Construction	2,989	11%	8.0	39.5	94.1	0.003
UpCFL	SDG	Upstream CFL - 08	Education - Other	2,812	27%	8.0	39.5	88.6	0.008
UpCFL	SDG	Upstream CFL - 08	Education - Secondary School	1,025	19%	8.0	39.5	32.3	0.006
UpCFL	SDG	Upstream CFL - 08	Health/Medical	2,063	52%	8.0	39.5	65.0	0.016
UpCFL	SDG	Upstream CFL - 08	Lodging	1,106	13%	8.0	39.5	34.8	0.004
UpCFL	SDG	Upstream CFL - 08	Manufacturing - Light Industrial	2,693	55%	8.0	39.5	84.8	0.017
UpCFL	SDG	Upstream CFL - 08	Missing	3,645	76%	8.0	39.5	114.8	0.024
UpCFL	SDG	Upstream CFL - 08	Office - Small	2,551	41%	8.0	39.5	80.4	0.013
UpCFL	SDG	Upstream CFL - 08	Restaurant	3,909	60%	8.0	39.5	123.1	0.019
UpCFL	SDG	Upstream CFL - 08	Retail	3,004	59%	8.0	39.5	94.6	0.019
UpCFL	SDG	Upstream CFL - 08	Sic 20 Food & Kindred Products	2,854	52%	8.0	39.5	89.9	0.016
UpCFL	SDG	Upstream CFL - 08	Unknown	2,559	53%	8.0	39.5	80.6	0.017
UpCFL	SDG	Upstream CFL - 08	Utilities	4,052	59%	8.0	39.5	127.6	0.019
UpCFL	SDG	Upstream CFL - 08	Warehouse	3,111	42%	8.0	39.5	98.0	0.013
UpCFL	SDG	Upstream CFL - 09	Agriculture	1,217	24%	9.0	44.4	43.1	0.009
UpCFL	SDG	Upstream CFL - 09	Assembly	1,348	11%	9.0	44.4	47.8	0.004
UpCFL	SDG	Upstream CFL - 09	Communications	1,032	24%	9.0	44.4	36.6	0.009
UpCFL	SDG	Upstream CFL - 09	Construction	2,989	11%	9.0	44.4	105.9	0.004
UpCFL	SDG	Upstream CFL - 09	Education - Other	2,812	27%	9.0	44.4	99.6	0.010
UpCFL	SDG	Upstream CFL - 09	Education - Secondary School	1,025	19%	9.0	44.4	36.3	0.007
UpCFL	SDG	Upstream CFL - 09	Health/Medical	2,063	52%	9.0	44.4	73.1	0.018
UpCFL	SDG	Upstream CFL - 09	Lodging	1,106	13%	9.0	44.4	39.2	0.005

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 09	Manufacturing - Light Industrial	2,693	55%	9.0	44.4	95.4	0.019
UpCFL	SDG	Upstream CFL - 09	Missing	3,645	76%	9.0	44.4	129.2	0.027
UpCFL	SDG	Upstream CFL - 09	Office - Small	2,551	41%	9.0	44.4	90.4	0.015
UpCFL	SDG	Upstream CFL - 09	Restaurant	3,909	60%	9.0	44.4	138.6	0.021
UpCFL	SDG	Upstream CFL - 09	Retail	3,004	59%	9.0	44.4	106.5	0.021
UpCFL	SDG	Upstream CFL - 09	Sic 20 Food & Kindred Products	2,854	52%	9.0	44.4	101.2	0.019
UpCFL	SDG	Upstream CFL - 09	Unknown	2,559	53%	9.0	44.4	90.7	0.019
UpCFL	SDG	Upstream CFL - 09	Utilities	4,052	59%	9.0	44.4	143.6	0.021
UpCFL	SDG	Upstream CFL - 09	Warehouse	3,111	42%	9.0	44.4	110.3	0.015
UpCFL	SDG	Upstream CFL - 10	Agriculture	1,217	24%	10.0	49.4	47.9	0.010
UpCFL	SDG	Upstream CFL - 10	Assembly	1,348	11%	10.0	49.4	53.1	0.004
UpCFL	SDG	Upstream CFL - 10	Communications	1,032	24%	10.0	49.4	40.6	0.010
UpCFL	SDG	Upstream CFL - 10	Construction	2,989	11%	10.0	49.4	117.7	0.004
UpCFL	SDG	Upstream CFL - 10	Education - Other	2,812	27%	10.0	49.4	110.7	0.011
UpCFL	SDG	Upstream CFL - 10	Education - Secondary School	1,025	19%	10.0	49.4	40.3	0.007
UpCFL	SDG	Upstream CFL - 10	Health/Medical	2,063	52%	10.0	49.4	81.2	0.020
UpCFL	SDG	Upstream CFL - 10	Lodging	1,106	13%	10.0	49.4	43.6	0.005
UpCFL	SDG	Upstream CFL - 10	Manufacturing - Light Industrial	2,693	55%	10.0	49.4	106.1	0.021
UpCFL	SDG	Upstream CFL - 10	Missing	3,645	76%	10.0	49.4	143.6	0.030
UpCFL	SDG	Upstream CFL - 10	Office - Small	2,551	41%	10.0	49.4	100.5	0.016
UpCFL	SDG	Upstream CFL - 10	Restaurant	3,909	60%	10.0	49.4	154.0	0.024
UpCFL	SDG	Upstream CFL - 10	Retail	3,004	59%	10.0	49.4	118.3	0.023
UpCFL	SDG	Upstream CFL - 10	Sic 20 Food & Kindred Products	2,854	52%	10.0	49.4	112.4	0.021
UpCFL	SDG	Upstream CFL - 10	Unknown	2,559	53%	10.0	49.4	100.8	0.021
UpCFL	SDG	Upstream CFL - 10	Utilities	4,052	59%	10.0	49.4	159.6	0.023
UpCFL	SDG	Upstream CFL - 10	Warehouse	3,111	42%	10.0	49.4	122.5	0.017
UpCFL	SDG	Upstream CFL - 11	Agriculture	1,217	24%	11.0	54.3	52.7	0.011
UpCFL	SDG	Upstream CFL - 11	Assembly	1,348	11%	11.0	54.3	58.4	0.005
UpCFL	SDG	Upstream CFL - 11	Communications	1,032	24%	11.0	54.3	44.7	0.011
UpCFL	SDG	Upstream CFL - 11	Construction	2,989	11%	11.0	54.3	129.5	0.005
UpCFL	SDG	Upstream CFL - 11	Education - Other	2,812	27%	11.0	54.3	121.8	0.012
UpCFL	SDG	Upstream CFL - 11	Education - Secondary School	1,025	19%	11.0	54.3	44.4	0.008
UpCFL	SDG	Upstream CFL - 11	Health/Medical	2,063	52%	11.0	54.3	89.4	0.022
UpCFL	SDG	Upstream CFL - 11	Lodging	1,106	13%	11.0	54.3	47.9	0.006
UpCFL	SDG	Upstream CFL - 11	Manufacturing - Light Industrial	2,693	55%	11.0	54.3	116.7	0.024
UpCFL	SDG	Upstream CFL - 11	Missing	3,645	76%	11.0	54.3	157.9	0.033
UpCFL	SDG	Upstream CFL - 11	Office - Small	2,551	41%	11.0	54.3	110.5	0.018
UpCFL	SDG	Upstream CFL - 11	Restaurant	3,909	60%	11.0	54.3	169.4	0.026
UpCFL	SDG	Upstream CFL - 11	Retail	3,004	59%	11.0	54.3	130.1	0.026
UpCFL	SDG	Upstream CFL - 11	Sic 20 Food & Kindred Products	2,854	52%	11.0	54.3	123.6	0.023
UpCFL	SDG	Upstream CFL - 11	Unknown	2,559	53%	11.0	54.3	110.9	0.023
UpCFL	SDG	Upstream CFL - 11	Utilities	4,052	59%	11.0	54.3	175.5	0.026
UpCFL	SDG	Upstream CFL - 11	Warehouse	3,111	42%	11.0	54.3	134.8	0.018
UpCFL	SDG	Upstream CFL - 12	Agriculture	1,217	24%	12.0	56.0	53.5	0.011
UpCFL	SDG	Upstream CFL - 12	Assembly	1,348	11%	12.0	56.0	59.3	0.005
UpCFL	SDG	Upstream CFL - 12	Communications	1,032	24%	12.0	56.0	45.4	0.011
UpCFL	SDG	Upstream CFL - 12	Construction	2,989	11%	12.0	56.0	131.5	0.005

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 12	Education - Other	2,812	27%	12.0	56.0	123.7	0.012
UpCFL	SDG	Upstream CFL - 12	Education - Secondary School	1,025	19%	12.0	56.0	45.1	0.008
UpCFL	SDG	Upstream CFL - 12	Health/Medical	2,063	52%	12.0	56.0	90.8	0.023
UpCFL	SDG	Upstream CFL - 12	Lodging	1,106	13%	12.0	56.0	48.7	0.006
UpCFL	SDG	Upstream CFL - 12	Manufacturing - Light Industrial	2,693	55%	12.0	56.0	118.5	0.024
UpCFL	SDG	Upstream CFL - 12	Missing	3,645	76%	12.0	56.0	160.4	0.033
UpCFL	SDG	Upstream CFL - 12	Office - Small	2,551	41%	12.0	56.0	112.2	0.018
UpCFL	SDG	Upstream CFL - 12	Restaurant	3,909	60%	12.0	56.0	172.0	0.027
UpCFL	SDG	Upstream CFL - 12	Retail	3,004	59%	12.0	56.0	132.2	0.026
UpCFL	SDG	Upstream CFL - 12	Sic 20 Food & Kindred Products	2,854	52%	12.0	56.0	125.6	0.023
UpCFL	SDG	Upstream CFL - 12	Unknown	2,559	53%	12.0	56.0	112.6	0.023
UpCFL	SDG	Upstream CFL - 12	Utilities	4,052	59%	12.0	56.0	178.3	0.026
UpCFL	SDG	Upstream CFL - 12	Warehouse	3,111	42%	12.0	56.0	136.9	0.019
UpCFL	SDG	Upstream CFL - 13	Agriculture	1,217	24%	13.0	57.6	54.2	0.011
UpCFL	SDG	Upstream CFL - 13	Assembly	1,348	11%	13.0	57.6	60.1	0.005
UpCFL	SDG	Upstream CFL - 13	Communications	1,032	24%	13.0	57.6	46.0	0.011
UpCFL	SDG	Upstream CFL - 13	Construction	2,989	11%	13.0	57.6	133.1	0.005
UpCFL	SDG	Upstream CFL - 13	Education - Other	2,812	27%	13.0	57.6	125.3	0.012
UpCFL	SDG	Upstream CFL - 13	Education - Secondary School	1,025	19%	13.0	57.6	45.6	0.008
UpCFL	SDG	Upstream CFL - 13	Health/Medical	2,063	52%	13.0	57.6	91.9	0.023
UpCFL	SDG	Upstream CFL - 13	Lodging	1,106	13%	13.0	57.6	49.3	0.006
UpCFL	SDG	Upstream CFL - 13	Manufacturing - Light Industrial	2,693	55%	13.0	57.6	120.0	0.024
UpCFL	SDG	Upstream CFL - 13	Missing	3,645	76%	13.0	57.6	162.4	0.034
UpCFL	SDG	Upstream CFL - 13	Office - Small	2,551	41%	13.0	57.6	113.7	0.018
UpCFL	SDG	Upstream CFL - 13	Restaurant	3,909	60%	13.0	57.6	174.2	0.027
UpCFL	SDG	Upstream CFL - 13	Retail	3,004	59%	13.0	57.6	133.8	0.027
UpCFL	SDG	Upstream CFL - 13	Sic 20 Food & Kindred Products	2,854	52%	13.0	57.6	127.2	0.023
UpCFL	SDG	Upstream CFL - 13	Unknown	2,559	53%	13.0	57.6	114.0	0.024
UpCFL	SDG	Upstream CFL - 13	Utilities	4,052	59%	13.0	57.6	180.5	0.026
UpCFL	SDG	Upstream CFL - 13	Warehouse	3,111	42%	13.0	57.6	138.6	0.019
UpCFL	SDG	Upstream CFL - 14	Agriculture	1,217	24%	14.0	59.0	54.7	0.011
UpCFL	SDG	Upstream CFL - 14	Assembly	1,348	11%	14.0	59.0	60.6	0.005
UpCFL	SDG	Upstream CFL - 14	Communications	1,032	24%	14.0	59.0	46.4	0.011
UpCFL	SDG	Upstream CFL - 14	Construction	2,989	11%	14.0	59.0	134.5	0.005
UpCFL	SDG	Upstream CFL - 14	Education - Other	2,812	27%	14.0	59.0	126.5	0.012
UpCFL	SDG	Upstream CFL - 14	Education - Secondary School	1,025	19%	14.0	59.0	46.1	0.009
UpCFL	SDG	Upstream CFL - 14	Health/Medical	2,063	52%	14.0	59.0	92.8	0.023
UpCFL	SDG	Upstream CFL - 14	Lodging	1,106	13%	14.0	59.0	49.8	0.006
UpCFL	SDG	Upstream CFL - 14	Manufacturing - Light Industrial	2,693	55%	14.0	59.0	121.2	0.025
UpCFL	SDG	Upstream CFL - 14	Missing	3,645	76%	14.0	59.0	164.0	0.034
UpCFL	SDG	Upstream CFL - 14	Office - Small	2,551	41%	14.0	59.0	114.8	0.019
UpCFL	SDG	Upstream CFL - 14	Restaurant	3,909	60%	14.0	59.0	175.9	0.027
UpCFL	SDG	Upstream CFL - 14	Retail	3,004	59%	14.0	59.0	135.1	0.027
UpCFL	SDG	Upstream CFL - 14	Sic 20 Food & Kindred Products	2,854	52%	14.0	59.0	128.4	0.024
UpCFL	SDG	Upstream CFL - 14	Unknown	2,559	53%	14.0	59.0	115.1	0.024
UpCFL	SDG	Upstream CFL - 14	Utilities	4,052	59%	14.0	59.0	182.3	0.027
UpCFL	SDG	Upstream CFL - 14	Warehouse	3,111	42%	14.0	59.0	140.0	0.019

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 15	Agriculture	1,217	24%	15.0	60.3	55.1	0.011
UpCFL	SDG	Upstream CFL - 15	Assembly	1,348	11%	15.0	60.3	61.1	0.005
UpCFL	SDG	Upstream CFL - 15	Communications	1,032	24%	15.0	60.3	46.8	0.011
UpCFL	SDG	Upstream CFL - 15	Construction	2,989	11%	15.0	60.3	135.4	0.005
UpCFL	SDG	Upstream CFL - 15	Education - Other	2,812	27%	15.0	60.3	127.4	0.012
UpCFL	SDG	Upstream CFL - 15	Education - Secondary School	1,025	19%	15.0	60.3	46.4	0.009
UpCFL	SDG	Upstream CFL - 15	Health/Medical	2,063	52%	15.0	60.3	93.5	0.023
UpCFL	SDG	Upstream CFL - 15	Lodging	1,106	13%	15.0	60.3	50.1	0.006
UpCFL	SDG	Upstream CFL - 15	Manufacturing - Light Industrial	2,693	55%	15.0	60.3	122.1	0.025
UpCFL	SDG	Upstream CFL - 15	Missing	3,645	76%	15.0	60.3	165.2	0.034
UpCFL	SDG	Upstream CFL - 15	Office - Small	2,551	41%	15.0	60.3	115.6	0.019
UpCFL	SDG	Upstream CFL - 15	Restaurant	3,909	60%	15.0	60.3	177.2	0.027
UpCFL	SDG	Upstream CFL - 15	Retail	3,004	59%	15.0	60.3	136.1	0.027
UpCFL	SDG	Upstream CFL - 15	Sic 20 Food & Kindred Products	2,854	52%	15.0	60.3	129.4	0.024
UpCFL	SDG	Upstream CFL - 15	Unknown	2,559	53%	15.0	60.3	116.0	0.024
UpCFL	SDG	Upstream CFL - 15	Utilities	4,052	59%	15.0	60.3	183.6	0.027
UpCFL	SDG	Upstream CFL - 15	Warehouse	3,111	42%	15.0	60.3	141.0	0.019
UpCFL	SDG	Upstream CFL - 16	Agriculture	1,217	24%	16.0	61.6	55.4	0.011
UpCFL	SDG	Upstream CFL - 16	Assembly	1,348	11%	16.0	61.6	61.4	0.005
UpCFL	SDG	Upstream CFL - 16	Communications	1,032	24%	16.0	61.6	47.0	0.011
UpCFL	SDG	Upstream CFL - 16	Construction	2,989	11%	16.0	61.6	136.2	0.005
UpCFL	SDG	Upstream CFL - 16	Education - Other	2,812	27%	16.0	61.6	128.1	0.012
UpCFL	SDG	Upstream CFL - 16	Education - Secondary School	1,025	19%	16.0	61.6	46.7	0.009
UpCFL	SDG	Upstream CFL - 16	Health/Medical	2,063	52%	16.0	61.6	94.0	0.024
UpCFL	SDG	Upstream CFL - 16	Lodging	1,106	13%	16.0	61.6	50.4	0.006
UpCFL	SDG	Upstream CFL - 16	Manufacturing - Light Industrial	2,693	55%	16.0	61.6	122.7	0.025
UpCFL	SDG	Upstream CFL - 16	Missing	3,645	76%	16.0	61.6	166.1	0.035
UpCFL	SDG	Upstream CFL - 16	Office - Small	2,551	41%	16.0	61.6	116.3	0.019
UpCFL	SDG	Upstream CFL - 16	Restaurant	3,909	60%	16.0	61.6	178.2	0.028
UpCFL	SDG	Upstream CFL - 16	Retail	3,004	59%	16.0	61.6	136.9	0.027
UpCFL	SDG	Upstream CFL - 16	Sic 20 Food & Kindred Products	2,854	52%	16.0	61.6	130.1	0.024
UpCFL	SDG	Upstream CFL - 16	Unknown	2,559	53%	16.0	61.6	116.6	0.024
UpCFL	SDG	Upstream CFL - 16	Utilities	4,052	59%	16.0	61.6	184.6	0.027
UpCFL	SDG	Upstream CFL - 16	Warehouse	3,111	42%	16.0	61.6	141.8	0.019
UpCFL	SDG	Upstream CFL - 17	Agriculture	1,217	24%	17.0	62.8	55.7	0.011
UpCFL	SDG	Upstream CFL - 17	Assembly	1,348	11%	17.0	62.8	61.7	0.005
UpCFL	SDG	Upstream CFL - 17	Communications	1,032	24%	17.0	62.8	47.2	0.011
UpCFL	SDG	Upstream CFL - 17	Construction	2,989	11%	17.0	62.8	136.7	0.005
UpCFL	SDG	Upstream CFL - 17	Education - Other	2,812	27%	17.0	62.8	128.6	0.012
UpCFL	SDG	Upstream CFL - 17	Education - Secondary School	1,025	19%	17.0	62.8	46.9	0.009
UpCFL	SDG	Upstream CFL - 17	Health/Medical	2,063	52%	17.0	62.8	94.4	0.024
UpCFL	SDG	Upstream CFL - 17	Lodging	1,106	13%	17.0	62.8	50.6	0.006
UpCFL	SDG	Upstream CFL - 17	Manufacturing - Light Industrial	2,693	55%	17.0	62.8	123.2	0.025
UpCFL	SDG	Upstream CFL - 17	Missing	3,645	76%	17.0	62.8	166.8	0.035
UpCFL	SDG	Upstream CFL - 17	Office - Small	2,551	41%	17.0	62.8	116.7	0.019
UpCFL	SDG	Upstream CFL - 17	Restaurant	3,909	60%	17.0	62.8	178.9	0.028
UpCFL	SDG	Upstream CFL - 17	Retail	3,004	59%	17.0	62.8	137.4	0.027

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 17	Sic 20 Food & Kindred Products	2,854	52%	17.0	62.8	130.6	0.024
UpCFL	SDG	Upstream CFL - 17	Unknown	2,559	53%	17.0	62.8	117.1	0.024
UpCFL	SDG	Upstream CFL - 17	Utilities	4,052	59%	17.0	62.8	185.4	0.027
UpCFL	SDG	Upstream CFL - 17	Warehouse	3,111	42%	17.0	62.8	142.3	0.019
UpCFL	SDG	Upstream CFL - 18	Agriculture	1,217	24%	18.0	63.9	55.8	0.011
UpCFL	SDG	Upstream CFL - 18	Assembly	1,348	11%	18.0	63.9	61.8	0.005
UpCFL	SDG	Upstream CFL - 18	Communications	1,032	24%	18.0	63.9	47.3	0.011
UpCFL	SDG	Upstream CFL - 18	Construction	2,989	11%	18.0	63.9	137.1	0.005
UpCFL	SDG	Upstream CFL - 18	Education - Other	2,812	27%	18.0	63.9	128.9	0.012
UpCFL	SDG	Upstream CFL - 18	Education - Secondary School	1,025	19%	18.0	63.9	47.0	0.009
UpCFL	SDG	Upstream CFL - 18	Health/Medical	2,063	52%	18.0	63.9	94.6	0.024
UpCFL	SDG	Upstream CFL - 18	Lodging	1,106	13%	18.0	63.9	50.7	0.006
UpCFL	SDG	Upstream CFL - 18	Manufacturing - Light Industrial	2,693	55%	18.0	63.9	123.5	0.025
UpCFL	SDG	Upstream CFL - 18	Missing	3,645	76%	18.0	63.9	167.2	0.035
UpCFL	SDG	Upstream CFL - 18	Office - Small	2,551	41%	18.0	63.9	117.0	0.019
UpCFL	SDG	Upstream CFL - 18	Restaurant	3,909	60%	18.0	63.9	179.3	0.028
UpCFL	SDG	Upstream CFL - 18	Retail	3,004	59%	18.0	63.9	137.8	0.027
UpCFL	SDG	Upstream CFL - 18	Sic 20 Food & Kindred Products	2,854	52%	18.0	63.9	130.9	0.024
UpCFL	SDG	Upstream CFL - 18	Unknown	2,559	53%	18.0	63.9	117.4	0.024
UpCFL	SDG	Upstream CFL - 18	Utilities	4,052	59%	18.0	63.9	185.8	0.027
UpCFL	SDG	Upstream CFL - 18	Warehouse	3,111	42%	18.0	63.9	142.7	0.019
UpCFL	SDG	Upstream CFL - 19	Agriculture	1,217	24%	19.0	64.9	55.8	0.011
UpCFL	SDG	Upstream CFL - 19	Assembly	1,348	11%	19.0	64.9	61.9	0.005
UpCFL	SDG	Upstream CFL - 19	Communications	1,032	24%	19.0	64.9	47.4	0.011
UpCFL	SDG	Upstream CFL - 19	Construction	2,989	11%	19.0	64.9	137.2	0.005
UpCFL	SDG	Upstream CFL - 19	Education - Other	2,812	27%	19.0	64.9	129.1	0.012
UpCFL	SDG	Upstream CFL - 19	Education - Secondary School	1,025	19%	19.0	64.9	47.0	0.009
UpCFL	SDG	Upstream CFL - 19	Health/Medical	2,063	52%	19.0	64.9	94.7	0.024
UpCFL	SDG	Upstream CFL - 19	Lodging	1,106	13%	19.0	64.9	50.8	0.006
UpCFL	SDG	Upstream CFL - 19	Manufacturing - Light Industrial	2,693	55%	19.0	64.9	123.6	0.025
UpCFL	SDG	Upstream CFL - 19	Missing	3,645	76%	19.0	64.9	167.3	0.035
UpCFL	SDG	Upstream CFL - 19	Office - Small	2,551	41%	19.0	64.9	117.1	0.019
UpCFL	SDG	Upstream CFL - 19	Restaurant	3,909	60%	19.0	64.9	179.4	0.028
UpCFL	SDG	Upstream CFL - 19	Retail	3,004	59%	19.0	64.9	137.9	0.027
UpCFL	SDG	Upstream CFL - 19	Sic 20 Food & Kindred Products	2,854	52%	19.0	64.9	131.0	0.024
UpCFL	SDG	Upstream CFL - 19	Unknown	2,559	53%	19.0	64.9	117.5	0.024
UpCFL	SDG	Upstream CFL - 19	Utilities	4,052	59%	19.0	64.9	186.0	0.027
UpCFL	SDG	Upstream CFL - 19	Warehouse	3,111	42%	19.0	64.9	142.8	0.019
UpCFL	SDG	Upstream CFL - 20	Agriculture	1,217	24%	20.0	65.9	55.8	0.011
UpCFL	SDG	Upstream CFL - 20	Assembly	1,348	11%	20.0	65.9	61.9	0.005
UpCFL	SDG	Upstream CFL - 20	Communications	1,032	24%	20.0	65.9	47.4	0.011
UpCFL	SDG	Upstream CFL - 20	Construction	2,989	11%	20.0	65.9	137.2	0.005
UpCFL	SDG	Upstream CFL - 20	Education - Other	2,812	27%	20.0	65.9	129.1	0.012
UpCFL	SDG	Upstream CFL - 20	Education - Secondary School	1,025	19%	20.0	65.9	47.0	0.009
UpCFL	SDG	Upstream CFL - 20	Health/Medical	2,063	52%	20.0	65.9	94.7	0.024
UpCFL	SDG	Upstream CFL - 20	Lodging	1,106	13%	20.0	65.9	50.8	0.006
UpCFL	SDG	Upstream CFL - 20	Manufacturing - Light Industrial	2,693	55%	20.0	65.9	123.6	0.025



HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 20	Missing	3,645	76%	20.0	65.9	167.3	0.035
UpCFL	SDG	Upstream CFL - 20	Office - Small	2,551	41%	20.0	65.9	117.1	0.019
UpCFL	SDG	Upstream CFL - 20	Restaurant	3,909	60%	20.0	65.9	179.4	0.028
UpCFL	SDG	Upstream CFL - 20	Retail	3,004	59%	20.0	65.9	137.9	0.027
UpCFL	SDG	Upstream CFL - 20	Sic 20 Food & Kindred Products	2,854	52%	20.0	65.9	131.0	0.024
UpCFL	SDG	Upstream CFL - 20	Unknown	2,559	53%	20.0	65.9	117.5	0.024
UpCFL	SDG	Upstream CFL - 20	Utilities	4,052	59%	20.0	65.9	186.0	0.027
UpCFL	SDG	Upstream CFL - 20	Warehouse	3,111	42%	20.0	65.9	142.8	0.019
UpCFL	SDG	Upstream CFL - 21	Agriculture	1,217	24%	21.0	66.8	55.8	0.011
UpCFL	SDG	Upstream CFL - 21	Assembly	1,348	11%	21.0	66.8	61.8	0.005
UpCFL	SDG	Upstream CFL - 21	Communications	1,032	24%	21.0	66.8	47.3	0.011
UpCFL	SDG	Upstream CFL - 21	Construction	2,989	11%	21.0	66.8	137.0	0.005
UpCFL	SDG	Upstream CFL - 21	Education - Other	2,812	27%	21.0	66.8	128.9	0.012
UpCFL	SDG	Upstream CFL - 21	Education - Secondary School	1,025	19%	21.0	66.8	47.0	0.009
UpCFL	SDG	Upstream CFL - 21	Health/Medical	2,063	52%	21.0	66.8	94.6	0.024
UpCFL	SDG	Upstream CFL - 21	Lodging	1,106	13%	21.0	66.8	50.7	0.006
UpCFL	SDG	Upstream CFL - 21	Manufacturing - Light Industrial	2,693	55%	21.0	66.8	123.5	0.025
UpCFL	SDG	Upstream CFL - 21	Missing	3,645	76%	21.0	66.8	167.1	0.035
UpCFL	SDG	Upstream CFL - 21	Office - Small	2,551	41%	21.0	66.8	116.9	0.019
UpCFL	SDG	Upstream CFL - 21	Restaurant	3,909	60%	21.0	66.8	179.2	0.028
UpCFL	SDG	Upstream CFL - 21	Retail	3,004	59%	21.0	66.8	137.7	0.027
UpCFL	SDG	Upstream CFL - 21	Sic 20 Food & Kindred Products	2,854	52%	21.0	66.8	130.8	0.024
UpCFL	SDG	Upstream CFL - 21	Unknown	2,559	53%	21.0	66.8	117.3	0.024
UpCFL	SDG	Upstream CFL - 21	Utilities	4,052	59%	21.0	66.8	185.7	0.027
UpCFL	SDG	Upstream CFL - 21	Warehouse	3,111	42%	21.0	66.8	142.6	0.019
UpCFL	SDG	Upstream CFL - 22	Agriculture	1,217	24%	22.0	67.7	55.6	0.011
UpCFL	SDG	Upstream CFL - 22	Assembly	1,348	11%	22.0	67.7	61.7	0.005
UpCFL	SDG	Upstream CFL - 22	Communications	1,032	24%	22.0	67.7	47.2	0.011
UpCFL	SDG	Upstream CFL - 22	Construction	2,989	11%	22.0	67.7	136.7	0.005
UpCFL	SDG	Upstream CFL - 22	Education - Other	2,812	27%	22.0	67.7	128.6	0.012
UpCFL	SDG	Upstream CFL - 22	Education - Secondary School	1,025	19%	22.0	67.7	46.9	0.009
UpCFL	SDG	Upstream CFL - 22	Health/Medical	2,063	52%	22.0	67.7	94.3	0.024
UpCFL	SDG	Upstream CFL - 22	Lodging	1,106	13%	22.0	67.7	50.6	0.006
UpCFL	SDG	Upstream CFL - 22	Manufacturing - Light Industrial	2,693	55%	22.0	67.7	123.2	0.025
UpCFL	SDG	Upstream CFL - 22	Missing	3,645	76%	22.0	67.7	166.7	0.035
UpCFL	SDG	Upstream CFL - 22	Office - Small	2,551	41%	22.0	67.7	116.7	0.019
UpCFL	SDG	Upstream CFL - 22	Restaurant	3,909	60%	22.0	67.7	178.8	0.028
UpCFL	SDG	Upstream CFL - 22	Retail	3,004	59%	22.0	67.7	137.4	0.027
UpCFL	SDG	Upstream CFL - 22	Sic 20 Food & Kindred Products	2,854	52%	22.0	67.7	130.6	0.024
UpCFL	SDG	Upstream CFL - 22	Unknown	2,559	53%	22.0	67.7	117.0	0.024
UpCFL	SDG	Upstream CFL - 22	Utilities	4,052	59%	22.0	67.7	185.3	0.027
UpCFL	SDG	Upstream CFL - 22	Warehouse	3,111	42%	22.0	67.7	142.3	0.019
UpCFL	SDG	Upstream CFL - 23	Agriculture	1,217	24%	23.0	68.6	55.5	0.011
UpCFL	SDG	Upstream CFL - 23	Assembly	1,348	11%	23.0	68.6	61.5	0.005
UpCFL	SDG	Upstream CFL - 23	Communications	1,032	24%	23.0	68.6	47.1	0.011
UpCFL	SDG	Upstream CFL - 23	Construction	2,989	11%	23.0	68.6	136.3	0.005
UpCFL	SDG	Upstream CFL - 23	Education - Other	2,812	27%	23.0	68.6	128.2	0.012

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 23	Education - Secondary School	1,025	19%	23.0	68.6	46.7	0.009
UpCFL	SDG	Upstream CFL - 23	Health/Medical	2,063	52%	23.0	68.6	94.1	0.024
UpCFL	SDG	Upstream CFL - 23	Lodging	1,106	13%	23.0	68.6	50.4	0.006
UpCFL	SDG	Upstream CFL - 23	Manufacturing - Light Industrial	2,693	55%	23.0	68.6	122.8	0.025
UpCFL	SDG	Upstream CFL - 23	Missing	3,645	76%	23.0	68.6	166.2	0.035
UpCFL	SDG	Upstream CFL - 23	Office - Small	2,551	41%	23.0	68.6	116.3	0.019
UpCFL	SDG	Upstream CFL - 23	Restaurant	3,909	60%	23.0	68.6	178.3	0.028
UpCFL	SDG	Upstream CFL - 23	Retail	3,004	59%	23.0	68.6	137.0	0.027
UpCFL	SDG	Upstream CFL - 23	Sic 20 Food & Kindred Products	2,854	52%	23.0	68.6	130.2	0.024
UpCFL	SDG	Upstream CFL - 23	Unknown	2,559	53%	23.0	68.6	116.7	0.024
UpCFL	SDG	Upstream CFL - 23	Utilities	4,052	59%	23.0	68.6	184.8	0.027
UpCFL	SDG	Upstream CFL - 23	Warehouse	3,111	42%	23.0	68.6	141.9	0.019
UpCFL	SDG	Upstream CFL - 24	Agriculture	1,217	24%	24.0	69.4	55.3	0.011
UpCFL	SDG	Upstream CFL - 24	Assembly	1,348	11%	24.0	69.4	61.2	0.005
UpCFL	SDG	Upstream CFL - 24	Communications	1,032	24%	24.0	69.4	46.9	0.011
UpCFL	SDG	Upstream CFL - 24	Construction	2,989	11%	24.0	69.4	135.8	0.005
UpCFL	SDG	Upstream CFL - 24	Education - Other	2,812	27%	24.0	69.4	127.7	0.012
UpCFL	SDG	Upstream CFL - 24	Education - Secondary School	1,025	19%	24.0	69.4	46.5	0.009
UpCFL	SDG	Upstream CFL - 24	Health/Medical	2,063	52%	24.0	69.4	93.7	0.023
UpCFL	SDG	Upstream CFL - 24	Lodging	1,106	13%	24.0	69.4	50.2	0.006
UpCFL	SDG	Upstream CFL - 24	Manufacturing - Light Industrial	2,693	55%	24.0	69.4	122.3	0.025
UpCFL	SDG	Upstream CFL - 24	Missing	3,645	76%	24.0	69.4	165.6	0.035
UpCFL	SDG	Upstream CFL - 24	Office - Small	2,551	41%	24.0	69.4	115.9	0.019
UpCFL	SDG	Upstream CFL - 24	Restaurant	3,909	60%	24.0	69.4	177.6	0.027
UpCFL	SDG	Upstream CFL - 24	Retail	3,004	59%	24.0	69.4	136.5	0.027
UpCFL	SDG	Upstream CFL - 24	Sic 20 Food & Kindred Products	2,854	52%	24.0	69.4	129.7	0.024
UpCFL	SDG	Upstream CFL - 24	Unknown	2,559	53%	24.0	69.4	116.3	0.024
UpCFL	SDG	Upstream CFL - 24	Utilities	4,052	59%	24.0	69.4	184.1	0.027
UpCFL	SDG	Upstream CFL - 24	Warehouse	3,111	42%	24.0	69.4	141.3	0.019
UpCFL	SDG	Upstream CFL - 25	Agriculture	1,217	24%	25.0	70.2	55.0	0.011
UpCFL	SDG	Upstream CFL - 25	Assembly	1,348	11%	25.0	70.2	61.0	0.005
UpCFL	SDG	Upstream CFL - 25	Communications	1,032	24%	25.0	70.2	46.7	0.011
UpCFL	SDG	Upstream CFL - 25	Construction	2,989	11%	25.0	70.2	135.1	0.005
UpCFL	SDG	Upstream CFL - 25	Education - Other	2,812	27%	25.0	70.2	127.1	0.012
UpCFL	SDG	Upstream CFL - 25	Education - Secondary School	1,025	19%	25.0	70.2	46.3	0.009
UpCFL	SDG	Upstream CFL - 25	Health/Medical	2,063	52%	25.0	70.2	93.3	0.023
UpCFL	SDG	Upstream CFL - 25	Lodging	1,106	13%	25.0	70.2	50.0	0.006
UpCFL	SDG	Upstream CFL - 25	Manufacturing - Light Industrial	2,693	55%	25.0	70.2	121.8	0.025
UpCFL	SDG	Upstream CFL - 25	Missing	3,645	76%	25.0	70.2	164.8	0.034
UpCFL	SDG	Upstream CFL - 25	Office - Small	2,551	41%	25.0	70.2	115.4	0.019
UpCFL	SDG	Upstream CFL - 25	Restaurant	3,909	60%	25.0	70.2	176.8	0.027
UpCFL	SDG	Upstream CFL - 25	Retail	3,004	59%	25.0	70.2	135.8	0.027
UpCFL	SDG	Upstream CFL - 25	Sic 20 Food & Kindred Products	2,854	52%	25.0	70.2	129.1	0.024
UpCFL	SDG	Upstream CFL - 25	Unknown	2,559	53%	25.0	70.2	115.7	0.024
UpCFL	SDG	Upstream CFL - 25	Utilities	4,052	59%	25.0	70.2	183.2	0.027
UpCFL	SDG	Upstream CFL - 25	Warehouse	3,111	42%	25.0	70.2	140.7	0.019
UpCFL	SDG	Upstream CFL - 26	Agriculture	1,217	24%	26.0	71.0	54.7	0.011

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 26	Assembly	1,348	11%	26.0	71.0	60.6	0.005
UpCFL	SDG	Upstream CFL - 26	Communications	1,032	24%	26.0	71.0	46.4	0.011
UpCFL	SDG	Upstream CFL - 26	Construction	2,989	11%	26.0	71.0	134.4	0.005
UpCFL	SDG	Upstream CFL - 26	Education - Other	2,812	27%	26.0	71.0	126.5	0.012
UpCFL	SDG	Upstream CFL - 26	Education - Secondary School	1,025	19%	26.0	71.0	46.1	0.009
UpCFL	SDG	Upstream CFL - 26	Health/Medical	2,063	52%	26.0	71.0	92.8	0.023
UpCFL	SDG	Upstream CFL - 26	Lodging	1,106	13%	26.0	71.0	49.7	0.006
UpCFL	SDG	Upstream CFL - 26	Manufacturing - Light Industrial	2,693	55%	26.0	71.0	121.1	0.025
UpCFL	SDG	Upstream CFL - 26	Missing	3,645	76%	26.0	71.0	164.0	0.034
UpCFL	SDG	Upstream CFL - 26	Office - Small	2,551	41%	26.0	71.0	114.7	0.019
UpCFL	SDG	Upstream CFL - 26	Restaurant	3,909	60%	26.0	71.0	175.8	0.027
UpCFL	SDG	Upstream CFL - 26	Retail	3,004	59%	26.0	71.0	135.1	0.027
UpCFL	SDG	Upstream CFL - 26	Sic 20 Food & Kindred Products	2,854	52%	26.0	71.0	128.4	0.024
UpCFL	SDG	Upstream CFL - 26	Unknown	2,559	53%	26.0	71.0	115.1	0.024
UpCFL	SDG	Upstream CFL - 26	Utilities	4,052	59%	26.0	71.0	182.2	0.027
UpCFL	SDG	Upstream CFL - 26	Warehouse	3,111	42%	26.0	71.0	139.9	0.019
UpCFL	SDG	Upstream CFL - 27	Agriculture	1,217	24%	27.0	71.7	54.4	0.011
UpCFL	SDG	Upstream CFL - 27	Assembly	1,348	11%	27.0	71.7	60.3	0.005
UpCFL	SDG	Upstream CFL - 27	Communications	1,032	24%	27.0	71.7	46.1	0.011
UpCFL	SDG	Upstream CFL - 27	Construction	2,989	11%	27.0	71.7	133.6	0.005
UpCFL	SDG	Upstream CFL - 27	Education - Other	2,812	27%	27.0	71.7	125.7	0.012
UpCFL	SDG	Upstream CFL - 27	Education - Secondary School	1,025	19%	27.0	71.7	45.8	0.008
UpCFL	SDG	Upstream CFL - 27	Health/Medical	2,063	52%	27.0	71.7	92.2	0.023
UpCFL	SDG	Upstream CFL - 27	Lodging	1,106	13%	27.0	71.7	49.4	0.006
UpCFL	SDG	Upstream CFL - 27	Manufacturing - Light Industrial	2,693	55%	27.0	71.7	120.4	0.024
UpCFL	SDG	Upstream CFL - 27	Missing	3,645	76%	27.0	71.7	163.0	0.034
UpCFL	SDG	Upstream CFL - 27	Office - Small	2,551	41%	27.0	71.7	114.1	0.018
UpCFL	SDG	Upstream CFL - 27	Restaurant	3,909	60%	27.0	71.7	174.8	0.027
UpCFL	SDG	Upstream CFL - 27	Retail	3,004	59%	27.0	71.7	134.3	0.027
UpCFL	SDG	Upstream CFL - 27	Sic 20 Food & Kindred Products	2,854	52%	27.0	71.7	127.6	0.023
UpCFL	SDG	Upstream CFL - 27	Unknown	2,559	53%	27.0	71.7	114.4	0.024
UpCFL	SDG	Upstream CFL - 27	Utilities	4,052	59%	27.0	71.7	181.1	0.026
UpCFL	SDG	Upstream CFL - 27	Warehouse	3,111	42%	27.0	71.7	139.1	0.019
UpCFL	SDG	Upstream CFL - 28	Agriculture	1,217	24%	28.0	74.4	56.4	0.011
UpCFL	SDG	Upstream CFL - 28	Assembly	1,348	11%	28.0	74.4	62.5	0.005
UpCFL	SDG	Upstream CFL - 28	Communications	1,032	24%	28.0	74.4	47.8	0.011
UpCFL	SDG	Upstream CFL - 28	Construction	2,989	11%	28.0	74.4	138.6	0.005
UpCFL	SDG	Upstream CFL - 28	Education - Other	2,812	27%	28.0	74.4	130.3	0.012
UpCFL	SDG	Upstream CFL - 28	Education - Secondary School	1,025	19%	28.0	74.4	47.5	0.009
UpCFL	SDG	Upstream CFL - 28	Health/Medical	2,063	52%	28.0	74.4	95.6	0.024
UpCFL	SDG	Upstream CFL - 28	Lodging	1,106	13%	28.0	74.4	51.3	0.006
UpCFL	SDG	Upstream CFL - 28	Manufacturing - Light Industrial	2,693	55%	28.0	74.4	124.9	0.025
UpCFL	SDG	Upstream CFL - 28	Missing	3,645	76%	28.0	74.4	169.0	0.035
UpCFL	SDG	Upstream CFL - 28	Office - Small	2,551	41%	28.0	74.4	118.3	0.019
UpCFL	SDG	Upstream CFL - 28	Restaurant	3,909	60%	28.0	74.4	181.2	0.028
UpCFL	SDG	Upstream CFL - 28	Retail	3,004	59%	28.0	74.4	139.3	0.028
UpCFL	SDG	Upstream CFL - 28	Sic 20 Food & Kindred Products	2,854	52%	28.0	74.4	132.3	0.024

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 28	Unknown	2,559	53%	28.0	74.4	118.6	0.025
UpCFL	SDG	Upstream CFL - 28	Utilities	4,052	59%	28.0	74.4	187.8	0.027
UpCFL	SDG	Upstream CFL - 28	Warehouse	3,111	42%	28.0	74.4	144.2	0.020
UpCFL	SDG	Upstream CFL - 29	Agriculture	1,217	24%	29.0	77.0	58.4	0.012
UpCFL	SDG	Upstream CFL - 29	Assembly	1,348	11%	29.0	77.0	64.7	0.005
UpCFL	SDG	Upstream CFL - 29	Communications	1,032	24%	29.0	77.0	49.5	0.012
UpCFL	SDG	Upstream CFL - 29	Construction	2,989	11%	29.0	77.0	143.5	0.005
UpCFL	SDG	Upstream CFL - 29	Education - Other	2,812	27%	29.0	77.0	135.0	0.013
UpCFL	SDG	Upstream CFL - 29	Education - Secondary School	1,025	19%	29.0	77.0	49.2	0.009
UpCFL	SDG	Upstream CFL - 29	Health/Medical	2,063	52%	29.0	77.0	99.1	0.025
UpCFL	SDG	Upstream CFL - 29	Lodging	1,106	13%	29.0	77.0	53.1	0.006
UpCFL	SDG	Upstream CFL - 29	Manufacturing - Light Industrial	2,693	55%	29.0	77.0	129.3	0.026
UpCFL	SDG	Upstream CFL - 29	Missing	3,645	76%	29.0	77.0	175.1	0.037
UpCFL	SDG	Upstream CFL - 29	Office - Small	2,551	41%	29.0	77.0	122.5	0.020
UpCFL	SDG	Upstream CFL - 29	Restaurant	3,909	60%	29.0	77.0	187.7	0.029
UpCFL	SDG	Upstream CFL - 29	Retail	3,004	59%	29.0	77.0	144.2	0.029
UpCFL	SDG	Upstream CFL - 29	Sic 20 Food & Kindred Products	2,854	52%	29.0	77.0	137.1	0.025
UpCFL	SDG	Upstream CFL - 29	Unknown	2,559	53%	29.0	77.0	122.9	0.025
UpCFL	SDG	Upstream CFL - 29	Utilities	4,052	59%	29.0	77.0	194.6	0.028
UpCFL	SDG	Upstream CFL - 29	Warehouse	3,111	42%	29.0	77.0	149.4	0.020
UpCFL	SDG	Upstream CFL - 30	Agriculture	1,217	24%	30.0	79.7	60.4	0.012
UpCFL	SDG	Upstream CFL - 30	Assembly	1,348	11%	30.0	79.7	67.0	0.005
UpCFL	SDG	Upstream CFL - 30	Communications	1,032	24%	30.0	79.7	51.3	0.012
UpCFL	SDG	Upstream CFL - 30	Construction	2,989	11%	30.0	79.7	148.5	0.005
UpCFL	SDG	Upstream CFL - 30	Education - Other	2,812	27%	30.0	79.7	139.7	0.013
UpCFL	SDG	Upstream CFL - 30	Education - Secondary School	1,025	19%	30.0	79.7	50.9	0.009
UpCFL	SDG	Upstream CFL - 30	Health/Medical	2,063	52%	30.0	79.7	102.5	0.026
UpCFL	SDG	Upstream CFL - 30	Lodging	1,106	13%	30.0	79.7	54.9	0.007
UpCFL	SDG	Upstream CFL - 30	Manufacturing - Light Industrial	2,693	55%	30.0	79.7	133.8	0.027
UpCFL	SDG	Upstream CFL - 30	Missing	3,645	76%	30.0	79.7	181.1	0.038
UpCFL	SDG	Upstream CFL - 30	Office - Small	2,551	41%	30.0	79.7	126.7	0.021
UpCFL	SDG	Upstream CFL - 30	Restaurant	3,909	60%	30.0	79.7	194.2	0.030
UpCFL	SDG	Upstream CFL - 30	Retail	3,004	59%	30.0	79.7	149.2	0.030
UpCFL	SDG	Upstream CFL - 30	Sic 20 Food & Kindred Products	2,854	52%	30.0	79.7	141.8	0.026
UpCFL	SDG	Upstream CFL - 30	Unknown	2,559	53%	30.0	79.7	127.1	0.026
UpCFL	SDG	Upstream CFL - 30	Utilities	4,052	59%	30.0	79.7	201.3	0.029
UpCFL	SDG	Upstream CFL - 30	Warehouse	3,111	42%	30.0	79.7	154.6	0.021
UpCFL	SDG	Upstream CFL - 31	Agriculture	1,217	24%	31.0	82.3	62.4	0.012
UpCFL	SDG	Upstream CFL - 31	Assembly	1,348	11%	31.0	82.3	69.2	0.005
UpCFL	SDG	Upstream CFL - 31	Communications	1,032	24%	31.0	82.3	53.0	0.012
UpCFL	SDG	Upstream CFL - 31	Construction	2,989	11%	31.0	82.3	153.4	0.005
UpCFL	SDG	Upstream CFL - 31	Education - Other	2,812	27%	31.0	82.3	144.3	0.014
UpCFL	SDG	Upstream CFL - 31	Education - Secondary School	1,025	19%	31.0	82.3	52.6	0.010
UpCFL	SDG	Upstream CFL - 31	Health/Medical	2,063	52%	31.0	82.3	105.9	0.026
UpCFL	SDG	Upstream CFL - 31	Lodging	1,106	13%	31.0	82.3	56.8	0.007
UpCFL	SDG	Upstream CFL - 31	Manufacturing - Light Industrial	2,693	55%	31.0	82.3	138.2	0.028
UpCFL	SDG	Upstream CFL - 31	Missing	3,645	76%	31.0	82.3	187.1	0.039

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 31	Office - Small	2,551	41%	31.0	82.3	130.9	0.021
UpCFL	SDG	Upstream CFL - 31	Restaurant	3,909	60%	31.0	82.3	200.7	0.031
UpCFL	SDG	Upstream CFL - 31	Retail	3,004	59%	31.0	82.3	154.2	0.031
UpCFL	SDG	Upstream CFL - 31	Sic 20 Food & Kindred Products	2,854	52%	31.0	82.3	146.5	0.027
UpCFL	SDG	Upstream CFL - 31	Unknown	2,559	53%	31.0	82.3	131.4	0.027
UpCFL	SDG	Upstream CFL - 31	Utilities	4,052	59%	31.0	82.3	208.0	0.030
UpCFL	SDG	Upstream CFL - 31	Warehouse	3,111	42%	31.0	82.3	159.7	0.022
UpCFL	SDG	Upstream CFL - 32	Agriculture	1,217	24%	32.0	85.0	64.5	0.013
UpCFL	SDG	Upstream CFL - 32	Assembly	1,348	11%	32.0	85.0	71.4	0.006
UpCFL	SDG	Upstream CFL - 32	Communications	1,032	24%	32.0	85.0	54.7	0.013
UpCFL	SDG	Upstream CFL - 32	Construction	2,989	11%	32.0	85.0	158.4	0.006
UpCFL	SDG	Upstream CFL - 32	Education - Other	2,812	27%	32.0	85.0	149.0	0.014
UpCFL	SDG	Upstream CFL - 32	Education - Secondary School	1,025	19%	32.0	85.0	54.3	0.010
UpCFL	SDG	Upstream CFL - 32	Health/Medical	2,063	52%	32.0	85.0	109.3	0.027
UpCFL	SDG	Upstream CFL - 32	Lodging	1,106	13%	32.0	85.0	58.6	0.007
UpCFL	SDG	Upstream CFL - 32	Manufacturing - Light Industrial	2,693	55%	32.0	85.0	142.7	0.029
UpCFL	SDG	Upstream CFL - 32	Missing	3,645	76%	32.0	85.0	193.2	0.040
UpCFL	SDG	Upstream CFL - 32	Office - Small	2,551	41%	32.0	85.0	135.2	0.022
UpCFL	SDG	Upstream CFL - 32	Restaurant	3,909	60%	32.0	85.0	207.2	0.032
UpCFL	SDG	Upstream CFL - 32	Retail	3,004	59%	32.0	85.0	159.2	0.032
UpCFL	SDG	Upstream CFL - 32	Sic 20 Food & Kindred Products	2,854	52%	32.0	85.0	151.2	0.028
UpCFL	SDG	Upstream CFL - 32	Unknown	2,559	53%	32.0	85.0	135.6	0.028
UpCFL	SDG	Upstream CFL - 32	Utilities	4,052	59%	32.0	85.0	214.7	0.031
UpCFL	SDG	Upstream CFL - 32	Warehouse	3,111	42%	32.0	85.0	164.9	0.022
UpCFL	SDG	Upstream CFL - 33	Agriculture	1,217	24%	33.0	87.6	66.5	0.013
UpCFL	SDG	Upstream CFL - 33	Assembly	1,348	11%	33.0	87.6	73.7	0.006
UpCFL	SDG	Upstream CFL - 33	Communications	1,032	24%	33.0	87.6	56.4	0.013
UpCFL	SDG	Upstream CFL - 33	Construction	2,989	11%	33.0	87.6	163.3	0.006
UpCFL	SDG	Upstream CFL - 33	Education - Other	2,812	27%	33.0	87.6	153.6	0.015
UpCFL	SDG	Upstream CFL - 33	Education - Secondary School	1,025	19%	33.0	87.6	56.0	0.010
UpCFL	SDG	Upstream CFL - 33	Health/Medical	2,063	52%	33.0	87.6	112.7	0.028
UpCFL	SDG	Upstream CFL - 33	Lodging	1,106	13%	33.0	87.6	60.4	0.007
UpCFL	SDG	Upstream CFL - 33	Manufacturing - Light Industrial	2,693	55%	33.0	87.6	147.1	0.030
UpCFL	SDG	Upstream CFL - 33	Missing	3,645	76%	33.0	87.6	199.2	0.042
UpCFL	SDG	Upstream CFL - 33	Office - Small	2,551	41%	33.0	87.6	139.4	0.023
UpCFL	SDG	Upstream CFL - 33	Restaurant	3,909	60%	33.0	87.6	213.6	0.033
UpCFL	SDG	Upstream CFL - 33	Retail	3,004	59%	33.0	87.6	164.1	0.033
UpCFL	SDG	Upstream CFL - 33	Sic 20 Food & Kindred Products	2,854	52%	33.0	87.6	156.0	0.029
UpCFL	SDG	Upstream CFL - 33	Unknown	2,559	53%	33.0	87.6	139.8	0.029
UpCFL	SDG	Upstream CFL - 33	Utilities	4,052	59%	33.0	87.6	221.4	0.032
UpCFL	SDG	Upstream CFL - 33	Warehouse	3,111	42%	33.0	87.6	170.0	0.023
UpCFL	SDG	Upstream CFL - 34	Agriculture	1,217	24%	34.0	90.3	68.5	0.014
UpCFL	SDG	Upstream CFL - 34	Assembly	1,348	11%	34.0	90.3	75.9	0.006
UpCFL	SDG	Upstream CFL - 34	Communications	1,032	24%	34.0	90.3	58.1	0.014
UpCFL	SDG	Upstream CFL - 34	Construction	2,989	11%	34.0	90.3	168.3	0.006
UpCFL	SDG	Upstream CFL - 34	Education - Other	2,812	27%	34.0	90.3	158.3	0.015
UpCFL	SDG	Upstream CFL - 34	Education - Secondary School	1,025	19%	34.0	90.3	57.7	0.011

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 34	Health/Medical	2,063	52%	34.0	90.3	116.1	0.029
UpCFL	SDG	Upstream CFL - 34	Lodging	1,106	13%	34.0	90.3	62.3	0.008
UpCFL	SDG	Upstream CFL - 34	Manufacturing - Light Industrial	2,693	55%	34.0	90.3	151.6	0.031
UpCFL	SDG	Upstream CFL - 34	Missing	3,645	76%	34.0	90.3	205.2	0.043
UpCFL	SDG	Upstream CFL - 34	Office - Small	2,551	41%	34.0	90.3	143.6	0.023
UpCFL	SDG	Upstream CFL - 34	Restaurant	3,909	60%	34.0	90.3	220.1	0.034
UpCFL	SDG	Upstream CFL - 34	Retail	3,004	59%	34.0	90.3	169.1	0.033
UpCFL	SDG	Upstream CFL - 34	Sic 20 Food & Kindred Products	2,854	52%	34.0	90.3	160.7	0.029
UpCFL	SDG	Upstream CFL - 34	Unknown	2,559	53%	34.0	90.3	144.1	0.030
UpCFL	SDG	Upstream CFL - 34	Utilities	4,052	59%	34.0	90.3	228.1	0.033
UpCFL	SDG	Upstream CFL - 34	Warehouse	3,111	42%	34.0	90.3	175.2	0.024
UpCFL	SDG	Upstream CFL - 35	Agriculture	1,217	24%	35.0	93.0	70.5	0.014
UpCFL	SDG	Upstream CFL - 35	Assembly	1,348	11%	35.0	93.0	78.1	0.006
UpCFL	SDG	Upstream CFL - 35	Communications	1,032	24%	35.0	93.0	59.8	0.014
UpCFL	SDG	Upstream CFL - 35	Construction	2,989	11%	35.0	93.0	173.2	0.006
UpCFL	SDG	Upstream CFL - 35	Education - Other	2,812	27%	35.0	93.0	163.0	0.016
UpCFL	SDG	Upstream CFL - 35	Education - Secondary School	1,025	19%	35.0	93.0	59.4	0.011
UpCFL	SDG	Upstream CFL - 35	Health/Medical	2,063	52%	35.0	93.0	119.6	0.030
UpCFL	SDG	Upstream CFL - 35	Lodging	1,106	13%	35.0	93.0	64.1	0.008
UpCFL	SDG	Upstream CFL - 35	Manufacturing - Light Industrial	2,693	55%	35.0	93.0	156.1	0.032
UpCFL	SDG	Upstream CFL - 35	Missing	3,645	76%	35.0	93.0	211.3	0.044
UpCFL	SDG	Upstream CFL - 35	Office - Small	2,551	41%	35.0	93.0	147.9	0.024
UpCFL	SDG	Upstream CFL - 35	Restaurant	3,909	60%	35.0	93.0	226.6	0.035
UpCFL	SDG	Upstream CFL - 35	Retail	3,004	59%	35.0	93.0	174.1	0.034
UpCFL	SDG	Upstream CFL - 35	Sic 20 Food & Kindred Products	2,854	52%	35.0	93.0	165.4	0.030
UpCFL	SDG	Upstream CFL - 35	Unknown	2,559	53%	35.0	93.0	148.3	0.031
UpCFL	SDG	Upstream CFL - 35	Utilities	4,052	59%	35.0	93.0	234.8	0.034
UpCFL	SDG	Upstream CFL - 35	Warehouse	3,111	42%	35.0	93.0	180.3	0.024
UpCFL	SDG	Upstream CFL - 36	Agriculture	1,217	24%	36.0	95.6	72.5	0.015
UpCFL	SDG	Upstream CFL - 36	Assembly	1,348	11%	36.0	95.6	80.3	0.006
UpCFL	SDG	Upstream CFL - 36	Communications	1,032	24%	36.0	95.6	61.5	0.015
UpCFL	SDG	Upstream CFL - 36	Construction	2,989	11%	36.0	95.6	178.2	0.006
UpCFL	SDG	Upstream CFL - 36	Education - Other	2,812	27%	36.0	95.6	167.6	0.016
UpCFL	SDG	Upstream CFL - 36	Education - Secondary School	1,025	19%	36.0	95.6	61.1	0.011
UpCFL	SDG	Upstream CFL - 36	Health/Medical	2,063	52%	36.0	95.6	123.0	0.031
UpCFL	SDG	Upstream CFL - 36	Lodging	1,106	13%	36.0	95.6	65.9	0.008
UpCFL	SDG	Upstream CFL - 36	Manufacturing - Light Industrial	2,693	55%	36.0	95.6	160.5	0.033
UpCFL	SDG	Upstream CFL - 36	Missing	3,645	76%	36.0	95.6	217.3	0.045
UpCFL	SDG	Upstream CFL - 36	Office - Small	2,551	41%	36.0	95.6	152.1	0.025
UpCFL	SDG	Upstream CFL - 36	Restaurant	3,909	60%	36.0	95.6	233.0	0.036
UpCFL	SDG	Upstream CFL - 36	Retail	3,004	59%	36.0	95.6	179.1	0.035
UpCFL	SDG	Upstream CFL - 36	Sic 20 Food & Kindred Products	2,854	52%	36.0	95.6	170.1	0.031
UpCFL	SDG	Upstream CFL - 36	Unknown	2,559	53%	36.0	95.6	152.5	0.032
UpCFL	SDG	Upstream CFL - 36	Utilities	4,052	59%	36.0	95.6	241.5	0.035
UpCFL	SDG	Upstream CFL - 36	Warehouse	3,111	42%	36.0	95.6	185.5	0.025
UpCFL	SDG	Upstream CFL - 37	Agriculture	1,217	24%	37.0	98.3	74.5	0.015
UpCFL	SDG	Upstream CFL - 37	Assembly	1,348	11%	37.0	98.3	82.6	0.007

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 37	Communications	1,032	24%	37.0	98.3	63.2	0.015
UpCFL	SDG	Upstream CFL - 37	Construction	2,989	11%	37.0	98.3	183.1	0.007
UpCFL	SDG	Upstream CFL - 37	Education - Other	2,812	27%	37.0	98.3	172.3	0.017
UpCFL	SDG	Upstream CFL - 37	Education - Secondary School	1,025	19%	37.0	98.3	62.8	0.012
UpCFL	SDG	Upstream CFL - 37	Health/Medical	2,063	52%	37.0	98.3	126.4	0.032
UpCFL	SDG	Upstream CFL - 37	Lodging	1,106	13%	37.0	98.3	67.8	0.008
UpCFL	SDG	Upstream CFL - 37	Manufacturing - Light Industrial	2,693	55%	37.0	98.3	165.0	0.033
UpCFL	SDG	Upstream CFL - 37	Missing	3,645	76%	37.0	98.3	223.4	0.047
UpCFL	SDG	Upstream CFL - 37	Office - Small	2,551	41%	37.0	98.3	156.3	0.025
UpCFL	SDG	Upstream CFL - 37	Restaurant	3,909	60%	37.0	98.3	239.5	0.037
UpCFL	SDG	Upstream CFL - 37	Retail	3,004	59%	37.0	98.3	184.0	0.036
UpCFL	SDG	Upstream CFL - 37	Sic 20 Food & Kindred Products	2,854	52%	37.0	98.3	174.9	0.032
UpCFL	SDG	Upstream CFL - 37	Unknown	2,559	53%	37.0	98.3	156.8	0.032
UpCFL	SDG	Upstream CFL - 37	Utilities	4,052	59%	37.0	98.3	248.2	0.036
UpCFL	SDG	Upstream CFL - 37	Warehouse	3,111	42%	37.0	98.3	190.6	0.026
UpCFL	SDG	Upstream CFL - 38	Agriculture	1,217	24%	38.0	100.9	76.5	0.015
UpCFL	SDG	Upstream CFL - 38	Assembly	1,348	11%	38.0	100.9	84.8	0.007
UpCFL	SDG	Upstream CFL - 38	Communications	1,032	24%	38.0	100.9	64.9	0.015
UpCFL	SDG	Upstream CFL - 38	Construction	2,989	11%	38.0	100.9	188.0	0.007
UpCFL	SDG	Upstream CFL - 38	Education - Other	2,812	27%	38.0	100.9	176.9	0.017
UpCFL	SDG	Upstream CFL - 38	Education - Secondary School	1,025	19%	38.0	100.9	64.5	0.012
UpCFL	SDG	Upstream CFL - 38	Health/Medical	2,063	52%	38.0	100.9	129.8	0.032
UpCFL	SDG	Upstream CFL - 38	Lodging	1,106	13%	38.0	100.9	69.6	0.008
UpCFL	SDG	Upstream CFL - 38	Manufacturing - Light Industrial	2,693	55%	38.0	100.9	169.4	0.034
UpCFL	SDG	Upstream CFL - 38	Missing	3,645	76%	38.0	100.9	229.4	0.048
UpCFL	SDG	Upstream CFL - 38	Office - Small	2,551	41%	38.0	100.9	160.5	0.026
UpCFL	SDG	Upstream CFL - 38	Restaurant	3,909	60%	38.0	100.9	246.0	0.038
UpCFL	SDG	Upstream CFL - 38	Retail	3,004	59%	38.0	100.9	189.0	0.037
UpCFL	SDG	Upstream CFL - 38	Sic 20 Food & Kindred Products	2,854	52%	38.0	100.9	179.6	0.033
UpCFL	SDG	Upstream CFL - 38	Unknown	2,559	53%	38.0	100.9	161.0	0.033
UpCFL	SDG	Upstream CFL - 38	Utilities	4,052	59%	38.0	100.9	254.9	0.037
UpCFL	SDG	Upstream CFL - 38	Warehouse	3,111	42%	38.0	100.9	195.8	0.026
UpCFL	SDG	Upstream CFL - 39	Agriculture	1,217	24%	39.0	103.6	78.6	0.016
UpCFL	SDG	Upstream CFL - 39	Assembly	1,348	11%	39.0	103.6	87.0	0.007
UpCFL	SDG	Upstream CFL - 39	Communications	1,032	24%	39.0	103.6	66.6	0.016
UpCFL	SDG	Upstream CFL - 39	Construction	2,989	11%	39.0	103.6	193.0	0.007
UpCFL	SDG	Upstream CFL - 39	Education - Other	2,812	27%	39.0	103.6	181.6	0.017
UpCFL	SDG	Upstream CFL - 39	Education - Secondary School	1,025	19%	39.0	103.6	66.2	0.012
UpCFL	SDG	Upstream CFL - 39	Health/Medical	2,063	52%	39.0	103.6	133.2	0.033
UpCFL	SDG	Upstream CFL - 39	Lodging	1,106	13%	39.0	103.6	71.4	0.009
UpCFL	SDG	Upstream CFL - 39	Manufacturing - Light Industrial	2,693	55%	39.0	103.6	173.9	0.035
UpCFL	SDG	Upstream CFL - 39	Missing	3,645	76%	39.0	103.6	235.4	0.049
UpCFL	SDG	Upstream CFL - 39	Office - Small	2,551	41%	39.0	103.6	164.7	0.027
UpCFL	SDG	Upstream CFL - 39	Restaurant	3,909	60%	39.0	103.6	252.5	0.039
UpCFL	SDG	Upstream CFL - 39	Retail	3,004	59%	39.0	103.6	194.0	0.038
UpCFL	SDG	Upstream CFL - 39	Sic 20 Food & Kindred Products	2,854	52%	39.0	103.6	184.3	0.034
UpCFL	SDG	Upstream CFL - 39	Unknown	2,559	53%	39.0	103.6	165.3	0.034

HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 39	Utilities	4,052	59%	39.0	103.6	261.7	0.038
UpCFL	SDG	Upstream CFL - 39	Warehouse	3,111	42%	39.0	103.6	200.9	0.027
UpCFL	SDG	Upstream CFL - 40	Agriculture	1,217	24%	40.0	106.2	80.6	0.016
UpCFL	SDG	Upstream CFL - 40	Assembly	1,348	11%	40.0	106.2	89.3	0.007
UpCFL	SDG	Upstream CFL - 40	Communications	1,032	24%	40.0	106.2	68.3	0.016
UpCFL	SDG	Upstream CFL - 40	Construction	2,989	11%	40.0	106.2	197.9	0.007
UpCFL	SDG	Upstream CFL - 40	Education - Other	2,812	27%	40.0	106.2	186.2	0.018
UpCFL	SDG	Upstream CFL - 40	Education - Secondary School	1,025	19%	40.0	106.2	67.9	0.013
UpCFL	SDG	Upstream CFL - 40	Health/Medical	2,063	52%	40.0	106.2	136.6	0.034
UpCFL	SDG	Upstream CFL - 40	Lodging	1,106	13%	40.0	106.2	73.2	0.009
UpCFL	SDG	Upstream CFL - 40	Manufacturing - Light Industrial	2,693	55%	40.0	106.2	178.4	0.036
UpCFL	SDG	Upstream CFL - 40	Missing	3,645	76%	40.0	106.2	241.4	0.050
UpCFL	SDG	Upstream CFL - 40	Office - Small	2,551	41%	40.0	106.2	169.0	0.027
UpCFL	SDG	Upstream CFL - 40	Restaurant	3,909	60%	40.0	106.2	258.9	0.040
UpCFL	SDG	Upstream CFL - 40	Retail	3,004	59%	40.0	106.2	198.9	0.039
UpCFL	SDG	Upstream CFL - 40	Sic 20 Food & Kindred Products	2,854	52%	40.0	106.2	189.0	0.035
UpCFL	SDG	Upstream CFL - 40	Unknown	2,559	53%	40.0	106.2	169.5	0.035
UpCFL	SDG	Upstream CFL - 40	Utilities	4,052	59%	40.0	106.2	268.3	0.039
UpCFL	SDG	Upstream CFL - 40	Warehouse	3,111	42%	40.0	106.2	206.1	0.028
UpCFL	SDG	Upstream CFL - 41	Agriculture	1,217	24%	41.0	108.9	82.6	0.017
UpCFL	SDG	Upstream CFL - 41	Assembly	1,348	11%	41.0	108.9	91.5	0.007
UpCFL	SDG	Upstream CFL - 41	Communications	1,032	24%	41.0	108.9	70.0	0.017
UpCFL	SDG	Upstream CFL - 41	Construction	2,989	11%	41.0	108.9	202.9	0.007
UpCFL	SDG	Upstream CFL - 41	Education - Other	2,812	27%	41.0	108.9	190.9	0.018
UpCFL	SDG	Upstream CFL - 41	Education - Secondary School	1,025	19%	41.0	108.9	69.6	0.013
UpCFL	SDG	Upstream CFL - 41	Health/Medical	2,063	52%	41.0	108.9	140.0	0.035
UpCFL	SDG	Upstream CFL - 41	Lodging	1,106	13%	41.0	108.9	75.1	0.009
UpCFL	SDG	Upstream CFL - 41	Manufacturing - Light Industrial	2,693	55%	41.0	108.9	182.8	0.037
UpCFL	SDG	Upstream CFL - 41	Missing	3,645	76%	41.0	108.9	247.5	0.052
UpCFL	SDG	Upstream CFL - 41	Office - Small	2,551	41%	41.0	108.9	173.2	0.028
UpCFL	SDG	Upstream CFL - 41	Restaurant	3,909	60%	41.0	108.9	265.4	0.041
UpCFL	SDG	Upstream CFL - 41	Retail	3,004	59%	41.0	108.9	203.9	0.040
UpCFL	SDG	Upstream CFL - 41	Sic 20 Food & Kindred Products	2,854	52%	41.0	108.9	193.8	0.036
UpCFL	SDG	Upstream CFL - 41	Unknown	2,559	53%	41.0	108.9	173.7	0.036
UpCFL	SDG	Upstream CFL - 41	Utilities	4,052	59%	41.0	108.9	275.1	0.040
UpCFL	SDG	Upstream CFL - 41	Warehouse	3,111	42%	41.0	108.9	211.2	0.029
UpCFL	SDG	Upstream CFL - 42	Agriculture	1,217	24%	42.0	111.6	84.6	0.017
UpCFL	SDG	Upstream CFL - 42	Assembly	1,348	11%	42.0	111.6	93.7	0.007
UpCFL	SDG	Upstream CFL - 42	Communications	1,032	24%	42.0	111.6	71.8	0.017
UpCFL	SDG	Upstream CFL - 42	Construction	2,989	11%	42.0	111.6	207.9	0.007
UpCFL	SDG	Upstream CFL - 42	Education - Other	2,812	27%	42.0	111.6	195.5	0.019
UpCFL	SDG	Upstream CFL - 42	Education - Secondary School	1,025	19%	42.0	111.6	71.3	0.013
UpCFL	SDG	Upstream CFL - 42	Health/Medical	2,063	52%	42.0	111.6	143.5	0.036
UpCFL	SDG	Upstream CFL - 42	Lodging	1,106	13%	42.0	111.6	76.9	0.009
UpCFL	SDG	Upstream CFL - 42	Manufacturing - Light Industrial	2,693	55%	42.0	111.6	187.3	0.038
UpCFL	SDG	Upstream CFL - 42	Missing	3,645	76%	42.0	111.6	253.5	0.053
UpCFL	SDG	Upstream CFL - 42	Office - Small	2,551	41%	42.0	111.6	177.4	0.029



HIM	IOU	Measure Name	ED DEER Building Type	OpHours	OpHours	PreWatt	PostWatt	ExPostUES_kWh	ExPostUES_kW
UpCFL	SDG	Upstream CFL - 42	Restaurant	3,909	60%	42.0	111.6	271.9	0.042
UpCFL	SDG	Upstream CFL - 42	Retail	3,004	59%	42.0	111.6	208.9	0.041
UpCFL	SDG	Upstream CFL - 42	Sic 20 Food & Kindred Products	2,854	52%	42.0	111.6	198.5	0.036
UpCFL	SDG	Upstream CFL - 42	Unknown	2,559	53%	42.0	111.6	178.0	0.037
UpCFL	SDG	Upstream CFL - 42	Utilities	4,052	59%	42.0	111.6	281.8	0.041
UpCFL	SDG	Upstream CFL - 42	Warehouse	3,111	42%	42.0	111.6	216.4	0.029
UpCFL	SDG	Upstream CFL - 68	Agriculture	1,217	24%	68.0	180.6	137.0	0.027
UpCFL	SDG	Upstream CFL - 68	Assembly	1,348	11%	68.0	180.6	151.8	0.012
UpCFL	SDG	Upstream CFL - 68	Communications	1,032	24%	68.0	180.6	116.2	0.027
UpCFL	SDG	Upstream CFL - 68	Construction	2,989	11%	68.0	180.6	336.5	0.012
UpCFL	SDG	Upstream CFL - 68	Education - Other	2,812	27%	68.0	180.6	316.6	0.030
UpCFL	SDG	Upstream CFL - 68	Education - Secondary School	1,025	19%	68.0	180.6	115.4	0.021
UpCFL	SDG	Upstream CFL - 68	Health/Medical	2,063	52%	68.0	180.6	232.3	0.058
UpCFL	SDG	Upstream CFL - 68	Lodging	1,106	13%	68.0	180.6	124.5	0.015
UpCFL	SDG	Upstream CFL - 68	Manufacturing - Light Industrial	2,693	55%	68.0	180.6	303.2	0.061
UpCFL	SDG	Upstream CFL - 68	Missing	3,645	76%	68.0	180.6	410.5	0.086
UpCFL	SDG	Upstream CFL - 68	Office - Small	2,551	41%	68.0	180.6	287.3	0.046
UpCFL	SDG	Upstream CFL - 68	Restaurant	3,909	60%	68.0	180.6	440.2	0.068
UpCFL	SDG	Upstream CFL - 68	Retail	3,004	59%	68.0	180.6	338.2	0.067
UpCFL	SDG	Upstream CFL - 68	Sic 20 Food & Kindred Products	2,854	52%	68.0	180.6	321.4	0.059
UpCFL	SDG	Upstream CFL - 68	Unknown	2,559	53%	68.0	180.6	288.1	0.060
UpCFL	SDG	Upstream CFL - 68	Utilities	4,052	59%	68.0	180.6	456.2	0.067
UpCFL	SDG	Upstream CFL - 68	Warehouse	3,111	42%	68.0	180.6	350.3	0.047

# ***Appendix L***

## **Survey Banners**

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# Upstream Banners

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	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;FM050&gt; What is the main business activity at your facility?</b>							
Offices(non @-medical)	18.82	17.01	16.39	21.96	13.38	20.55	19.91
Restaurant/Food service	11.12	11.59	11.08	10.82	15.68	12.11	8.13
Food Store (grocery/liquor/convenience)	1.21	0.96	1.16	1.43	1.06	0.95	1.50
Agricultural (greenhouses)	1.50	2.13	1.32	1.19	1.83	1.81	1.08
Retail Stores	14.37	14.18	12.86	15.66	10.73	11.56	18.46
Warehouse	3.82	3.29	4.92	3.36	1.95	3.71	4.80
Health Care	7.93	6.34	8.18	8.89	6.54	9.03	7.66
Education	3.04	2.63	3.14	3.27	3.36	3.64	2.39
Lodging (hotel/condos/rooms)	8.57	14.97	10.81	2.29	17.33	7.62	5.25
Public Assembly(church/fitness/library/museum/convention)	6.46	6.38	7.28	5.88	10.61	6.76	4.25
Services (gas/repair)	5.97	5.38	3.80	8.05	2.95	5.78	7.55
Industrial (Manufacturing)	6.94	5.80	7.94	6.98	5.01	8.21	6.77
Laundry	0.70	0.71	0.39	0.92	0.65	0.53	0.86
Automobile Dealership	0.62	0.67	0.62	0.59	0.71	0.39	0.78
Construction	0.58	0.54	0.39	0.74	0.18	0.36	0.94
Art/Antiques Gallery/Store	0.41	0.54	0.27	0.42	0.29	0.30	0.56
Public Services/Municipal	0.70	1.21	0.74	0.30	0.88	0.46	0.81
Wholesale and Distribution	0.99	0.58	1.05	1.25	0.18	0.82	1.53
Housing/Apartment/RV Complexes and Parks	2.01	1.13	4.22	0.95	3.24	1.38	1.97
Multi-use property	0.29	0.33	0.35	0.21	0.35	0.13	0.39
Other Services	1.52	1.29	0.89	2.17	1.12	1.48	1.75
Printing	0.35	0.08	0.50	0.42	0.29	0.26	0.44
Contractor	0.30	0.38	0.23	0.30	0.00	0.33	0.42
OPEN, DO NOT USE unless necessary	1.58	1.63	1.39	1.69	1.53	1.54	1.64
REFUSED	0.10	0.13	0.04	0.12	0.00	0.16	0.08
DON'T KNOW	0.11	0.13	0.04	0.15	0.12	0.13	0.08
<i>n</i>	8344	2398	2581	3365	1696	3046	3602
<b>&lt;FM050A&gt; Which of the following types of offices best describes your facility? Would you say...</b>							
Administration and management	41.17	39.12	46.58	39.20	39.29	35.82	46.38
Financial/Legal	15.23	15.70	13.97	15.68	15.31	16.23	14.33
Insurance/Real Estate	15.52	18.18	9.32	17.60	14.80	16.23	15.14
Data Processing/Computer center	2.37	2.76	1.92	2.40	2.55	2.80	1.93
Mixed@-use/Multi@-tenant	14.41	13.22	18.08	12.96	18.37	13.81	13.69
Lab / R&D Facility	3.03	2.20	3.29	3.36	3.57	3.17	2.74
Software development	1.63	1.38	0.27	2.56	0.51	2.24	1.45
Government services	1.48	2.76	1.37	0.80	1.02	2.05	1.13
OPEN DO NOT USE unless necessary	4.66	3.86	4.66	5.12	3.57	7.09	2.90
DON'T KNOW	0.52	0.83	0.55	0.32	1.02	0.56	0.32
<i>n</i>	1353	363	365	625	196	536	621
<b>&lt;FM050B&gt; Which of the following types of restaurants or food service best describes your facility? Would you say...</b>							
Fast Food or Self Service	28.73	22.62	29.24	32.76	22.18	31.29	31.37
Specialty/Novelty Food Service	9.46	8.33	10.83	9.20	8.87	10.34	8.86
Table Service	41.73	35.32	48.01	41.38	41.94	41.62	41.70
Bar/Tavern/Nightclub/Other entertainment	14.14	28.57	8.30	8.33	20.57	10.89	12.55
Other Food Service	5.59	4.76	3.25	8.05	6.05	5.59	5.17
DON'T KNOW	0.34	0.40	0.36	0.29	0.40	0.28	0.37
<i>n</i>	877	252	277	348	248	358	271
<b>&lt;FM050C&gt; Which of the following types of food stores best describes your facility? Would you say....</b>							
Supermarkets	9.76	11.11	15.38	5.26	0.00	14.81	9.09
Small General Grocery	28.05	22.22	19.23	36.84	36.36	14.81	34.09
Specialty/Ethnic Grocery	15.85	16.67	7.69	21.05	9.09	22.22	13.64
Convenience Store	24.39	16.67	34.62	21.05	9.09	29.63	25.00
Liquor Store	13.41	5.56	15.38	15.79	18.18	14.81	11.36
OPEN/Describe type of agricultural facility	8.54	27.78	7.69	0.00	27.27	3.70	6.82
<i>n</i>	82	18	26	38	11	27	44

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;FM050D&gt; What type of agricultural facility is this?</b>							
Commercial Greenhouse	40.45	17.86	44.83	56.25	27.27	52.38	32.00
Farm	38.20	50.00	31.03	34.38	50.00	33.33	36.00
Agricultural processing	6.74	10.71	10.34	0.00	13.64	2.38	8.00
OPEN\Describe type of agricultural facility	12.36	14.29	13.79	9.38	9.09	11.90	16.00
DON'T KNOW	2.25	7.14	0.00	0.00	0.00	0.00	8.00
<i>n</i>	89	28	29	32	22	42	25
<b>&lt;FM050E&gt; Which of the following types of retail store best describes your facility? Would you say....</b>							
Department/Variety Store	17.94	16.19	20.67	17.35	18.18	17.98	17.85
Retail Warehouse/Club	9.11	11.75	6.67	8.89	7.27	8.83	9.76
Shop in Enclosed Mall	3.81	2.22	3.33	5.21	3.03	3.16	4.38
Shop in Strip Mall	28.35	21.91	28.00	32.97	27.27	29.97	27.78
Auto Sales	8.55	7.62	10.67	7.81	3.03	8.83	9.93
Stand Alone Building	14.50	20.95	13.33	10.85	20.61	9.78	15.32
Multi-Tenant Building	2.23	2.54	2.67	1.74	3.64	1.58	2.19
Specialty/Location Unspecified	7.25	8.25	5.00	8.03	9.09	6.94	6.90
Store along the street (did not specify if stand alone)	1.12	1.59	2.33	0.00	0.61	0.63	1.52
OPEN, DO NOT USE unless necessary	6.41	6.03	7.00	6.29	6.67	11.36	3.70
DON'T KNOW	0.74	0.95	0.33	0.87	0.61	0.95	0.67
<i>n</i>	1076	315	300	461	165	317	594
<b>&lt;FM050F&gt; Which of the following types of warehouse best describes your facility? Would you say....</b>							
Refrigerated Warehouse	4.58	3.51	2.78	7.22	8.00	2.94	5.19
Unconditioned Warehouse, High Bay (lighting higher than 13 ft)	61.83	56.14	69.44	56.70	52.00	61.77	63.70
Unconditioned Warehouse, Low Bay	12.60	5.26	11.11	18.56	20.00	13.73	10.37
Conditioned Warehouse, High Bay (lighting higher than 13 ft)	6.11	8.77	5.56	5.15	8.00	7.84	4.44
Conditioned Warehouse, Low Bay	4.58	5.26	4.63	4.12	4.00	5.88	3.70
OPEN, DO NOT USE unless necessary	5.34	8.77	4.63	4.12	4.00	4.90	5.93
DON'T KNOW	4.96	12.28	1.85	4.12	4.00	2.94	6.67
<i>n</i>	262	57	108	97	25	102	135
<b>&lt;FM050G&gt; Which of the following types of health care centers best describes your facility? Would you say....</b>							
Hospital	2.44	0.70	4.50	1.83	4.00	3.79	0.40
Nursing Home	5.03	4.20	7.00	4.03	8.00	3.03	5.95
Medical/Dental Office	56.82	59.44	47.00	62.64	52.00	58.71	56.75
Clinic/Outpatient Care	22.08	18.18	27.00	20.51	20.00	20.08	25.00
Medical/Dental Lab	7.31	9.09	8.50	5.50	5.00	7.58	7.94
Veterinary	3.57	5.59	4.00	2.20	7.00	3.79	1.98
OPEN DO NOT USE unless necessary	1.95	1.40	1.50	2.56	2.00	1.89	1.98
REFUSED	0.16	0.70	0.00	0.00	1.00	0.00	0.00
DON'T KNOW	0.65	0.70	0.50	0.73	1.00	1.14	0.00
<i>n</i>	616	143	200	273	100	264	252
<b>&lt;FM050H&gt; Which of the following types of educational centers best describes your facility? Would you say....</b>							
Daycare or Preschool	27.92	22.58	22.67	34.95	29.09	31.13	22.78
Elementary School	29.17	37.10	45.33	12.62	40.00	26.42	25.32
Middle/Secondary School	10.83	9.68	10.67	11.65	5.45	13.21	11.39
College/University	7.08	8.06	6.67	6.80	3.64	10.38	5.06
Vocational or Trade School	6.25	6.45	4.00	7.77	5.45	6.60	6.33
Workshop/Music/Adult School	10.00	4.84	4.00	17.48	3.64	4.72	21.52
OPEN DO NOT USE unless necessary	8.75	11.29	6.67	8.74	12.73	7.55	7.59
<i>n</i>	240	62	75	103	55	106	79

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;FM050I&gt; Which of the following types of lodging best describes your facility? Would you say....</b>							
Hotel	43.79	42.35	42.96	53.33	43.42	48.23	38.92
Motel	37.43	36.18	40.43	32.00	32.38	37.61	44.87
Resort	8.82	9.41	9.39	4.00	12.10	7.08	5.95
Bed & Breakfast/Inn/Cottages	5.93	9.41	3.25	0.00	8.54	2.66	5.95
Student/Corporate Housing	0.43	0.29	0.00	2.67	0.00	0.89	0.54
OPEN DO NOT USE unless necessary	3.32	2.35	3.61	6.67	3.56	3.10	3.24
DON'T KNOW	0.29	0.00	0.36	1.33	0.00	0.44	0.54
	<i>n</i>	692	340	277	75	281	226
							185
<b>&lt;FM050J&gt; Which of the following types of PUBLIC ASSEMBLY buildings best describes your facility? Would you say....</b>							
Religious Assembly@, Worship only	29.01	27.72	30.61	28.28	26.83	29.52	30.77
Religious Assembly@, Mixed Use	40.20	30.69	50.34	36.55	50.41	34.34	37.50
Health/Fitness Center	5.60	7.92	2.04	7.59	2.44	6.02	8.65
Movie Theaters	0.51	0.99	0.00	0.69	0.81	0.60	0.00
Theater/Performing Arts	1.02	1.98	0.00	1.38	0.81	1.81	0.00
Library/Museum	3.05	3.96	2.04	3.45	4.88	2.41	1.92
Conference/Convention Center	2.55	1.98	2.04	3.45	2.44	2.41	2.89
Community Center	11.71	15.84	8.16	12.41	5.69	13.25	16.35
Art Gallery	0.51	0.99	0.68	0.00	0.00	1.21	0.00
OPEN DO NOT USE unless necessary	5.34	6.93	3.40	6.21	5.69	7.83	0.96
DON'T KNOW	0.51	0.99	0.68	0.00	0.00	0.60	0.96
	<i>n</i>	393	101	147	145	123	166
							104
<b>&lt;FM050K&gt; Which of the following types of service buildings best describes your facility? Would you say....</b>							
Gas Station/Auto Repair	54.82	50.65	50.77	57.90	55.88	55.47	54.04
Gas Station with Convenience Store	9.34	10.39	4.62	10.53	8.82	8.03	10.56
Repair (Non@-auto)	14.46	20.78	20.00	10.00	5.88	15.33	15.53
Auto Body Repair	6.33	5.19	6.15	6.84	17.65	5.84	4.35
Vehicle Repair w/o Gas Station	3.31	3.90	4.62	2.63	5.88	0.73	4.97
OPEN DO NOT USE unless necessary	11.45	9.09	13.85	11.58	5.88	14.60	9.94
DON'T KNOW	0.30	0.00	0.00	0.53	0.00	0.00	0.62
	<i>n</i>	332	129	65	190	34	137
							161
<b>&lt;FM050L&gt; Which of the following types of buildings best describes your facility? Would you say....</b>							
Assembly/Light Manufacturing	87.63	84.76	87.91	88.89	92.96	82.87	90.91
Police/Fire Stations	0.83	0.95	1.10	0.51	0.00	1.85	0.00
Post Office	0.21	0.00	0.00	0.51	0.00	0.00	0.51
OPEN DO NOT USE unless necessary	10.72	14.29	10.99	8.59	7.04	14.35	8.08
REFUSED	0.62	0.00	0.00	1.52	0.00	0.93	0.51
	<i>n</i>	485	105	182	198	71	216
							198
<b>&lt;GL1&gt; Who purchases the lighting for your facility?</b>							
Self or other employee	81.76	83.99	84.35	78.19	90.45	81.55	77.85
Contractor	2.27	2.00	2.01	2.64	0.94	2.66	2.55
Property manager	6.94	5.59	4.88	9.48	3.30	6.93	8.66
Utility Company	0.36	0.29	0.46	0.33	0.24	0.30	0.47
Tenants	0.56	0.79	0.43	0.51	0.41	0.56	0.64
Owner/Corp. Office	4.90	4.75	4.18	5.56	3.42	4.89	5.61
No one /Haven't had to purchase lighting	0.56	0.50	0.58	0.59	0.12	0.39	0.92
Maintnace / Purchasing agent	0.53	0.21	0.74	0.59	0.53	0.56	0.50
Homeowner Association	0.08	0.04	0.19	0.03	0.06	0.00	0.17
Other-record	1.35	1.25	1.43	1.37	0.94	1.54	1.39
REFUSED	0.19	0.29	0.08	0.21	0.06	0.23	0.22
DON'T KNOW	1.23	0.96	1.12	1.52	0.18	1.54	1.47
	<i>n</i>	8344	2398	2581	3365	1696	3046
							3602

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;GL1A&gt; Who purchases the MAJORITY of your lighting versus secondary lighting purchases?</b>							
Self or other employee	55.00	46.67	50.00	60.61	27.27	64.71	53.33
Contractor	6.67	6.67	0.00	9.09	0.00	8.82	6.67
Property manager	10.00	6.67	16.67	9.09	27.27	5.88	6.67
Tenants	3.33	0.00	8.33	3.03	9.09	2.94	0.00
Owner/Corp. Office	5.00	13.33	0.00	3.03	0.00	0.00	20.00
Maintnace / Purchasing agent	1.67	0.00	0.00	3.03	9.09	0.00	0.00
Other@-record	16.67	26.67	25.00	9.09	27.27	14.71	13.33
Don't know	1.67	0.00	0.00	3.03	0.00	2.94	0.00
	<i>n</i>	60	15	12	33	11	34
<b>&lt;PC2&gt; Does your business occupy your entire building?</b>							
YES	25.75	35.63	40.00	17.67	53.57	28.34	20.78
NO	73.83	64.37	59.00	81.98	46.43	71.66	78.43
DON'T KNOW	0.43	0.00	1.00	0.35	0.00	0.00	0.78
	<i>n</i>	470	87	100	283	28	187
<b>&lt;PC3&gt; Which of the following best describes how your property manager replaces burned out bulbs?</b>							
They leave spare bulbs for you to replace as needed	23.40	28.74	27.00	20.50	46.43	27.81	17.65
They come out and replace EACH time a bulb burns out	43.62	43.68	44.00	43.46	35.71	42.78	45.10
They come out and replace after a FEW bulbs burn out	11.28	10.34	12.00	11.31	14.29	9.09	12.55
Haven't have to replace	2.98	2.30	2.00	3.53	0.00	1.07	4.71
Replace on our own	3.40	4.60	1.00	3.89	0.00	4.28	3.14
Other @-schedule	4.89	4.60	5.00	4.95	3.57	4.81	5.10
DON'T KNOW	10.43	5.75	9.00	12.37	0.00	10.16	11.77
	<i>n</i>	470	87	100	283	28	187
<b>&lt;GL3&gt; Where does your firm make the MAJORITY of the lighting purchases?</b>							
Drug Stores	0.19	0.30	0.14	0.15	0.33	0.20	0.11
Grocery Stores	0.59	0.90	0.51	0.42	0.98	0.61	0.36
Convenience Stores	0.16	0.15	0.23	0.12	0.20	0.20	0.11
Small Hardware Stores	8.45	15.31	6.01	5.19	9.23	7.59	8.78
Large Hardware Stores (Home Depot, Lowes)	55.09	43.09	56.05	63.54	53.44	53.13	57.74
Club Stores (Costco, Sam's Club)	5.44	7.78	4.44	4.46	9.30	5.52	3.24
Order online	2.50	2.69	2.68	2.19	3.34	2.48	2.05
Directly from distributor/wholesaler or contractor	10.90	11.82	13.12	8.35	9.43	11.36	11.30
Mass merchandise stores (Target, Walmart)	1.74	1.90	1.94	1.46	2.16	1.66	1.58
Lighting stores	5.11	6.08	4.90	4.54	5.70	5.11	4.79
Electronic stores (Frys, Best buy)	1.05	1.10	1.20	0.88	0.72	1.58	0.76
Discount stores (Smart & Final, 99 Cents store)	0.40	0.35	0.46	0.38	0.46	0.41	0.36
Electrical Supply Stores	0.71	1.35	0.60	0.31	0.79	0.69	0.68
Office Supply Stores	0.43	0.30	0.42	0.54	0.20	0.49	0.50
Hotel/Restaurant/Janitorial/Industrial Supplier	0.31	0.50	0.32	0.15	0.13	0.32	0.40
Catalogue	0.06	0.05	0.09	0.04	0.00	0.12	0.04
Haven't had to make purchase yet	0.47	0.15	0.46	0.73	0.20	0.37	0.72
Utility Company	0.13	0.10	0.05	0.23	0.07	0.24	0.07
Other (Please record)	2.14	2.99	1.76	1.81	2.10	2.64	1.73
Refused	0.33	0.25	0.28	0.42	0.13	0.28	0.47
Don't know	3.80	2.84	4.34	4.08	1.11	4.99	4.21
	<i>n</i>	6769	2005	2164	2600	1527	2464
<b>&lt;CON2&gt; Which of the following best describes how your contractor replaces burned out bulbs?</b>							
They leave spare bulbs for you to replace as needed	20.96	17.95	18.75	23.75	33.33	22.22	17.50
They come out and replace EACH time a bulb burns out	29.94	35.90	31.25	26.25	6.67	30.56	33.75
They come out and replace after a FEW bulbs burn out	24.55	15.38	33.33	23.75	13.33	19.44	31.25
Monthly maintances	6.59	5.13	6.25	7.50	6.67	8.33	5.00
Other -schedule	12.58	12.82	10.42	13.75	20.00	15.28	8.75
DON'T KNOW	5.39	12.82	0.00	5.00	20.00	4.17	3.75
	<i>n</i>	167	39	48	80	15	72

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;GL2&gt; Which of the following best descr</b>							
You buy lighting as it burns out	57.21	54.56	54.34	61.64	49.71	56.88	61.63
You buy lighting in bulk	32.37	34.41	34.33	29.17	39.75	31.47	29.12
You buy lighting on a regular schedule OR	2.82	2.99	2.68	2.81	2.82	2.80	2.84
You buy lighting in bulk on a regular schedule	4.89	5.44	5.68	3.81	5.96	5.40	3.85
Haven't had to purchase	0.58	0.15	0.51	0.96	0.26	0.49	0.83
Both in bulk and as it burns out	0.53	0.40	0.74	0.46	0.92	0.65	0.22
Other @ -schedule	0.74	0.90	0.65	0.69	0.33	1.18	0.58
Refused	0.12	0.20	0.14	0.04	0.00	0.12	0.18
Don't know	0.74	0.95	0.92	0.42	0.26	1.02	0.76
<i>n</i>	6768	2005	2164	2599	1527	2463	2778
<b>&lt;GL3A&gt; Where else do you make lighting purchases?</b>							
Drug stores	0.49	0.65	0.37	0.46	0.72	0.37	0.47
Grocery stores	1.11	1.00	1.20	1.12	1.70	0.93	0.94
Convenience stores	0.38	0.65	0.37	0.19	0.33	0.37	0.43
Small Hardware stores	7.68	12.12	6.89	4.92	11.72	6.45	6.55
Large hardware stores (Home Depot/Lowes)	13.03	13.72	13.31	12.27	17.94	12.78	10.55
Club stores (Costco/Sam's club)	3.55	3.74	3.05	3.81	5.57	3.45	2.52
Online	0.95	0.85	1.20	0.81	1.31	1.06	0.65
Directly from distributor or contractor	3.12	3.79	2.77	2.88	4.85	2.76	2.48
Mass merchandise stores (Target/Walmart/	2.73	2.34	2.26	3.42	3.86	2.44	2.38
Lighting stores	3.12	3.29	2.87	3.19	4.85	2.35	2.84
Electronic stores (Frys/Bestbuy)	0.83	0.70	0.92	0.85	0.72	0.93	0.79
Discount stores (Smart&Final/99 cent sto	0.52	0.55	0.55	0.46	1.05	0.41	0.32
Electrical Supply Stores	0.44	0.30	0.60	0.42	0.65	0.45	0.32
Office Supply Stores	0.35	0.15	0.46	0.42	0.46	0.32	0.32
Hotel/Restaurant/Janitorial/Industrial Supplier	0.34	0.60	0.23	0.23	0.79	0.32	0.11
Catalogue	0.18	0.30	0.14	0.12	0.33	0.20	0.07
No Where Else	60.47	55.41	61.55	63.46	44.79	63.60	66.31
Other -record	0.01	0.00	0.00	0.04	0.00	0.00	0.04
REFUSED	0.15	0.15	0.14	0.15	0.07	0.12	0.22
DON'T KNOW	1.18	0.80	1.57	1.15	0.39	1.26	1.55
<i>n</i>	6769	2005	2164	2600	1527	2464	2778
<b>&lt;S1&gt; Before this call today, had you ever heard of CFLs...compact fluorescent bulbs?</b>							
YES	71.49	77.61	70.17	68.14	86.97	71.54	64.16
NO	26.67	20.14	28.67	29.78	11.50	26.95	33.56
REFUSED	0.07	0.08	0.04	0.09	0.00	0.20	0.00
DON'T KNOW	1.77	2.17	1.12	1.99	1.53	1.31	2.28
<i>n</i>	8344	2398	2581	3365	1696	3046	3602
<b>&lt;S2&gt; Before today, were you familiar with CFLs?</b>							
YES	62.63	64.80	62.99	61.29	100.00	63.21	55.85
NO	35.39	33.15	35.84	36.19	0.00	34.37	42.14
REFUSED	0.38	0.75	0.13	0.37	0.00	1.04	0.00
DON'T KNOW	1.60	1.30	1.04	2.15	0.00	1.38	2.01
<i>n</i>	2379	537	770	1072	221	867	1291
<b>&lt;S3&gt; Do you currently have any CFLs installed inside or outside your facility. This does not include CFLs in storage or any CFLs that are not in a fixture.</b>							
YES	49.35	55.27	49.91	44.47	100.00	57.02	14.12
NO	47.16	41.96	46.78	51.36	0.00	39.64	80.31
REFUSED	0.03	0.05	0.04	0.00	0.00	0.07	0.00
DON'T KNOW	3.46	2.72	3.27	4.17	0.00	3.26	5.57
<i>n</i>	7455	2209	2296	2950	1696	2727	3032



	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;S3A&gt; Which types of CFLs do you have INSTALLED in your facility, screw-in, pin-based or both?</b>							
Screw in	53.37	59.98	50.87	49.43	67.32	52.93	0.00
Pin based	17.69	12.25	17.98	22.56	0.30	20.15	77.80
Both	24.26	24.34	26.44	22.16	32.14	22.25	0.00
Neither	1.95	1.37	1.48	2.92	0.12	2.65	6.78
REFUSED	0.03	0.00	0.09	0.00	0.00	0.07	0.00
DON'T KNOW	2.71	2.06	3.14	2.92	0.12	1.95	15.42
	<i>n</i> 3545	1167	1146	1232	1683	1434	428
<b>&lt;S4&gt; Do you have any regular screw in light bulbs (medium screwbase incandescent) installed inside or outside your facility?</b>							
YES	40.19	41.45	44.47	36.32	0.00	39.20	40.67
NO	57.11	55.53	52.98	61.05	0.00	57.62	56.86
REFUSED	0.11	0.09	0.28	0.00	0.00	0.34	0.00
DON'T KNOW	2.59	2.94	2.27	2.63	0.00	2.84	2.47
	<i>n</i> 4509	1158	1410	1941	0	1477	3032
<b>&lt;AA1&gt; How many CFLs do you have installed in windowed offices?</b>							
0	47.86	44.15	48.31	51.34	46.93	49.12	0.00
1 to 10	26.14	27.50	26.64	24.28	27.24	24.64	0.00
11 to 50	10.49	9.80	10.84	10.90	11.44	9.20	0.00
51 to 100	0.98	1.14	1.35	0.50	0.88	1.12	0.00
More than 100	0.95	0.95	0.68	1.19	0.71	1.28	0.00
Not applicable	10.59	13.42	8.80	9.22	10.44	10.80	0.00
Don't know	2.99	3.04	3.39	2.58	2.36	3.84	0.00
	<i>n</i> 2946	1051	886	1009	1696	1250	0
<b>&lt;AA2&gt; How many CFLs do you have installed in NON windowed offices?</b>							
0	53.82	49.48	56.21	56.25	52.83	55.16	0.00
1 to 10	20.20	19.70	18.28	22.42	21.82	18.01	0.00
11 to 50	7.06	6.18	7.90	7.24	7.72	6.16	0.00
51 to 100	0.92	1.05	1.24	0.50	1.00	0.80	0.00
More than 100	0.75	0.48	0.79	0.99	0.65	0.88	0.00
Not applicable	14.97	20.08	14.00	10.52	14.09	16.17	0.00
Don't know	2.28	3.04	1.58	2.08	1.89	2.80	0.00
	<i>n</i> 2945	1051	886	1008	1696	1249	0
<b>&lt;AA3&gt; How many CFLs do you have installed in Hallways?</b>							
0	51.73	48.24	50.00	56.90	50.38	53.56	0.00
1 to 10	25.31	25.88	26.30	23.83	27.73	22.02	0.00
11 to 50	9.44	9.80	10.27	8.34	9.26	9.69	0.00
51 to 100	1.63	1.62	1.47	1.79	1.65	1.60	0.00
More than 100	1.15	0.95	1.92	0.70	1.06	1.28	0.00
Not applicable	8.49	10.94	7.90	6.45	8.02	9.13	0.00
Don't know	2.24	2.57	2.14	1.99	1.89	2.72	0.00
	<i>n</i> 2944	1051	886	1007	1695	1249	0
<b>&lt;AA4&gt; How many CFLs do you have installed in storage areas?</b>							
0	52.43	47.29	51.47	58.63	49.88	55.88	0.00
1 to 10	34.43	37.58	35.21	30.46	37.97	29.62	0.00
11 to 50	5.47	5.33	6.77	4.46	6.19	4.48	0.00
51 to 100	0.24	0.38	0.11	0.20	0.12	0.40	0.00
More than 100	0.27	0.38	0.34	0.10	0.29	0.24	0.00
Not applicable	4.72	5.99	3.95	4.07	3.66	6.16	0.00
Don't know	2.44	3.04	2.14	2.08	1.89	3.20	0.00
	<i>n</i> 2945	1051	886	1008	1696	1249	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;AA5&gt; How many CFLs do you have installed in the KITCHEN?</b>							
0	58.22	52.86	60.00	61.49	55.65	61.80	0.00
1 to 5	19.72	20.00	17.60	21.12	20.97	17.98	0.00
6 to 10	11.50	7.14	15.20	12.42	11.29	11.80	0.00
11 to 50	3.05	5.00	2.40	1.86	2.82	3.37	0.00
51 to 100	0.24	0.71	0.00	0.00	0.00	0.56	0.00
Not applicable	6.10	12.14	4.00	2.48	8.47	2.81	0.00
Don't know	1.17	2.14	0.80	0.62	0.81	1.69	0.00
	<i>n</i> 426	140	125	161	248	178	0
<b>&lt;AA6&gt; How many CFLs do you have installed in the dining area?</b>							
0	37.79	41.43	32.80	38.51	31.45	46.63	0.00
1 to 10	23.01	14.29	30.40	24.85	22.18	24.16	0.00
11 to 50	28.87	27.14	34.40	26.09	33.47	22.47	0.00
51 to 100	2.58	1.43	0.80	4.97	2.82	2.25	0.00
More than 100	0.70	0.71	0.80	0.62	1.21	0.00	0.00
Not applicable	5.63	12.86	0.80	3.11	7.26	3.37	0.00
Don't know	1.41	2.14	0.00	1.86	1.61	1.12	0.00
	<i>n</i> 426	140	125	161	248	178	0
<b>&lt;AA7&gt; How many CFLs do you have installed in retail space?</b>							
0	50.60	54.78	59.26	42.03	41.81	60.51	0.00
1 to 10	22.46	20.00	20.99	25.36	28.81	15.29	0.00
11 to 50	17.07	15.65	14.81	19.57	20.34	13.38	0.00
51 to 100	4.19	3.48	0.00	7.25	5.65	2.55	0.00
More than 100	1.20	0.87	1.23	1.45	0.00	2.55	0.00
Not applicable	0.90	0.87	0.00	1.45	1.13	0.64	0.00
Don't know	3.59	4.35	3.70	2.90	2.26	5.10	0.00
	<i>n</i> 334	115	81	138	177	157	0
<b>&lt;AA8&gt; How many CFLs do you have installed in the warehouse?</b>							
0	73.33	77.78	68.42	76.47	72.00	75.00	0.00
1 to 5	13.33	11.11	21.05	5.88	8.00	20.00	0.00
6 to 10	2.22	0.00	5.26	0.00	4.00	0.00	0.00
11 to 50	4.44	0.00	5.26	5.88	4.00	5.00	0.00
More than 100	2.22	0.00	0.00	5.88	4.00	0.00	0.00
Not applicable	2.22	0.00	0.00	5.88	4.00	0.00	0.00
Don't know	2.22	11.11	0.00	0.00	4.00	0.00	0.00
	<i>n</i> 45	9	19	17	25	20	0
<b>&lt;AA9&gt; How many CFLs do you have installed in patient/exam rooms?</b>							
0	64.50	77.55	72.50	52.50	69.79	57.53	0.00
1 to 5	13.02	12.24	7.50	16.25	13.54	12.33	0.00
6 to 10	7.10	2.04	5.00	11.25	6.25	8.22	0.00
11 to 50	4.73	2.04	0.00	8.75	4.17	5.48	0.00
51 to 100	1.18	0.00	2.50	1.25	1.04	1.37	0.00
More than 100	2.37	0.00	2.50	3.75	2.08	2.74	0.00
Not applicable	5.33	6.12	7.50	3.75	3.13	8.22	0.00
Don't know	1.78	0.00	2.50	2.50	0.00	4.11	0.00
	<i>n</i> 169	49	40	80	96	73	0
<b>&lt;AA10&gt; How many CFLs do you have installed in classrooms?</b>							
0	57.95	66.67	67.86	42.42	60.00	54.55	0.00
1 to 5	6.82	0.00	3.57	15.15	7.27	6.06	0.00
6 to 10	9.09	11.11	0.00	15.15	10.91	6.06	0.00
11 to 50	11.36	11.11	10.71	12.12	10.91	12.12	0.00
Not applicable	10.23	3.70	17.86	9.09	10.91	9.09	0.00
Don't know	4.55	7.41	0.00	6.06	0.00	12.12	0.00
	<i>n</i> REFUSED	27	28	33	55	33	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;AA11&gt; How many CFLs do you have installed in the lobby?</b>							
0	41.46	36.12	45.81	49.25	40.73	42.42	0.00
1 to 5	21.76	24.34	20.20	16.42	21.85	21.65	0.00
6 to 10	11.45	9.89	12.32	14.93	12.58	9.96	0.00
11 to 50	12.57	14.07	9.85	14.93	10.93	14.72	0.00
51 to 100	0.19	0.00	0.49	0.00	0.00	0.43	0.00
More than 100	0.38	0.76	0.00	0.00	0.00	0.87	0.00
Not applicable	9.01	8.37	11.33	4.48	9.60	8.23	0.00
Don't know	3.19	6.46	0.00	0.00	4.31	1.73	0.00
<i>n</i>	533	263	203	67	302	231	0
<b>&lt;AA12&gt; How many CFLs do you have installed in guestrooms?</b>							
0	11.92	10.20	11.94	18.75	11.11	13.00	0.00
1 to 10	11.54	14.90	7.46	10.94	10.77	12.56	0.00
11 to 50	22.50	24.71	23.88	9.38	25.25	18.83	0.00
51 to 100	15.96	14.51	16.92	18.75	14.82	17.49	0.00
More than 100	30.77	25.10	36.82	34.38	30.64	30.94	0.00
Not applicable	2.12	2.35	1.99	1.56	2.02	2.24	0.00
Don't know	5.19	8.24	1.00	6.25	5.39	4.93	0.00
<i>n</i>	520	255	201	64	297	223	0
<b>&lt;AA13&gt; How many CFLs do you have installed in restrooms?</b>							
0	42.16	41.05	42.83	42.74	40.98	43.78	0.00
1 to 10	44.37	44.38	42.49	46.02	46.29	41.77	0.00
11 to 50	6.12	6.10	6.78	5.57	6.43	5.70	0.00
51 to 100	1.05	1.05	1.24	0.89	0.88	1.29	0.00
More than 100	0.51	0.48	0.79	0.30	0.53	0.48	0.00
Not applicable	3.47	4.29	3.73	2.39	3.07	4.02	0.00
Don't know	2.31	2.67	2.15	2.09	1.83	2.97	0.00
<i>n</i>	2941	1050	885	1006	1696	1245	0
<b>&lt;AA14A_1&gt; Do you have CFLs installed in other areas we haven't discussed?</b>							
No where else	68.66	65.42	67.72	72.84	66.59	71.49	0.00
BAR	0.65	1.44	0.23	0.20	0.65	0.64	0.00
Office/Work Area	1.02	0.67	1.36	1.09	1.18	0.80	0.00
Porch/Balcony Area	1.60	1.92	1.47	1.39	1.95	1.12	0.00
Dining Area	0.44	0.67	0.34	0.30	0.47	0.40	0.00
Livingroom	0.44	0.57	0.23	0.50	0.41	0.48	0.00
Laundry Area	0.75	0.96	1.13	0.20	0.71	0.80	0.00
Play Room/Recreation Room	0.65	0.86	0.57	0.50	0.65	0.64	0.00
Kitchen Area	1.57	1.44	1.93	1.39	1.71	1.37	0.00
Outdoor/Exterior/Landscape/Walkway	11.82	12.55	12.34	10.60	12.95	10.28	0.00
Waiting Room/Lobby/Entrance/Hallways	2.28	2.01	2.38	2.48	2.37	2.17	0.00
Basement/Storage/Attic	0.31	0.77	0.00	0.10	0.35	0.24	0.00
Lamps (Table or Desk)	0.20	0.48	0.11	0.00	0.18	0.24	0.00
Conf/Meeting/Hall/Common Rooms	1.81	1.82	2.61	1.09	2.01	1.53	0.00
Bedrooms	0.54	0.67	0.57	0.40	0.59	0.48	0.00
Showroom/Studio/Warehouse	0.51	0.77	0.23	0.50	0.41	0.64	0.00
Closet/Cabinet	0.41	0.29	0.45	0.50	0.41	0.40	0.00
Stairwell/Stairs/Landing	0.34	0.29	0.23	0.50	0.41	0.24	0.00
Parking Area	0.51	0.29	0.68	0.59	0.35	0.72	0.00
Apartment (General)/Hotel Units/Guest Rooms	0.61	0.96	0.57	0.30	0.95	0.16	0.00
Restaurant	0.34	0.57	0.23	0.20	0.41	0.24	0.00
Exit Areas	0.07	0.19	0.00	0.00	0.06	0.08	0.00
Refrigerated Area	0.95	0.57	0.68	1.59	0.95	0.96	0.00
First Other Location @ - describe	2.79	3.26	3.40	1.78	2.84	2.73	0.00
DONT KNOW	0.72	0.57	0.57	0.99	0.41	1.12	0.00
<i>n</i>	2936	1044	883	1009	1691	1245	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;AA14A_2&gt; How many CFLs do you have installed in this area?</b>							
0	0.11	0.00	0.36	0.00	0.00	0.29	0.00
1 to 10	64.62	64.12	62.37	67.68	63.60	66.28	0.00
11 to 50	28.35	28.81	29.75	26.24	29.37	26.69	0.00
51 to 100	3.68	4.24	3.23	3.42	4.32	2.64	0.00
More than 100	2.12	1.98	2.15	2.28	2.16	2.05	0.00
Not applicable	0.22	0.28	0.36	0.00	0.00	0.59	0.00
Don't know	0.89	0.57	1.79	0.38	0.54	1.47	0.00
	<i>n</i>	896	354	279	263	555	341
<b>&lt;AA14B_1&gt; Do you have CFLs installed in another area we haven't discussed?</b>							
No where else	82.14	79.04	81.43	87.07	79.82	85.92	0.00
BAR	0.45	1.13	0.00	0.00	0.18	0.88	0.00
Office/Work Area	0.78	0.28	1.07	1.14	1.26	0.00	0.00
Porch/Balcony Area	1.00	0.57	1.43	1.14	0.90	1.17	0.00
Dining Area	0.34	0.57	0.36	0.00	0.36	0.29	0.00
Livingroom	0.56	1.13	0.00	0.38	0.72	0.29	0.00
Laundry Area	0.34	0.28	0.00	0.76	0.00	0.88	0.00
Play Room/Recreation Room	0.56	0.57	1.07	0.00	0.54	0.59	0.00
Kitchen Area	1.12	1.98	0.71	0.38	1.44	0.59	0.00
Outdoor/Exterior/Landscape/Walkway	4.02	5.10	5.00	1.52	4.14	3.81	0.00
Waiting Room/Lobby/Entrance/Hallways	0.78	0.57	0.71	1.14	1.26	0.00	0.00
Basement/Storage/Attic	0.34	0.85	0.00	0.00	0.36	0.29	0.00
Lamps (Table or Desk)	0.22	0.57	0.00	0.00	0.36	0.00	0.00
Conf/Meeting/Hall/Common Rooms	0.89	0.57	1.79	0.38	1.26	0.29	0.00
Bedrooms	0.22	0.00	0.36	0.38	0.36	0.00	0.00
Showroom/Studio/Warehouse	0.11	0.00	0.36	0.00	0.18	0.00	0.00
Closet/Cabinet	0.11	0.00	0.00	0.38	0.00	0.29	0.00
Parking Area	0.78	0.28	1.43	0.76	0.90	0.59	0.00
Apartment (General)/Hotel Units/Guest Rooms	0.56	0.85	0.36	0.38	0.36	0.88	0.00
Exit Areas	0.22	0.00	0.36	0.38	0.36	0.00	0.00
Refrigerated Area	0.45	0.85	0.00	0.38	0.54	0.29	0.00
Elevator	0.45	0.85	0.36	0.00	0.72	0.00	0.00
First Other Location @ - describe	3.24	3.68	2.50	3.42	3.60	2.64	0.00
DON'T KNOW	0.34	0.28	0.71	0.00	0.36	0.29	0.00
	<i>n</i>	896	353	280	263	555	341
<b>&lt;AA14B_2&gt; How many CFLs do you have installed in this area?</b>							
0	0.64	0.00	0.00	2.94	0.91	0.00	0.00
1 to 5	64.33	63.01	58.00	76.47	61.82	70.21	0.00
6 to 10	29.94	30.14	36.00	20.59	33.64	21.28	0.00
11 to 50	2.55	5.48	0.00	0.00	1.82	4.26	0.00
51 to 100	1.27	1.37	2.00	0.00	0.00	4.26	0.00
Don't know	1.27	0.00	4.00	0.00	1.82	0.00	0.00
	<i>n</i>	157	73	50	34	110	47
<b>&lt;AA14C_1&gt; Do you have CFLs installed in another area we haven't discussed?</b>							
No where else	79.62	82.19	78.00	76.47	79.09	80.85	0.00
BAR	0.64	1.37	0.00	0.00	0.91	0.00	0.00
Office/Work Area	0.64	1.37	0.00	0.00	0.00	2.13	0.00
Porch/Balcony Area	0.64	1.37	0.00	0.00	0.91	0.00	0.00
Dining Area	0.64	1.37	0.00	0.00	0.91	0.00	0.00
Livingroom	0.64	1.37	0.00	0.00	0.91	0.00	0.00
Laundry Area	1.27	0.00	2.00	2.94	0.91	2.13	0.00
Play Room/Recreation Room	1.27	2.74	0.00	0.00	0.91	2.13	0.00
Kitchen Area	0.64	1.37	0.00	0.00	0.00	2.13	0.00
Outdoor/Exterior/Landscape/Walkway	7.01	2.74	12.00	8.82	7.27	6.38	0.00
Waiting Room/Lobby/Entrance/Hallways	0.64	0.00	2.00	0.00	0.91	0.00	0.00
Lamps (Table or Desk)	0.64	0.00	2.00	0.00	0.91	0.00	0.00
Conf/Meeting/Hall/Common Rooms	0.64	0.00	0.00	2.94	0.91	0.00	0.00
First Other Location @ - describe	5.10	4.11	4.00	8.82	5.46	4.26	0.00
	<i>n</i>	157	73	50	34	110	47
<b>&lt;AA14C_2&gt; How many CFLs do you have installed in this area?</b>							
1 to 5	41.94	46.15	50.00	25.00	40.91	44.44	0.00

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
6 to 10	16.13	7.69	20.00	25.00	13.64	22.22	0.00
11 to 50	35.48	46.15	20.00	37.50	40.91	22.22	0.00
51 to 100	6.45	0.00	10.00	12.50	4.55	11.11	0.00
<i>n</i>	31	13	10	8	22	9	0
<b>&lt;AB1&gt; In the past two years have you removed any CFLs before they burned out?</b>							
YES	7.57	8.66	6.66	7.23	8.49	6.32	0.00
NO	90.22	89.06	90.41	91.28	90.04	90.48	0.00
REFUSED	0.03	0.00	0.00	0.10	0.06	0.00	0.00
DON'T KNOW	2.17	2.28	2.94	1.39	1.42	3.20	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0
<b>&lt;AB2&gt; Why did you remove them before they burned out?</b>							
Didn't like color	7.62	6.59	8.47	8.22	9.03	5.06	0.00
Took too long to start up	4.04	3.30	3.39	5.48	4.17	3.80	0.00
Wasn't bright enough	28.70	28.57	27.12	30.14	22.22	40.51	0.00
Didn't like the way it looked	6.28	8.79	6.78	2.74	6.25	6.33	0.00
Didn't fit	3.14	3.30	6.78	0.00	2.08	5.06	0.00
Made noise/buzzed	1.35	1.10	0.00	2.74	0.69	2.53	0.00
Didn't work in dimmer switch	6.73	9.89	5.08	4.11	7.64	5.06	0.00
Wasn't available in 3-way	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flickering	4.04	3.30	1.69	6.85	4.17	3.80	0.00
Replace all at once when even one light burned out	3.59	4.40	0.00	5.48	4.17	2.53	0.00
Want new lighting/Updating property/Remodeling/Changing Location	9.87	9.89	11.86	8.22	10.42	8.86	0.00
Defective bulb/Broken bulb/Did not work	14.35	13.19	15.25	15.07	15.97	11.39	0.00
RECORD Reason	15.70	13.19	18.64	16.44	17.36	12.66	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	2.69	2.20	1.69	4.11	2.78	2.53	0.00
<i>n</i>	223	91	59	73	144	79	0
<b>&lt;CC1A&gt; I understand that most of your lighting purchases are made by your property manager but has anyone in your office purchased any CFLs on their own for your facility at a RETAIL STORE __ SINCE 2006?</b>							
YES	34.57	40.00	36.84	28.13	100.00	0.00	0.00
NO	60.49	56.67	47.37	71.88	0.00	92.45	0.00
DON'T KNOW	4.94	3.33	15.79	0.00	0.00	7.55	0.00
<i>n</i>	81	30	19	32	28	53	0
<b>&lt;CC1AA&gt; I understand that most of your lighting purchases are made by your contractor but has anyone at your firm purchased any CFLs on their own for your facility at a RETAIL STORE __ SINCE 2006?</b>							
YES	37.50	54.55	28.57	31.82	100.00	0.00	0.00
NO	62.50	45.45	71.43	68.18	0.00	100.00	0.00
<i>n</i>	40	11	7	22	15	25	0
<b>&lt;CC_GIVE&gt; Did you receive any CFLs either through a utility giveaway or from a friend, co-worker or family?</b>							
utility giveaway	11.90	9.09	0.00	15.00	8.33	13.33	0.00
NO	83.33	86.36	0.00	80.00	83.33	83.33	0.00
DON'T KNOW	4.76	4.55	0.00	5.00	8.33	3.33	0.00
<i>n</i>	42	22	0	20	12	30	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;C1&gt; Earlier you stated that your firm purchased most of your general lighting equipment needs. Now I would like to find out if your firm has acquired any CFLs since January 2006 ...</b>							
Through a utility giveaway/>	13.69	12.75	0.00	15.47	12.88	14.56	0.00
A contractor	3.52	3.19	0.00	4.15	2.78	4.31	0.00
Property management	0.65	0.40	0.00	1.13	0.51	0.81	0.00
A retail store OR	15.65	13.75	0.00	19.25	28.28	2.16	0.00
A friend or family member?	1.70	1.59	0.00	1.89	1.52	1.89	0.00
NONE OF THESE	62.71	66.14	0.00	56.23	54.55	71.43	0.00
Somewhere else -specify	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REFUSED	0.13	0.00	0.00	0.38	0.00	0.27	0.00
DONT KNOW	3.52	3.98	0.00	2.64	2.27	4.85	0.00
<i>n</i>	767	502	0	265	396	371	0
<b>&lt;RET1&gt; Has any one at your firm purchased CFLs from a retail store for your business since 2006?</b>							
YES	64.17	70.46	57.71	65.00	100.00	2.56	0.00
NO	29.69	24.30	34.88	29.38	0.00	80.76	0.00
DONT KNOW	6.13	5.24	7.42	5.63	0.00	16.69	0.00
<i>n</i>	2445	782	863	800	1546	899	0
<b>&lt;RET2&gt; Have you received any CFLs from a UTILITY GIVEAWAY since 2006 FOR YOUR BUSINESS?</b>							
YES	14.06	11.88	15.58	14.56	11.58	18.09	100.00
NO	82.57	85.38	80.93	81.62	85.88	77.18	0.00
DONT KNOW	3.37	2.75	3.50	3.82	2.54	4.73	0.00
<i>n</i>	2524	800	886	838	1572	951	1
<b>&lt;RET2A&gt; From which UTILITY did you receive the CFLs?</b>							
PG&E	24.71	89.13	2.92	0.00	30.77	18.07	0.00
SDGE	31.61	0.00	0.73	91.60	31.87	31.33	0.00
SCE	31.32	0.00	77.37	2.52	25.82	37.35	0.00
OTHER UTILITY	6.32	4.35	11.68	1.68	6.59	6.02	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	6.32	6.52	8.03	4.20	4.95	7.83	0.00
<i>n</i>	348	92	137	119	182	166	0
<b>&lt;C1A&gt; How many CFLs were you given to you through the utility giveaway?</b>							
0	1.89	2.78	1.45	1.60	1.59	2.20	0.00
1 to 10	36.66	35.19	35.51	39.20	39.68	33.52	0.00
11 to 50	26.95	27.78	25.36	28.00	27.51	26.37	0.00
51 to 100	8.63	12.04	8.70	5.60	9.52	7.69	0.00
More than 100	14.29	13.89	13.04	16.00	12.70	15.93	0.00
Don't know	11.59	8.33	15.94	9.60	9.00	14.29	0.00
<i>n</i>	371	108	138	125	189	182	0
<b>&lt;RET3&gt; Have you received any CFLs from a CONTRACTOR since 2006 for your business?</b>							
YES	5.36	4.64	4.40	7.07	4.26	7.18	0.00
NO	93.09	94.74	93.91	90.66	94.78	90.29	0.00
DONT KNOW	1.55	0.63	1.69	2.28	0.95	2.53	0.00
<i>n</i>	2519	798	886	835	1572	947	0
<b>&lt;RET3A&gt; How many CFLs were you given to you by your contractor?</b>							
0	3.76	2.86	2.56	5.08	3.08	4.41	0.00
1 to 10	38.35	40.00	46.15	32.20	40.00	36.76	0.00
11 to 50	30.83	20.00	33.33	35.59	33.85	27.94	0.00
51 to 100	5.26	14.29	2.56	1.69	7.69	2.94	0.00
More than 100	11.28	11.43	7.69	13.56	10.77	11.76	0.00
Don't know	10.53	11.43	7.69	11.86	4.62	16.18	0.00
<i>n</i>	133	35	39	59	65	68	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;RET4&gt; Have you received any CFLs from a PROPERTY MANAGER since 2006 for your business?</b>							
YES	1.67	1.38	1.58	2.04	1.72	1.58	0.00
NO	97.34	98.50	97.40	96.17	97.77	96.62	0.00
DON'T KNOW	0.99	0.13	1.02	1.80	0.51	1.80	0.00
	<i>n</i>	2519	798	886	1572	947	0
<b>&lt;RET4A&gt; How many CFLs were you given to you from your property manager?</b>							
0	4.76	0.00	14.29	0.00	3.70	6.67	0.00
1 to 5	33.33	36.36	14.29	47.06	33.33	33.33	0.00
6 to 10	19.05	18.18	35.71	5.88	11.11	33.33	0.00
11 to 50	26.19	27.27	14.29	35.29	29.63	20.00	0.00
51 to 100	4.76	9.09	7.14	0.00	7.41	0.00	0.00
More than 100	2.38	0.00	7.14	0.00	3.70	0.00	0.00
Don't know	9.52	9.09	7.14	11.76	11.11	6.67	0.00
	<i>n</i>	42	11	14	17	15	0
<b>&lt;RET5&gt; Have you received any CFLs from a friend or family member since 2006 for your business?</b>							
YES	2.70	2.63	2.94	2.52	2.80	2.53	0.00
NO	96.19	96.62	96.05	95.93	96.44	95.78	0.00
DON'T KNOW	1.11	0.75	1.02	1.56	0.76	1.69	0.00
	<i>n</i>	2519	798	886	1572	947	0
<b>&lt;C1AA&gt; How many CFLs were given to you from family and friends?</b>							
0	1.47	0.00	3.85	0.00	2.27	0.00	0.00
1 to 5	42.65	42.86	34.62	52.38	40.91	45.83	0.00
6 to 10	22.06	19.05	26.92	19.05	22.73	20.83	0.00
11 to 50	26.47	38.10	19.23	23.81	29.55	20.83	0.00
More than 100	1.47	0.00	3.85	0.00	0.00	4.17	0.00
Don't know	5.88	0.00	11.54	4.76	4.55	8.33	0.00
	<i>n</i>	68	21	26	44	24	0
<b>&lt;RET6&gt; From what other sources have you obtained CFLs since 2006 for your business?</b>							
NONE	92.29	94.32	91.71	90.95	92.65	91.68	0.00
Wholesale/ Distributor / Supplier	1.08	1.01	1.14	1.09	0.64	1.81	0.00
Membership Stores (Costco/Sams Club)	0.52	0.25	0.57	0.72	0.77	0.11	0.00
Large Home Improvement (Home Depot/Lowes)	1.32	0.63	1.36	1.93	1.85	0.43	0.00
Small hardware/ lighting /electric store	0.88	0.63	0.80	1.21	1.28	0.21	0.00
OPEN, record response	2.76	2.27	3.07	2.90	2.49	3.20	0.00
DON'T KNOW	1.16	0.88	1.36	1.21	0.32	2.56	0.00
	<i>n</i>	2502	792	881	1564	938	0
<b>&lt;RET6A&gt; How many CFLs were you given to you from this/these source(s)?</b>							
0	14.58	11.54	10.81	21.21	19.23	9.09	0.00
1 to 5	18.75	7.69	16.22	30.30	21.15	15.91	0.00
6 to 10	10.42	11.54	10.81	9.09	5.77	15.91	0.00
11 to 50	26.04	30.77	24.32	24.24	30.77	20.45	0.00
51 to 100	7.29	0.00	13.51	6.06	1.92	13.64	0.00
More than 100	7.29	3.85	10.81	6.06	9.62	4.55	0.00
Refused	1.04	3.85	0.00	0.00	1.92	0.00	0.00
Don't know	14.58	30.77	13.51	3.03	9.62	20.45	0.00
	<i>n</i>	96	26	37	33	52	44
<b>&lt;C1B&gt; From which utility did you receive the CFLs from?</b>							
PG&E	52.78	89.06	0.00	0.00	60.78	45.61	0.00
SDG&E	34.26	0.00	0.00	84.09	35.29	33.33	0.00
SCE	0.93	0.00	0.00	2.27	0.00	1.75	0.00
Another utility-specify	5.56	7.81	0.00	2.27	1.96	8.77	0.00
DON'T KNOW	6.48	3.13	0.00	11.36	1.96	10.53	0.00
	<i>n</i>	108	64	0	44	51	57

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;CC1B&gt; How many CFLs has your organization purchased since January 1,2006 from RETAIL STORES? If a package contained multiple CFLs, please count each bulb seperately</b>							
0	0.65	0.32	0.80	0.88	0.65	0.00	0.00
1 to 10	29.01	25.80	24.95	36.08	29.01	0.00	0.00
11 to 50	40.33	44.07	36.73	39.41	40.33	0.00	0.00
51 to 100	10.97	11.70	12.58	8.76	10.97	0.00	0.00
More than 100	9.96	9.94	13.77	6.66	9.96	0.00	0.00
Refused	0.12	0.00	0.40	0.00	0.12	0.00	0.00
Don't know	8.96	8.17	10.78	8.23	8.96	0.00	0.00
n	1696	624	501	571	1696	0	0
<b>&lt;C2006&gt; What PERCENT of the bulbs did you purchase in 2006?</b>							
0	33.44	27.12	32.35	41.54	33.40	42.86	0.00
1 to 5	0.77	0.85	0.91	0.58	0.78	0.00	0.00
6 to 10	3.36	3.73	2.73	3.46	3.37	0.00	0.00
11 to 50	40.22	43.22	41.69	35.58	40.34	14.29	0.00
51 to 100	10.91	12.03	11.16	9.42	10.89	14.29	0.00
More than 100	11.30	13.05	11.16	9.42	11.22	28.57	0.00
n	1549	590	439	520	1542	7	0
<b>&lt;C2007&gt; And what PERCENT in 2007?</b>							
0	25.65	20.54	27.11	30.19	25.63	28.57	0.00
1 to 5	0.45	0.68	0.23	0.39	0.45	0.00	0.00
6 to 10	3.17	2.72	3.87	3.08	3.18	0.00	0.00
11 to 50	49.68	53.82	49.89	44.81	49.71	42.86	0.00
51 to 100	11.18	9.85	9.57	14.04	11.23	0.00	0.00
More than 100	9.88	12.39	9.34	7.50	9.80	28.57	0.00
n	1548	589	439	520	1541	7	0
<b>&lt;C2008&gt; And what PERCENT in 2008?</b>							
0	19.44	18.34	18.00	21.92	19.53	0.00	0.00
1 to 5	0.52	0.85	0.23	0.39	0.52	0.00	0.00
6 to 10	2.20	2.04	2.05	2.50	2.21	0.00	0.00
11 to 50	43.73	47.88	46.47	36.73	43.74	42.86	0.00
51 to 100	25.39	19.69	24.37	32.69	25.31	42.86	0.00
More than 100	8.72	11.21	8.88	5.77	8.70	14.29	0.00
n	1548	589	439	520	1541	7	0
<b>&lt;CFL_1A&gt; Where did you purchase the majority of these bulbs?</b>							
99 cent mart	0.06	0.17	0.00	0.00	0.06	0.00	0.00
99 cents only	0.26	0.00	0.46	0.39	0.26	0.00	0.00
99 ranch	0.06	0.00	0.23	0.00	0.06	0.00	0.00
Ace hardware	4.33	6.63	4.10	1.92	4.35	0.00	0.00
Ace Maint Mart	0.39	0.51	0.23	0.39	0.39	0.00	0.00
Albertsons/Luckys	0.52	0.17	0.68	0.77	0.52	0.00	0.00
All American Home Center	0.06	0.00	0.00	0.19	0.06	0.00	0.00
B&B Hardware	0.06	0.17	0.00	0.00	0.06	0.00	0.00
Big Lots	0.32	0.00	0.46	0.58	0.32	0.00	0.00
Cal Do It Center	0.39	0.00	1.37	0.00	0.39	0.00	0.00
Cole Hardware	0.13	0.34	0.00	0.00	0.13	0.00	0.00
Contractor's Warehouse	0.06	0.17	0.00	0.00	0.06	0.00	0.00
Costco	15.00	19.73	10.25	13.65	15.06	0.00	0.00
CVS/Sav On Drugs	0.26	0.34	0.23	0.19	0.26	0.00	0.00
Del Mar Supermarket	0.06	0.00	0.00	0.19	0.06	0.00	0.00
Dixieline Lumber	1.23	0.00	0.00	3.65	1.23	0.00	0.00
Dollar Tree	0.26	0.34	0.46	0.00	0.26	0.00	0.00
Food 4 Less	0.13	0.00	0.00	0.39	0.13	0.00	0.00
Foothill Builders Mart	0.06	0.17	0.00	0.00	0.06	0.00	0.00
Friedman Brothers Hardware	0.19	0.51	0.00	0.00	0.19	0.00	0.00
Grocery Outlet	0.32	0.68	0.00	0.19	0.32	0.00	0.00
Home Depot	45.64	34.86	52.39	52.12	45.65	42.86	0.00
Light Bulbs Etc	0.06	0.00	0.23	0.00	0.06	0.00	0.00
Light Bulbs Unlimited	0.39	0.00	0.00	1.15	0.39	0.00	0.00
Light Concern	0.06	0.17	0.00	0.00	0.06	0.00	0.00
Longs Drugs	0.39	0.51	0.00	0.58	0.39	0.00	0.00



	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
Lowe's	6.08	4.76	9.11	5.00	6.10	0.00	0.00
Orchard Supply	1.87	3.40	2.05	0.00	1.88	0.00	0.00
Ralphs	0.26	0.00	0.91	0.00	0.26	0.00	0.00
Rite Aid	0.58	0.85	0.46	0.39	0.58	0.00	0.00
Smart and Final	0.90	0.34	1.60	0.96	0.91	0.00	0.00
Stater Bros	0.26	0.00	0.46	0.39	0.26	0.00	0.00
Tashman's Hardware	0.06	0.00	0.00	0.19	0.06	0.00	0.00
True Value Hardware	0.78	1.19	0.23	0.77	0.78	0.00	0.00
Walgreen's	0.26	0.68	0.00	0.00	0.26	0.00	0.00
Wal Mart	2.97	3.57	2.05	3.08	2.99	0.00	0.00
Target	0.32	0.34	0.46	0.19	0.32	0.00	0.00
Sam's club	1.10	1.02	2.05	0.39	0.97	28.57	0.00
Other -RECORD	9.31	12.42	6.38	8.27	9.22	28.57	0.00
Granger	0.58	0.85	0.23	0.58	0.58	0.00	0.00
Regency Lighting	0.39	0.51	0.23	0.39	0.39	0.00	0.00
REFUSED	0.26	0.34	0.23	0.19	0.26	0.00	0.00
DON'T KNOW	3.30	4.25	2.51	2.89	3.31	0.00	0.00
<i>n</i>	1547	588	439	520	1540	7	0
<b>&lt;CFL_1B&gt; What is the store type?</b>							
Discount such as 99 cent, dollar store	0.44	0.00	2.13	0.00	0.45	0.00	0.00
Grocery	7.52	3.60	10.64	11.76	7.59	0.00	0.00
Small Hardware	26.99	34.23	25.53	16.18	27.23	0.00	0.00
Lighting & electronics	16.37	17.12	17.02	14.71	16.52	0.00	0.00
Drug	1.33	0.90	0.00	2.94	1.34	0.00	0.00
Large home improvement (Home depot, Lowe)	14.60	17.12	12.77	11.76	14.73	0.00	0.00
Mass merchandise (Wal-Mart, Target)	3.54	1.80	4.26	5.88	3.13	50.00	0.00
Membership stores (Costco, Sam's Club)	1.33	0.90	4.26	0.00	1.34	0.00	0.00
wholesale / distributor	3.54	2.70	4.26	4.41	3.57	0.00	0.00
Online store or order by phone only	3.54	5.41	2.13	1.47	3.57	0.00	0.00
Other RECORD STORE TYPE	9.29	6.31	4.26	17.65	8.93	50.00	0.00
REFUSED	1.77	1.80	2.13	1.47	1.79	0.00	0.00
DON'T KNOW	11.06	9.91	8.51	14.71	11.16	0.00	0.00
<i>n</i>	226	111	47	68	224	2	0
<b>&lt;CFL_2A&gt; What was the second retail store?</b>							
99 cents only	0.27	0.00	0.24	0.60	0.27	0.00	0.00
Ace hardware	3.29	5.70	2.35	1.39	3.31	0.00	0.00
Ace Maint Mart	0.27	0.54	0.24	0.00	0.27	0.00	0.00
Albertsons/Luckys	0.74	0.71	0.24	1.19	0.74	0.00	0.00
All American Home Center	0.07	0.00	0.24	0.00	0.07	0.00	0.00
B&B Hardware	0.07	0.00	0.24	0.00	0.07	0.00	0.00
BestWay Supermarket	0.07	0.00	0.00	0.20	0.07	0.00	0.00
Big Lots	0.27	0.00	0.71	0.20	0.27	0.00	0.00
Cal Do It Center	0.20	0.00	0.71	0.00	0.20	0.00	0.00
Cole Hardware	0.07	0.18	0.00	0.00	0.07	0.00	0.00
Contractor's Warehouse	0.07	0.00	0.00	0.20	0.07	0.00	0.00
Costco	4.70	4.64	6.35	3.38	4.72	0.00	0.00
Dixieline Lumber	0.87	0.00	0.00	2.58	0.81	14.29	0.00
Dollar Tree	0.07	0.18	0.00	0.00	0.07	0.00	0.00
Food 4 Less	0.13	0.36	0.00	0.00	0.13	0.00	0.00
Friedman Brothers Hardware	0.20	0.54	0.00	0.00	0.20	0.00	0.00
Ganahl Lumber	0.07	0.00	0.24	0.00	0.07	0.00	0.00
Home Depot	11.22	10.34	12.71	10.93	11.20	14.29	0.00
Lamps Plus	0.07	0.18	0.00	0.00	0.07	0.00	0.00
Light Bulbs Etc	0.20	0.00	0.47	0.20	0.20	0.00	0.00
Light Bulbs Unlimited	0.34	0.00	0.24	0.80	0.34	0.00	0.00
Longs Drugs	0.27	0.36	0.24	0.20	0.27	0.00	0.00
Lowe's	6.72	5.35	8.47	6.76	6.75	0.00	0.00
Orchard Supply	2.42	5.17	1.65	0.00	2.43	0.00	0.00
Ralphs	0.13	0.00	0.24	0.20	0.13	0.00	0.00
Rite Aid	0.34	0.18	0.24	0.60	0.34	0.00	0.00
Smart and Final	0.67	0.36	0.47	1.19	0.67	0.00	0.00
Tashman's Hardware	0.07	0.00	0.00	0.20	0.07	0.00	0.00
True Value Hardware	0.54	0.71	0.47	0.40	0.54	0.00	0.00

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
Valley Thrift Store	0.07	0.00	0.24	0.00	0.07	0.00	0.00
Walgreen's	0.20	0.00	0.47	0.20	0.20	0.00	0.00
Wal Mart	2.75	2.85	1.65	3.58	2.77	0.00	0.00
Target	0.40	0.36	0.24	0.60	0.40	0.00	0.00
Sam's club	0.13	0.18	0.00	0.20	0.13	0.00	0.00
Other -RECORD	6.92	8.20	7.29	5.17	6.88	14.29	0.00
NO WHERE ELSE	53.19	51.16	51.53	56.86	53.17	57.14	0.00
Granger	0.87	0.71	0.94	0.99	0.88	0.00	0.00
REFUSED	0.07	0.18	0.00	0.00	0.07	0.00	0.00
DONT KNOW	1.01	0.89	0.94	1.19	1.01	0.00	0.00
<i>n</i>	1489	561	425	503	1482	7	0
<b>&lt;CFL_2B&gt; What is the store type?</b>							
Discount such at 99 cent, dollar store	3.50	3.28	2.22	5.41	3.52	0.00	0.00
Grocery	6.99	6.56	6.67	8.11	7.04	0.00	0.00
Small Hardware	33.57	39.34	33.33	24.32	33.10	100.00	0.00
Lighting & electronics	12.59	16.39	8.89	10.81	12.68	0.00	0.00
Drug	0.70	0.00	0.00	2.70	0.70	0.00	0.00
Large home improvement (Home depot, Lowe	14.69	9.84	13.33	24.32	14.79	0.00	0.00
Mass merchandise (Wal-Mart, Target)	3.50	4.92	2.22	2.70	3.52	0.00	0.00
Membership stores (Costco, Sam's Club)	1.40	0.00	4.44	0.00	1.41	0.00	0.00
Other RECORD STORE TYPE	17.48	14.75	22.22	16.22	17.61	0.00	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	6.99	6.56	6.67	8.11	7.04	0.00	0.00
<i>n</i>	143	61	45	37	142	1	0
<b>&lt;C2_1&gt; Since 2006, how many PACKAGES of CFLS did you purchase at this first retail store?</b>							
0	1.45	1.22	1.84	1.37	1.45	0.00	0.00
1 to 5	46.71	45.22	41.71	52.64	46.66	57.14	0.00
6 to 10	14.80	14.96	14.75	14.68	14.87	0.00	0.00
11 to 50	15.66	16.17	16.82	14.09	15.73	0.00	0.00
51 to 100	2.89	4.00	2.54	1.96	2.91	0.00	0.00
More than 100	2.37	2.26	3.23	1.76	2.31	14.29	0.00
Refused	0.26	0.17	0.23	0.39	0.26	0.00	0.00
Don't know	15.86	16.00	18.89	13.11	15.80	28.57	0.00
<i>n</i>	1520	575	434	511	1513	7	0
<b>&lt;C3_1&gt; How many CFLS bulbs were in each package that you purchased from ...this store...?</b>							
0	1.80	1.25	1.43	2.72	1.81	0.00	0.00
1	15.06	15.77	11.40	17.20	15.04	20.00	0.00
2	18.43	16.39	17.09	21.72	18.43	20.00	0.00
3	6.90	7.26	5.98	7.24	6.93	0.00	0.00
4	23.61	22.41	27.92	21.49	23.46	60.00	0.00
5	3.53	3.94	3.99	2.72	3.54	0.00	0.00
6	11.61	13.49	11.11	9.96	11.65	0.00	0.00
7	0.08	0.00	0.00	0.23	0.08	0.00	0.00
8	3.69	3.73	4.84	2.72	3.70	0.00	0.00
9	0.16	0.21	0.00	0.23	0.16	0.00	0.00
10	4.55	5.39	4.27	3.85	4.57	0.00	0.00
12	3.53	3.32	4.27	3.17	3.54	0.00	0.00
13	0.08	0.00	0.00	0.23	0.08	0.00	0.00
15	0.31	0.42	0.00	0.45	0.31	0.00	0.00
16	0.08	0.21	0.00	0.00	0.08	0.00	0.00
20	0.78	0.42	0.86	1.13	0.79	0.00	0.00
23	0.08	0.21	0.00	0.00	0.08	0.00	0.00
24	0.94	1.66	0.86	0.23	0.94	0.00	0.00
25	0.08	0.00	0.00	0.23	0.08	0.00	0.00
28	0.08	0.21	0.00	0.00	0.08	0.00	0.00
30	0.08	0.00	0.29	0.00	0.08	0.00	0.00
32	0.16	0.00	0.00	0.45	0.16	0.00	0.00
36	0.08	0.00	0.29	0.00	0.08	0.00	0.00
40	0.16	0.21	0.29	0.00	0.16	0.00	0.00
45	0.08	0.00	0.00	0.23	0.08	0.00	0.00
50	0.71	1.04	1.14	0.00	0.71	0.00	0.00
51	0.08	0.21	0.00	0.00	0.08	0.00	0.00

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
60	0.08	0.00	0.00	0.23	0.08	0.00	0.00
Don't know	3.22	2.28	3.99	3.62	3.23	0.00	0.00
<i>n</i>	1275	482	351	442	1270	5	0
<b>&lt;C4_1&gt; Approximately what was the PRICE OF THE PACKAGE?</b>							
0	3.89	3.73	4.71	3.38	3.91	0.00	0.00
\$0.5 - \$0.99	1.41	1.42	1.88	0.99	1.41	0.00	0.00
\$1 - \$2	4.02	3.73	4.94	3.58	4.04	0.00	0.00
\$2.01 - \$5	12.14	13.68	9.88	12.33	12.05	33.33	0.00
\$5.01 - \$10	14.82	15.28	13.65	15.31	14.88	0.00	0.00
\$10.01 - \$50	15.09	12.97	18.35	14.71	15.15	0.00	0.00
More than \$50	0.80	0.89	0.47	0.99	0.81	0.00	0.00
Not applicable	0.07	0.00	0.00	0.20	0.07	0.00	0.00
Other	1.01	0.71	0.94	1.39	1.01	0.00	0.00
Refused	0.20	0.36	0.24	0.00	0.20	0.00	0.00
Don't know	46.55	47.25	44.94	47.12	46.46	66.67	0.00
<i>n</i>	1491	563	425	503	1485	6	0
<b>&lt;CFL_2_1&gt; Did the CFL's have a sticker indicating a &lt;%UTILITY&gt; instant rebate?</b>							
YES	19.16	22.47	12.44	21.14	19.18	14.29	0.00
NO	46.28	40.07	51.15	49.12	46.23	57.14	0.00
REFUSED	0.07	0.17	0.00	0.00	0.07	0.00	0.00
DON'T KNOW	34.50	37.28	36.41	29.75	34.52	28.57	0.00
<i>n</i>	1519	574	434	511	1512	7	0
<b>&lt;CFL_2A_1&gt; Were the CFLs discounted?</b>							
YES	28.01	32.36	27.90	23.33	28.15	0.00	0.00
NO	49.76	43.37	50.53	56.08	49.59	83.33	0.00
REFUSED	0.16	0.23	0.26	0.00	0.16	0.00	0.00
DON'T KNOW	22.07	24.05	21.32	20.60	22.09	16.67	0.00
<i>n</i>	1228	445	380	403	1222	6	0
<b>&lt;C2_2&gt; Since 2006, how many PACKAGES of CFLs did you purchase at this second retail store?</b>							
0	5.12	5.62	3.94	5.61	5.14	0.00	0.00
1 to 5	48.83	43.45	46.80	57.48	48.75	66.67	0.00
6 to 10	12.28	15.36	7.88	12.62	12.34	0.00	0.00
11 to 50	14.18	17.23	17.73	7.01	14.24	0.00	0.00
51 to 100	2.34	2.25	3.45	1.40	2.35	0.00	0.00
More than 100	1.61	0.75	2.46	1.87	1.62	0.00	0.00
Refused	0.15	0.38	0.00	0.00	0.15	0.00	0.00
Don't know	15.50	14.98	17.73	14.02	15.42	33.33	0.00
<i>n</i>	684	267	203	214	681	3	0
<b>&lt;C3_2&gt; How many CFLS bulbs were in each package that you purchased from ...this store...?</b>							
0	4.85	6.20	4.19	3.80	4.87	0.00	0.00
1	15.77	15.49	15.57	16.30	15.83	0.00	0.00
2	18.89	17.70	17.96	21.20	18.96	0.00	0.00
3	7.11	9.29	4.79	6.52	7.13	0.00	0.00
4	24.44	22.57	27.55	23.91	24.17	100.00	0.00
5	3.64	3.54	3.59	3.80	3.65	0.00	0.00
6	10.23	9.29	12.58	9.24	10.26	0.00	0.00
7	0.17	0.00	0.00	0.54	0.17	0.00	0.00
8	3.64	1.77	5.39	4.35	3.65	0.00	0.00
9	0.52	0.89	0.00	0.54	0.52	0.00	0.00
10	2.60	4.43	0.60	2.17	2.61	0.00	0.00
12	3.12	5.31	1.80	1.63	3.13	0.00	0.00
18	0.17	0.00	0.60	0.00	0.17	0.00	0.00
20	0.52	0.89	0.00	0.54	0.52	0.00	0.00
24	0.87	1.33	1.20	0.00	0.87	0.00	0.00
30	0.17	0.00	0.00	0.54	0.17	0.00	0.00
48	0.17	0.00	0.60	0.00	0.17	0.00	0.00
50	0.17	0.44	0.00	0.00	0.17	0.00	0.00
Don't know	2.95	0.89	3.59	4.89	2.96	0.00	0.00
<i>n</i>	577	226	167	184	575	2	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;C4_2&gt; Approximately what was the PRICE OF THE PACKAGE?</b>							
0	7.60	10.49	5.91	5.61	7.64	0.00	0.00
\$0.5 - \$0.99	1.32	1.12	1.48	1.40	1.32	0.00	0.00
\$1 - \$2	6.29	6.37	5.91	6.54	6.31	0.00	0.00
\$2.01 - \$5	12.87	12.73	13.79	12.15	12.78	33.33	0.00
\$5.01 - \$10	16.96	13.86	21.18	16.82	17.03	0.00	0.00
\$10.01 - \$50	13.74	11.61	16.26	14.02	13.80	0.00	0.00
More than \$50	1.46	0.38	1.97	2.34	1.47	0.00	0.00
Not applicable	0.15	0.00	0.49	0.00	0.15	0.00	0.00
Other	3.66	5.24	0.99	4.21	3.67	0.00	0.00
Refused	0.29	0.00	0.49	0.47	0.29	0.00	0.00
Don't know	35.67	38.20	31.53	36.45	35.54	66.67	0.00
	<i>n</i> 684	267	203	214	681	3	0
<b>&lt;CFL_2_2&gt; Did the CFL's have a sticker indicating a &lt;%UTILITY&gt; instant rebate?</b>							
YES	20.61	20.23	16.26	25.23	20.56	33.33	0.00
NO	52.49	50.56	56.65	50.94	52.57	33.33	0.00
REFUSED	0.44	0.75	0.00	0.47	0.44	0.00	0.00
DON'T KNOW	26.46	28.46	27.09	23.36	26.43	33.33	0.00
	<i>n</i> 684	267	203	214	681	3	0
<b>&lt;CFL_2A_2&gt; Were the CFLs discounted?</b>							
YES	22.84	26.29	20.59	20.63	22.92	0.00	0.00
NO	57.64	53.99	57.65	62.50	57.67	50.00	0.00
REFUSED	0.37	0.47	0.00	0.63	0.37	0.00	0.00
DON'T KNOW	19.15	19.25	21.77	16.25	19.04	50.00	0.00
	<i>n</i> 543	213	170	160	541	2	0
<b>&lt;CFL_3&gt; Why did you purchase these CFLs?</b>							
Low Price	11.64	12.10	10.48	12.12	11.70	0.00	0.00
Rebate/utility coupon	1.62	1.87	1.37	1.54	1.62	0.00	0.00
Utility recommended	1.49	1.70	1.60	1.15	1.49	0.00	0.00
Wanted to try	3.75	3.58	2.73	4.81	3.77	0.00	0.00
Wanted long-life bulb	20.50	22.83	18.91	19.23	20.47	28.57	0.00
To save energy/electricity	58.60	54.69	64.92	57.69	58.67	42.86	0.00
To save money on electric bills	20.63	20.44	22.55	19.23	20.53	42.86	0.00
Good for environment	14.42	16.18	13.21	13.46	14.42	14.29	0.00
For Replacements or Additional Fixtures	7.76	8.35	7.97	6.92	7.73	14.29	0.00
Better performance (Brighter, Less heat)	3.23	1.70	2.73	5.39	3.18	14.29	0.00
Other-record	6.40	5.96	5.01	8.08	6.37	14.29	0.00
REFUSED	0.06	0.17	0.00	0.00	0.06	0.00	0.00
DON'T KNOW	0.65	0.51	0.91	0.58	0.65	0.00	0.00
	<i>n</i> 1546	587	439	520	1539	7	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;LII&gt; Talking about the &lt;%CC1B&gt; CFLs you have purchased, since January 2006, how many of these CFLs were actually installed?</b>							
0	0.78	0.17	1.14	1.15	0.78	0.00	0.00
1 to 10	38.16	35.09	31.89	46.92	38.14	42.86	0.00
11 to 50	39.59	42.08	41.00	35.58	39.64	28.57	0.00
51 to 100	9.31	10.39	10.02	7.50	9.36	0.00	0.00
More than 100	9.96	9.54	14.35	6.73	9.88	28.57	0.00
Refused	0.06	0.17	0.00	0.00	0.06	0.00	0.00
Don't know	2.13	2.56	1.60	2.12	2.14	0.00	0.00
	<i>n</i> 1546	587	439	520	1539	7	0
<b>&lt;LI90&gt; How many of these &lt;%CC1B&gt; CFLs were placed in storage?</b>							
0	4.10	5.82	2.94	2.98	4.12	0.00	0.00
1 to 10	64.84	63.01	61.77	69.79	64.70	100.00	0.00
11 to 50	22.30	23.97	25.00	17.87	22.39	0.00	0.00
51 to 100	3.69	3.43	3.92	3.83	3.71	0.00	0.00
More than 100	1.92	1.03	2.94	2.13	1.92	0.00	0.00
Refused	0.14	0.34	0.00	0.00	0.14	0.00	0.00
Don't know	3.01	2.40	3.43	3.40	3.02	0.00	0.00
	<i>n</i> 731	292	204	235	728	3	0
<b>&lt;CFL_5&gt; Why were they put into storage?</b>							
To have them on hand if bulb burns out	79.14	76.73	84.85	77.09	79.05	100.00	0.00
Purchased more CFLs than needed	16.29	16.36	16.16	16.30	16.36	0.00	0.00
Bought them in bulk	8.29	7.27	12.12	6.17	8.32	0.00	0.00
Bought them on sale	2.43	2.18	2.53	2.64	2.44	0.00	0.00
Can't use them in certain rooms	1.14	0.36	2.02	1.32	1.15	0.00	0.00
Can't use them in certain applications	1.14	0.36	1.52	1.76	1.15	0.00	0.00
Didn't like having them installed	0.43	0.73	0.00	0.44	0.43	0.00	0.00
Don't need them yet	1.00	0.73	1.01	1.32	1.00	0.00	0.00
Other -RECORD	1.86	1.82	1.52	2.20	1.87	0.00	0.00
REFUSED	0.29	0.73	0.00	0.00	0.29	0.00	0.00
DON'T KNOW	0.86	0.73	1.01	0.88	0.86	0.00	0.00
	<i>n</i> 700	275	198	227	697	3	0
<b>&lt;CFL_6&gt; Were any of your CFLs installed at any other location?</b>							
Yes	7.55	6.19	9.80	7.27	7.58	0.00	0.00
No	87.24	87.63	86.77	87.18	87.19	100.00	0.00
There are no other locations	3.70	4.81	2.45	3.42	3.72	0.00	0.00
REFUSED	0.14	0.34	0.00	0.00	0.14	0.00	0.00
DON'T KNOW	1.37	1.03	0.98	2.14	1.38	0.00	0.00
	<i>n</i> 729	291	204	234	726	3	0
<b>&lt;LI91&gt; Approximately how many of these CFLs were installed at another facility?</b>							
1	7.27	0.00	15.00	5.88	7.27	0.00	0.00
2	10.91	11.11	10.00	11.76	10.91	0.00	0.00
3	5.45	5.56	5.00	5.88	5.45	0.00	0.00
4	3.64	5.56	0.00	5.88	3.64	0.00	0.00
5	7.27	5.56	0.00	17.65	7.27	0.00	0.00
6	5.45	0.00	15.00	0.00	5.45	0.00	0.00
10	5.45	5.56	5.00	5.88	5.45	0.00	0.00
11	1.82	0.00	5.00	0.00	1.82	0.00	0.00
12	3.64	0.00	0.00	11.76	3.64	0.00	0.00
20	5.45	16.67	0.00	0.00	5.45	0.00	0.00
24	1.82	0.00	5.00	0.00	1.82	0.00	0.00
28	1.82	5.56	0.00	0.00	1.82	0.00	0.00
30	3.64	11.11	0.00	0.00	3.64	0.00	0.00
36	1.82	5.56	0.00	0.00	1.82	0.00	0.00
46	1.82	0.00	5.00	0.00	1.82	0.00	0.00
50	5.45	0.00	5.00	11.76	5.45	0.00	0.00
60	1.82	0.00	5.00	0.00	1.82	0.00	0.00
75	1.82	5.56	0.00	0.00	1.82	0.00	0.00
80	1.82	0.00	0.00	5.88	1.82	0.00	0.00
100	1.82	0.00	5.00	0.00	1.82	0.00	0.00
150	1.82	5.56	0.00	0.00	1.82	0.00	0.00
291	1.82	5.56	0.00	0.00	1.82	0.00	0.00

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
DON'T KNOW	16.36	11.11	20.00	17.65	16.36	0.00	0.00
<i>n</i>	55	18	20	17	55	0	0
<b>&lt;LI92&gt; Was this facility inside or outside of California?</b>							
Inside	96.36	100.00	100.00	88.24	96.36	0.00	0.00
Both	1.82	0.00	0.00	5.88	1.82	0.00	0.00
DON'T KNOW	1.82	0.00	0.00	5.88	1.82	0.00	0.00
<i>n</i>	55	18	20	17	55	0	0
<b>&lt;LI11&gt; We show that your total accounted for bulbs (installed, in storage, or at another facility) are less than the number of bulbs you purchased. Do you think the other bulbs could have:</b>							
Burned out	50.00	31.25	57.14	72.73	51.52	0.00	0.00
Stored somewhere else	17.65	25.00	14.29	9.09	15.15	100.00	0.00
Gave them away or	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misplaced them	8.82	12.50	14.29	0.00	9.09	0.00	0.00
OTHER-specify	20.59	18.75	28.57	18.18	21.21	0.00	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	8.82	18.75	0.00	0.00	9.09	0.00	0.00
<i>n</i>	34	16	7	11	33	1	0
<b>&lt;LI12&gt; We show that your total accounted for bulbs (installed, in storage, or at another facility) are more than the number of bulbs you purchased. Please state which of the following best describes the number of CFLs we estimated for the purchase...:</b>							
The number I originally estimated for the purchased is correct	38.10	53.85	40.00	26.32	38.10	0.00	0.00
The the number I estimated for installed & stored is a correct	42.86	38.46	40.00	47.37	42.86	0.00	0.00
RECORD other answer	21.43	23.08	20.00	21.05	21.43	0.00	0.00
REFUSED	2.38	0.00	0.00	5.26	2.38	0.00	0.00
DON'T KNOW	2.38	7.69	0.00	0.00	2.38	0.00	0.00
<i>n</i>	42	13	10	19	42	0	0
<b>&lt;CFL24&gt; When you installed your CFLS, what kind of bulb/lamp did you replace?</b>							
Incandescent	77.83	80.11	79.01	74.43	80.96	73.60	0.00
CFLs	16.26	15.79	17.16	15.96	18.69	12.96	0.00
HID	0.41	0.29	0.23	0.69	0.12	0.80	0.00
Mercury Vapor	1.02	0.86	1.35	0.89	0.77	1.36	0.00
Halogen	0.75	0.38	0.45	1.39	0.83	0.64	0.00
Fluorscent	1.22	1.05	1.24	1.39	0.83	1.76	0.00
Flood Lights	0.71	0.48	0.68	0.99	0.65	0.80	0.00
For new fixture, nothing was replaced	1.53	1.62	0.79	2.08	0.94	2.32	0.00
Other -RECORD	1.66	1.52	1.47	1.98	1.30	2.16	0.00
REFUSED	0.03	0.00	0.00	0.10	0.00	0.08	0.00
DON'T KNOW	5.09	5.04	4.29	5.85	2.48	8.64	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0
<b>&lt;LI30&gt; Considering the CFL installations we just discussed, approximately what percentage of the facility's lighting was affected by those changes?</b>							
0 percent	2.84	1.98	4.36	2.44	2.85	0.00	0.00
1 to 25	45.38	44.15	40.46	51.22	45.42	37.50	0.00
26 to 50	15.35	15.32	15.98	14.82	15.37	12.50	0.00
51 to 75	7.71	7.25	9.34	6.75	7.68	12.50	0.00
76 to 100	23.18	24.71	25.73	19.14	23.17	25.00	0.00
Refused	0.12	0.33	0.00	0.00	0.12	0.00	0.00
Don't know	5.43	6.26	4.15	5.63	5.39	12.50	0.00
<i>n</i>	1622	607	482	533	1614	8	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;FR1_L&gt; At the time that you purchased the CFLs, had you...</b>							
Already been thinking about purchasing CFLs or,	51.05	53.87	48.55	50.09	51.12	37.50	0.00
Already begun collecting information about CFLs,	16.21	14.83	19.92	14.45	16.17	25.00	0.00
Neither	23.30	22.57	23.24	24.20	23.36	12.50	0.00
Both	0.92	1.15	0.62	0.94	0.93	0.00	0.00
Used them before	2.59	1.98	2.28	3.57	2.60	0.00	0.00
SOMETHING OTHER	2.77	2.31	2.70	3.38	2.73	12.50	0.00
REFUSED	0.06	0.17	0.00	0.00	0.06	0.00	0.00
DON'T KNOW	3.08	3.13	2.70	3.38	3.04	12.50	0.00
n	1622	607	482	533	1614	8	0
<b>&lt;FR4A_L&gt; If the CFLs had cost \$2 more PER BULB, would you still have purchased them?</b>							
YES	63.13	61.61	63.69	64.35	63.07	75.00	0.00
NO	27.13	28.34	25.73	27.02	27.26	0.00	0.00
REFUSED	0.06	0.17	0.00	0.00	0.06	0.00	0.00
DON'T KNOW	9.68	9.89	10.58	8.63	9.60	25.00	0.00
n	1622	607	482	533	1614	8	0
<b>&lt;FR4B_L&gt; Would you have purchased the CFLs at the same time as you did?</b>							
YES	87.31	88.97	85.20	87.40	87.31	87.50	0.00
NO	7.45	7.13	8.10	7.20	7.50	0.00	0.00
REFUSED	0.17	0.23	0.28	0.00	0.17	0.00	0.00
DON'T KNOW	5.08	3.68	6.43	5.40	5.03	12.50	0.00
n	1182	435	358	389	1174	8	0
<b>&lt;FR4B1_L&gt; Would you have bought the ...CFLs... earlier than you did or later?</b>							
Earlier	2.00	2.08	3.77	0.00	2.01	0.00	0.00
Same time	12.00	14.58	9.43	12.24	12.08	0.00	0.00
Later	54.00	52.08	50.94	59.18	54.36	0.00	0.00
REFUSED	0.67	2.08	0.00	0.00	0.67	0.00	0.00
DON'T KNOW	31.33	29.17	35.85	28.57	30.87	100.00	0.00
n	150	48	53	49	149	1	0
<b>&lt;FRB2_L&gt; How much EARLIER would you have bought the ...CFLs</b>							
1 to 6 months	33.33	100.00	0.00	0.00	33.33	0.00	0.00
6 months to 1 year	33.33	0.00	50.00	0.00	33.33	0.00	0.00
DON'T KNOW	33.33	0.00	50.00	0.00	33.33	0.00	0.00
n	3	1	2	0	3	0	0
<b>&lt;FRB2_L&gt; How much LATER would you have bought the ...CFLs</b>							
1 to 6 months	38.27	24.00	51.85	37.93	38.27	0.00	0.00
6 months to 1 year	27.16	24.00	33.33	24.14	27.16	0.00	0.00
1 to 1.5 years	16.05	20.00	3.70	24.14	16.05	0.00	0.00
1.5 to 2 years	4.94	4.00	3.70	6.90	4.94	0.00	0.00
2 to 2.5 years	2.47	4.00	0.00	3.45	2.47	0.00	0.00
More than three years	1.23	4.00	0.00	0.00	1.23	0.00	0.00
DON'T KNOW	9.88	20.00	7.41	3.45	9.88	0.00	0.00
n	81	25	27	29	81	0	0
<b>&lt;FR4C_L&gt; If the CFLs had cost \$2 more per bulb, would you have purchased the same quantity as you did?</b>							
More	0.76	0.92	0.28	1.03	0.77	0.00	0.00
Same	68.92	69.82	65.92	70.69	68.88	75.00	0.00
Less	25.99	25.35	28.49	24.42	26.00	25.00	0.00
REFUSED	0.34	0.23	0.56	0.26	0.34	0.00	0.00
DON'T KNOW	3.98	3.69	4.75	3.60	4.01	0.00	0.00
n	1181	434	358	389	1173	8	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;FR4C1_L&gt; How Many MORE than the &lt;%CC1B&gt; bulbs would you have bought?</b>							
0	22.22	0.00	100.00	25.00	22.22	0.00	0.00
11 to 50	22.22	25.00	0.00	25.00	22.22	0.00	0.00
51 to 100	33.33	50.00	0.00	25.00	33.33	0.00	0.00
More than 100	11.11	0.00	0.00	25.00	11.11	0.00	0.00
Don't know	11.11	25.00	0.00	0.00	11.11	0.00	0.00
n	9	4	1	4	9	0	0
<b>&lt;FR4C1_L&gt; How Many LESS than the &lt;%CC1B&gt; bulbs would you have bought?</b>							
0	1.30	1.82	0.98	1.05	1.31	0.00	0.00
1 to 5	22.80	21.82	15.69	31.58	22.62	50.00	0.00
6 to 10	16.94	19.09	14.71	16.84	17.05	0.00	0.00
11 to 50	28.99	25.46	35.29	26.32	29.18	0.00	0.00
51 to 100	6.19	7.27	7.84	3.16	6.23	0.00	0.00
More than 100	5.86	6.36	6.86	4.21	5.90	0.00	0.00
Don't know	17.92	18.18	18.63	16.84	17.71	50.00	0.00
n	307	110	102	95	305	2	0
<b>&lt;FR4E_L&gt; If the CFLs had cost \$2 more per bulb, would you have done anything else differently?</b>							
YES	12.28	11.98	11.73	13.11	12.36	0.00	0.00
NO	80.95	81.34	80.17	81.23	80.90	87.50	0.00
REFUSED	0.17	0.23	0.00	0.26	0.17	0.00	0.00
DONT KNOW	6.60	6.45	8.10	5.40	6.56	12.50	0.00
n	1181	434	358	389	1173	8	0
<b>&lt;FR4E_L1&gt; What would you have done differently?</b>							
Would have purchase less	28.47	32.69	28.57	24.00	28.47	0.00	0.00
Shop around more and look for cheaper deal	19.44	11.54	16.67	30.00	19.44	0.00	0.00
Use other type of lighting	16.67	25.00	9.52	14.00	16.67	0.00	0.00
Would not purchase them	4.86	3.85	7.14	4.00	4.86	0.00	0.00
OPEN Record	27.78	26.92	33.33	24.00	27.78	0.00	0.00
DONT KNOW	2.78	0.00	4.76	4.00	2.78	0.00	0.00
n	144	52	42	50	144	0	0
<b>&lt;FR5_L&gt; If the bulbs had cost \$2 more PER BULB, Using a scale of zero to 10, where 0 is NOT AT ALL LIKELY and 10 is EXTREMELY LIKELY, how likely is it that you would have bought them?</b>							
1 NOT AT ALL LIKELY	3.83	3.96	4.98	2.63	3.85	0.00	0.00
2	4.51	5.12	3.73	4.51	4.53	0.00	0.00
3	4.14	4.29	3.73	4.32	4.16	0.00	0.00
4	4.88	5.78	4.36	4.32	4.84	12.50	0.00
5	13.02	13.04	13.28	12.78	13.03	12.50	0.00
6	5.06	5.12	5.39	4.70	5.09	0.00	0.00
7	6.79	5.78	7.68	7.14	6.76	12.50	0.00
8	12.41	11.88	11.20	14.10	12.41	12.50	0.00
9	4.51	5.12	4.56	3.76	4.53	0.00	0.00
10 EXTREMELY LIKELY	28.46	27.89	28.63	28.95	28.35	50.00	0.00
ZERO NOT AT ALL LIKELY	10.62	10.07	10.17	11.65	10.67	0.00	0.00
REFUSED	0.31	0.66	0.00	0.19	0.31	0.00	0.00
DONT KNOW	1.48	1.32	2.28	0.94	1.49	0.00	0.00
n	1620	606	482	532	1612	8	0
<b>&lt;FR8_L&gt; How much more per bulb would you have been willing to pay?</b>							
Would not pay more.	14.95	14.06	15.38	15.69	15.05	0.00	0.00
Whatever it costs.	4.05	2.34	4.40	5.88	4.08	0.00	0.00
Depends on economy/base price/need at the time/etc.	2.18	3.91	2.20	0.00	2.19	0.00	0.00
Under 1 dollar	4.36	1.56	9.89	2.94	4.39	0.00	0.00
Under 5 dollar	11.22	13.28	8.79	10.78	11.29	0.00	0.00
Other	6.54	6.25	7.69	5.88	6.58	0.00	0.00
Refused	1.56	1.56	2.20	0.98	1.57	0.00	0.00
Don't know	55.14	57.03	49.45	57.84	54.86	100.00	0.00
n	321	128	91	102	319	2	0
<b>&lt;FR9_L&gt; If the CFLs had been \$2 more per bulb, I would have paid the additional amount to buy the CFLs?</b>							
1 DO NOT AT ALL AGREE	5.69	6.27	6.64	4.15	5.71	0.00	0.00
2	3.52	4.13	2.91	3.40	3.54	0.00	0.00



	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
3	4.45	3.96	4.77	4.72	4.47	0.00	0.00
4	3.40	3.96	2.49	3.59	3.35	14.29	0.00
5	12.18	11.88	14.11	10.76	12.23	0.00	0.00
6	4.39	4.29	5.39	3.59	4.35	14.29	0.00
7	5.38	4.79	5.39	6.04	5.40	0.00	0.00
8	10.88	10.07	10.37	12.26	10.86	14.29	0.00
9	3.52	4.46	3.32	2.64	3.48	14.29	0.00
10 AGREE COMPLETELY	28.99	28.38	28.22	30.38	28.93	42.86	0.00
ZERO DO NOT AT ALL AGREE	16.01	16.34	14.73	16.79	16.08	0.00	0.00
REFUSED	0.31	0.66	0.00	0.19	0.31	0.00	0.00
DON'T KNOW	1.30	0.83	1.66	1.51	1.30	0.00	0.00
<i>n</i>	1618	606	482	530	1611	7	0
<b>&lt;FR10_L&gt; There may have been several reasons for my purchase decision, but the price was a critical factor in my decision to purchase the CFLs.</b>							
1 DO NOT AT ALL AGREE	5.38	5.61	5.60	4.91	5.34	14.29	0.00
2	4.94	4.79	5.60	4.53	4.90	14.29	0.00
3	6.30	6.60	5.19	6.98	6.27	14.29	0.00
4	5.56	5.45	4.36	6.79	5.52	14.29	0.00
5	17.49	19.64	13.49	18.68	17.57	0.00	0.00
6	5.32	4.13	6.85	5.28	5.28	14.29	0.00
7	7.05	7.10	8.71	5.47	7.08	0.00	0.00
8	11.50	11.06	12.24	11.32	11.42	28.57	0.00
9	4.88	3.96	6.85	4.15	4.90	0.00	0.00
10 AGREE COMPLETELY	20.46	21.12	20.95	19.25	20.55	0.00	0.00
ZERO DO NOT AT ALL AGREE	9.46	8.42	9.13	10.94	9.50	0.00	0.00
REFUSED	0.37	0.83	0.00	0.19	0.37	0.00	0.00
DON'T KNOW	1.30	1.32	1.04	1.51	1.30	0.00	0.00
<i>n</i>	1618	606	482	530	1611	7	0
<b>&lt;FR11_L&gt; I would have bought the CFLs within 2 years of when I did even if the price of the CFLs had been \$2 more per bulb.</b>							
1 DO NOT AT ALL AGREE	5.01	6.44	5.39	3.02	5.03	0.00	0.00
2	3.46	3.63	3.32	3.40	3.48	0.00	0.00
3	4.76	5.12	3.73	5.28	4.78	0.00	0.00
4	2.90	2.15	3.11	3.59	2.92	0.00	0.00
5	13.29	14.69	11.41	13.40	13.22	28.57	0.00
6	4.45	3.63	4.98	4.91	4.47	0.00	0.00
7	6.61	5.61	7.26	7.17	6.58	14.29	0.00
8	11.74	10.89	14.52	10.19	11.73	14.29	0.00
9	4.14	4.95	3.11	4.15	4.10	14.29	0.00
10 AGREE COMPLETELY	30.04	30.36	29.05	30.57	30.04	28.57	0.00
ZERO DO NOT AT ALL AGREE	11.25	9.41	11.62	13.02	11.30	0.00	0.00
REFUSED	0.37	0.83	0.00	0.19	0.37	0.00	0.00
DON'T KNOW	1.98	2.31	2.49	1.13	1.99	0.00	0.00
<i>n</i>	1618	606	482	530	1611	7	0
<b>&lt;C1A_L&gt; In your own words, could you please describe how the price influenced your decision to purchase these CFLs?</b>							
No influence	24.10	13.04	29.03	27.59	24.10	0.00	0.00
The price is a big factor / would have bought less(none) if expensive	27.71	21.74	32.26	27.59	27.71	0.00	0.00
The quality/energy saving of light bulb is more important	21.69	21.74	25.81	17.24	21.69	0.00	0.00
Other	25.30	43.48	9.68	27.59	25.30	0.00	0.00
DON'T KNOW	1.20	0.00	3.23	0.00	1.20	0.00	0.00
<i>n</i>	83	23	31	29	83	0	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;V1A&gt; Now I would like to talk specifically about who installed your CFLs? Who installed your CFLs?</b>							
Contractor	8.72	7.04	8.01	11.10	4.07	15.04	0.00
Property Manager	2.85	2.47	2.37	3.67	2.06	3.92	0.00
Self-installation	59.37	60.99	55.64	60.95	66.57	49.60	0.00
Other employee	30.41	30.64	36.34	24.98	32.72	27.28	0.00
Utility Company	1.56	0.76	1.81	2.18	0.71	2.72	0.00
Maintenance person / Electrician	2.07	2.38	2.14	1.68	2.00	2.16	0.00
Owner	0.51	0.67	0.34	0.50	0.29	0.80	0.00
Other -RECORD	1.12	1.43	0.79	1.09	0.65	1.76	0.00
REFUSED	0.07	0.10	0.00	0.10	0.00	0.16	0.00
DONT KNOW	1.66	2.28	0.90	1.68	0.71	2.96	0.00
	<i>n</i> 2946	1051	886	1009	1696	1250	0
<b>&lt;V5&gt; Had you worked with this contractor before installing CFLs?</b>							
YES	31.43	24.29	32.84	35.19	42.42	27.37	0.00
NO	65.71	75.71	64.18	60.19	56.06	69.27	0.00
DONT KNOW	2.86	0.00	2.99	4.63	1.52	3.35	0.00
	<i>n</i> 245	70	67	108	69	179	0
<b>&lt;V40&gt; How important was the input from the contractor you worked with in deciding to install CFLs. Was it...</b>							
Very	40.41	45.71	38.81	37.96	48.48	37.43	0.00
Somewhat or	17.55	12.86	17.91	20.37	10.61	20.11	0.00
Not at all important	15.92	20.00	16.42	12.96	13.64	16.76	0.00
They did not have any input	21.63	18.57	19.40	25.00	24.24	20.67	0.00
DONT KNOW	4.49	2.86	7.46	3.70	3.03	5.03	0.00
	<i>n</i> 245	70	67	108	69	179	0
<b>&lt;V46&gt; How important was the input from your property manager in deciding to install CFLs. Was it...</b>							
Very	36.51	35.29	43.75	33.33	36.36	36.59	0.00
Somewhat or	14.29	11.76	18.75	13.33	0.00	21.95	0.00
Not at all important	25.40	35.29	18.75	23.33	45.45	14.63	0.00
They did not have any input	20.63	11.76	18.75	26.67	13.64	24.39	0.00
DONT KNOW	3.17	5.88	0.00	3.33	4.55	2.44	0.00
	<i>n</i> 63	17	16	30	22	41	0
<b>&lt;LI1&gt; Do you have linear fluorescents installed in your facility?</b>							
YES	84.96	83.82	85.55	85.63	86.32	83.12	0.00
NO	13.44	14.94	13.09	12.19	12.32	14.96	0.00
DONT KNOW	1.60	1.24	1.35	2.18	1.36	1.92	0.00
	<i>n</i> 2946	1051	886	1009	1696	1250	0
<b>&lt;LI1A&gt; What kind of linear fluorescents do you have?</b>							
T5s	6.27	6.24	5.94	6.60	6.22	6.35	0.00
T8s	22.69	23.84	20.84	23.15	21.72	24.06	0.00
2nd generation or higher T8s	3.96	3.29	4.75	3.94	3.83	4.14	0.00
T12s	14.58	13.85	16.62	13.54	14.89	14.15	0.00
Skinny tubes	27.13	24.52	27.18	29.75	26.78	27.62	0.00
Fat tubes	17.66	19.64	16.23	16.90	19.74	14.73	0.00
Mixture of different kinds	0.84	1.02	0.66	0.81	0.82	0.87	0.00
4 ft (did not specify)	0.68	1.02	0.53	0.46	0.55	0.87	0.00
RECORD Other description	3.28	3.52	2.77	3.47	3.21	3.37	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	17.58	17.82	17.68	17.25	16.94	18.48	0.00
	<i>n</i> 2503	881	758	864	1464	1039	0
<b>&lt;LI2&gt; Are the ballasts electronic or magnetic?</b>							
Electronic ballasts	40.71	40.41	41.69	40.16	42.55	38.11	0.00
Magnetic ballasts	9.83	9.31	9.89	10.30	11.48	7.51	0.00
Both	5.11	5.79	5.15	4.40	4.51	5.97	0.00
REFUSED	0.04	0.00	0.00	0.12	0.07	0.00	0.00
DONT KNOW	44.31	44.50	43.27	45.02	41.39	48.41	0.00
	<i>n</i> 2503	881	758	864	1464	1039	0
<b>&lt;HB1&gt; Do you have high bay lighting? (If needed, lighting higher than 13 ft)</b>							
YES	34.45	35.11	35.10	33.20	34.96	33.76	0.00

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
NO	63.99	63.27	63.66	65.01	63.33	64.88	0.00
DON'T KNOW	1.56	1.62	1.24	1.78	1.71	1.36	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0
<b>&lt;HB2&gt; What kind of High Bay Lighting is it?</b>							
HID	7.59	8.67	7.07	6.89	7.43	7.82	0.00
Mercury Vapor	10.75	13.01	10.93	8.08	11.66	9.48	0.00
T8s	13.21	9.76	12.54	17.67	13.68	12.56	0.00
T5s	5.13	4.88	4.18	6.29	4.56	5.92	0.00
T12s	4.64	4.88	5.79	3.29	4.39	4.98	0.00
CFLs	4.73	5.15	5.47	3.59	5.07	4.27	0.00
Fluorescant	6.51	5.96	5.47	8.08	6.59	6.40	0.00
Incandescents	2.17	1.08	2.57	2.99	2.37	1.90	0.00
Flood Light	1.58	1.63	1.93	1.20	1.69	1.42	0.00
Sodium Vapor	2.56	2.98	2.25	2.40	2.53	2.61	0.00
Mixed Type	2.96	3.79	2.89	2.10	3.21	2.61	0.00
Halogen	1.78	2.17	0.97	2.10	1.52	2.13	0.00
RECORD OTHER	9.96	11.11	10.93	7.78	9.63	10.43	0.00
Refused	0.10	0.00	0.32	0.00	0.17	0.00	0.00
Don't know	26.33	24.93	26.69	27.55	25.51	27.49	0.00
<i>n</i>	1014	369	311	334	592	422	0
<b>&lt;HB3&gt; Do you have incandescent lighting?</b>							
YES	40.63	44.15	39.84	37.66	44.10	35.92	0.00
NO	57.84	54.71	58.58	60.46	54.72	62.08	0.00
DON'T KNOW	1.53	1.14	1.58	1.88	1.18	2.00	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0
<b>&lt;HB4&gt; Do you have motion sensors?</b>							
YES	42.46	43.29	40.41	43.41	42.87	41.92	0.00
NO	57.23	56.71	59.26	56.00	56.96	57.60	0.00
DON'T KNOW	0.31	0.00	0.34	0.59	0.18	0.48	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0
<b>&lt;LI3&gt; How old is the lighting equipment currently in use at your facility? Would you say...</b>							
Less than 5 years old	33.16	29.59	31.26	38.55	29.54	38.08	0.00
Between 5 and 10 years old	22.88	24.36	22.69	21.51	22.17	23.84	0.00
Between 10 and 15 years old	13.00	14.18	12.42	12.29	14.39	11.12	0.00
More than 15 years old	27.46	29.02	30.02	23.59	30.42	23.44	0.00
REFUSED	0.17	0.29	0.11	0.10	0.24	0.08	0.00
DON'T KNOW	3.33	2.57	3.50	3.96	3.24	3.44	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0
<b>&lt;LI4&gt; How would you describe the condition of lights currently in use at your facility? Would you say it is....</b>							
In poor condition	1.66	1.81	1.81	1.39	1.95	1.28	0.00
Fair condition or	19.28	19.70	18.85	19.23	21.05	16.88	0.00
Good condition	78.72	78.12	79.01	79.09	76.71	81.44	0.00
REFUSED	0.03	0.00	0.11	0.00	0.00	0.08	0.00
DON'T KNOW	0.31	0.38	0.23	0.30	0.29	0.32	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0
<b>&lt;LI6&gt; Since January 2006 has anyone at your facility consulted with a contractor concerning the lighting systems?</b>							
YES	22.37	21.98	21.67	23.39	24.35	19.68	0.00
NO	75.08	75.36	75.28	74.63	74.47	75.92	0.00
DON'T KNOW	2.55	2.66	3.05	1.98	1.18	4.40	0.00
<i>n</i>	2946	1051	886	1009	1696	1250	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;LI6A&gt; Did the lighting contractor recommend that you make changes to your lighting systems?</b>							
YES	70.87	69.26	70.31	72.88	74.33	65.04	0.00
NO	25.80	28.14	25.00	24.15	23.00	30.49	0.00
DON'T KNOW	3.34	2.60	4.69	2.97	2.66	4.47	0.00
	<i>n</i>	659	231	192	236	413	246
<b>&lt;LI7&gt; Since January 2006 has anyone at your facility consulted with an architect, engineer, designer or energy services company concerning the lighting systems?</b>							
YES	13.78	12.75	13.43	15.16	14.45	12.88	0.00
NO	83.74	84.78	84.42	82.06	84.20	83.12	0.00
DON'T KNOW	2.48	2.47	2.14	2.78	1.36	4.00	0.00
	<i>n</i>	2946	1051	886	1009	1696	1250
<b>&lt;OTH1&gt; How many incandescent (regular light bulbs) have you purchased since January 2006?</b>							
0	52.61	49.45	50.03	57.04	47.17	52.65	55.25
1 to 10	18.41	20.02	16.22	18.81	17.29	15.97	19.79
11 to 50	19.28	20.35	21.91	16.44	23.71	18.98	17.22
51 to 100	4.61	4.57	5.69	3.83	5.91	5.47	3.69
More than 100	4.75	5.23	5.81	3.57	5.66	6.75	3.62
Don't know	0.34	0.39	0.34	0.30	0.25	0.18	0.43
	<i>n</i>	5898	1818	1757	2323	1573	1096
<b>&lt;OTH3&gt; What type of stores did you purchase the incandescent bulbs from?</b>							
Discount stores	1.45	1.60	1.17	1.57	1.47	1.63	1.38
Grocery stores	2.90	3.82	2.62	2.31	3.56	2.53	2.70
Small hardware	12.60	21.83	10.30	6.11	16.46	12.48	10.62
Lighting & Electronics	6.39	5.86	5.78	7.43	6.08	8.02	5.94
Drug stores	1.16	1.69	0.81	0.99	0.63	1.19	1.43
Large Home improvement (Home Depot/Lowes)	53.70	44.63	57.18	58.96	55.24	48.74	54.73
Mass Merchandise (Wal Mart/Target)	5.52	5.41	5.60	5.53	7.34	5.65	4.51
Membership Stores (Costco/Sams Club)	6.12	8.16	4.70	5.53	7.55	6.84	5.12
Other describe	2.96	3.37	2.80	2.73	2.94	2.53	3.14
REFUSED	0.17	0.09	0.18	0.25	0.11	0.15	0.22
DON'T KNOW	7.75	7.45	6.87	8.84	4.82	9.96	8.47
	<i>n</i>	3445	1127	1107	954	673	1818
<b>&lt;OTH2&gt; Since January 2006, besides regular incandescent light bulbs and CFLs, how many other bulbs of various types have you purchased? This could include halogen bulbs, long fluorescent tubes and other types of specialty light bulbs.</b>							
0	31.58	29.01	29.86	34.93	26.41	35.17	32.89
1 to 10	23.73	25.29	20.63	24.84	26.15	21.30	23.38
11 to 50	29.82	32.07	30.32	27.66	31.65	28.19	29.49
51 to 100	6.96	6.95	8.88	5.52	7.48	7.25	6.61
More than 100	7.75	6.62	10.14	6.83	8.06	8.08	7.48
Don't know	0.15	0.05	0.17	0.22	0.26	0.00	0.16
	<i>n</i>	5861	1827	1735	2299	1564	1089
<b>&lt;CC1&gt; How many square feet of heated or cooled floor area is your facility?</b>							
1 to 500	4.51	5.09	3.73	4.65	3.13	3.28	5.58
501 to 1000	9.60	8.95	6.75	12.34	6.79	10.01	10.77
1001 to 5000	34.10	34.45	29.05	37.78	35.06	31.06	34.70
5001 to 10000	8.63	8.50	9.77	7.85	9.74	8.89	8.02
10001 to 50000	8.50	8.21	10.78	6.94	11.33	8.73	7.08
50001 to 100000	1.19	1.33	1.16	1.10	1.77	1.36	0.86
more than 100000	1.01	1.29	0.96	0.83	1.00	2.08	0.64
Not applicable	7.20	6.97	6.60	7.85	5.79	6.08	8.25
Refused	0.15	0.30	0.05	0.12	0.12	0.16	0.17
Don't know	25.12	24.91	31.17	20.54	25.27	28.34	23.93
	<i>n</i>	6545	2023	1986	2536	1694	3602
<b>&lt;CC3&gt; Would you say that the heated or cooled floor area is ...?</b>							
less than 1,500 sqft	22.07	20.78	16.13	30.34	10.00	14.89	30.99
1,500 - 5,000 sqft	28.60	28.63	29.19	27.86	28.37	25.00	30.18
5,000 - 10,000 sqft	12.76	12.35	14.84	10.69	14.65	17.42	9.91
10,000 - 25,000 sqft	8.40	7.84	8.87	8.40	12.56	8.71	6.22
25,000 - 50,000 sqft	5.44	6.08	6.29	3.82	8.84	5.34	3.80

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
50,000 - 75,000 sqft	1.81	1.37	2.10	1.91	2.09	1.12	1.96
75,000 - 100,000 sqft	1.21	0.78	1.77	0.95	2.56	0.56	0.81
greater than 100,000 sqft	3.57	2.55	5.48	2.29	3.95	5.34	2.65
REFUSED	0.73	1.18	0.48	0.57	0.70	1.12	0.58
DON'T KNOW	15.42	18.43	14.84	13.17	16.28	20.51	12.90
<i>n</i>	1654	510	620	524	430	356	868
<b>&lt;CC3A&gt; Is your space heated using electricity or gas?</b>							
Electricity	38.24	30.72	36.50	45.70	32.79	36.46	41.51
Gas,	36.17	43.98	39.68	27.09	42.24	38.84	32.28
Both elect/gas,	9.48	12.10	10.62	6.46	11.89	10.14	8.08
Propane,	1.86	3.40	1.67	0.77	2.75	2.56	1.18
NONE	9.48	5.57	8.09	13.74	7.57	7.58	11.07
Steam	0.15	0.32	0.16	0.00	0.06	0.43	0.09
Other mixed source (ex. Wood and Diesel, Electric and Propane)	0.23	0.48	0.05	0.17	0.31	0.43	0.12
Other @-record	0.64	1.17	0.27	0.51	0.50	0.77	0.67
REFUSED	0.03	0.00	0.05	0.04	0.06	0.09	0.00
DON'T KNOW	3.72	2.28	2.91	5.52	1.81	2.73	4.99
<i>n</i>	6077	1885	1855	2337	1598	1174	3305
<b>&lt;CC4&gt; Does your organization own, lease or manage the facility?</b>							
Own	44.79	54.24	53.32	30.56	54.83	53.04	37.20
Lease/Rent	49.92	41.51	39.98	64.43	40.09	40.32	57.88
Manage	4.22	3.46	5.14	4.10	4.30	5.44	3.75
REFUSED	0.18	0.10	0.25	0.20	0.12	0.08	0.25
DON'T KNOW	0.89	0.69	1.31	0.71	0.65	1.12	0.92
<i>n</i>	6548	2026	1986	2536	1696	1250	3602
<b>&lt;CC5&gt; Does your organization pay the electric and/or gas utility bill?</b>							
YES	82.66	81.40	84.21	81.89	88.37	84.34	79.10
NO	15.32	16.28	13.53	16.54	11.63	12.05	18.64
REFUSED	0.58	1.16	0.00	0.79	0.00	0.00	1.13
DON'T KNOW	1.45	1.16	2.26	0.79	0.00	3.61	1.13
<i>n</i>	346	86	133	127	86	83	177
<b>&lt;CC5A&gt; Which of the following best describes how your business pays the electric and/or gas utility bill for your space at this facility?</b>							
You pay UTILITY directly	93.45	94.89	93.45	92.72	96.62	93.65	92.37
You pay a fee to your landlord that varies according to the size of the total utility bill	1.32	1.19	1.26	1.41	0.74	1.39	1.49
You pay a fixed fee to your landlord	0.73	0.83	0.63	0.73	0.74	0.60	0.77
You do not pay for electric and gas utilities	0.64	0.60	0.50	0.73	0.44	0.60	0.72
Corporate office handles the bill	0.52	0.48	0.25	0.67	0.29	0.00	0.72
Not applicable	0.03	0.00	0.13	0.00	0.00	0.20	0.00
OTHER ARRANGEMENT -describe	0.55	0.71	0.50	0.49	0.29	0.60	0.62
DON'T KNOW	2.75	1.31	3.28	3.24	0.88	2.98	3.31
<i>n</i>	3269	841	794	1634	680	504	2085
<b>&lt;CC6&gt; How active a role does your business take in making lighting and climate control equipment purchase decisions at this facility? Would you say you are....</b>							
Very active, involved in all phases and have veto power	56.13	58.49	60.32	50.97	69.10	59.81	48.75
Somewhat active, we approve decisions & provide some input & review	18.74	18.81	18.08	19.21	16.33	19.54	19.60
Slightly active, we have a voice but it's not the dominant voice	9.07	9.58	7.45	9.94	7.49	7.93	10.22
Not active at all, we're part of a larger organization	4.75	4.24	4.03	5.72	2.30	5.12	5.77
Or, not active at all, our firm doesn't get involved in these issues	9.04	6.71	7.85	11.83	3.95	5.84	12.55
REFUSED	0.20	0.35	0.20	0.08	0.06	0.08	0.31
DON'T KNOW	2.06	1.83	2.06	2.25	0.77	1.68	2.80
<i>n</i>	6547	2026	1986	2535	1696	1249	3602

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any	
<b>&lt;CC7&gt; How long is the term of your lease?</b>								
1 year	10.47	11.89	9.70	10.10	8.53	9.74	11.27	
2 years	5.42	5.11	5.16	5.70	5.15	5.57	5.47	
3 years	10.56	8.32	10.33	11.82	9.27	8.75	11.41	
4 years	1.74	1.78	1.51	1.84	0.88	1.79	2.01	
5 years	23.87	21.28	23.05	25.60	26.32	22.86	23.31	
6 years	0.95	0.83	1.26	0.86	0.59	1.99	0.82	
7 years	1.04	1.31	0.25	1.29	1.32	1.19	0.91	
8 years	0.52	0.24	0.38	0.73	0.59	0.40	0.53	
9 years	0.12	0.12	0.13	0.12	0.15	0.20	0.10	
10 years	9.85	10.11	10.20	9.55	11.91	10.34	9.06	
Greater than 10 years	7.96	7.02	9.70	7.59	11.03	10.34	6.38	
Month to month	9.94	11.77	12.22	7.90	9.71	8.75	10.31	
6 months	0.09	0.24	0.00	0.06	0.00	0.00	0.14	
Not applicable	0.15	0.12	0.13	0.18	0.00	0.20	0.19	
OPEN\Other lease term-describe	1.29	2.50	0.76	0.92	1.77	1.59	1.06	
Refused	2.82	3.92	2.39	2.45	3.68	3.18	2.45	
Don't know	13.22	13.44	12.85	13.29	9.12	13.12	14.58	
	<i>n</i>	3268	841	794	1633	680	503	2085
<b>&lt;CC8&gt; In what year was the facility built?</b>								
1850 TO 1900	1.80	4.00	0.65	0.95	3.13	2.16	1.05	
1901 to 1950	10.49	15.00	10.22	7.10	18.28	13.61	5.75	
1951 to 2000	33.83	34.01	36.10	31.91	40.21	39.71	28.79	
Later than 2001	6.86	5.33	7.15	7.85	5.31	6.49	7.72	
Refused	0.15	0.10	0.20	0.16	0.12	0.16	0.17	
Don't know	46.86	41.56	45.67	52.03	32.96	37.87	56.52	
	<i>n</i>	6547	2026	1986	2535	1696	1249	3602
<b>&lt;CC10&gt; Was your facility built...</b>								
After 2000	3.05	1.66	1.98	4.69	1.43	2.53	3.62	
In the 1990's	8.74	6.52	7.03	11.34	6.60	9.68	9.11	
1980s	16.83	13.63	17.56	18.37	16.40	14.32	17.53	
1970s	17.19	14.10	18.88	17.99	17.29	16.21	17.38	
1960s	12.51	13.39	16.80	8.99	13.73	12.63	12.14	
1950 OR	9.68	12.09	10.10	7.86	11.41	12.63	8.52	
Before 1950	13.55	22.51	11.97	8.92	22.10	14.95	10.87	
REFUSED	0.19	0.12	0.22	0.23	0.18	0.00	0.24	
DON'T KNOW	18.26	16.00	15.48	21.62	10.87	17.05	20.57	
	<i>n</i>	3078	844	911	1323	561	475	2042
<b>&lt;CC11&gt; In what year was this facility last remodeled?</b>								
1950 TO 1960	0.41	0.44	0.45	0.36	0.94	0.32	0.19	
1961 to 1970	0.78	1.14	0.81	0.47	1.59	0.96	0.33	
1971 to 1980	1.77	2.17	1.96	1.30	2.89	1.60	1.30	
1981 to 1990	4.02	6.02	3.32	2.96	6.31	4.32	2.83	
1991 to 2000	10.00	13.08	8.36	8.84	13.62	11.13	7.91	
Later than 2001	64.49	60.12	67.32	65.76	60.26	64.53	66.46	
Refused	0.20	0.25	0.20	0.16	0.06	0.16	0.28	
Don't know	18.33	16.78	17.57	20.16	14.33	16.97	20.68	
	<i>n</i>	6547	2026	1986	2535	1696	1249	3602
<b>&lt;CC11A&gt; Would you say the last remodeling was done...</b>								
Between 2005 and Present	6.84	9.28	6.52	5.44	9.84	6.54	5.96	
Between the years 2000 and 2004	7.17	5.80	8.22	7.38	7.38	9.35	6.49	
During the 1990's OR	18.38	18.26	20.11	17.28	16.80	22.90	17.62	
Before the 1990's	19.62	27.25	17.85	15.73	31.97	21.96	14.97	
REFUSED	0.66	0.58	0.57	0.78	0.41	0.00	0.93	
DON'T KNOW	47.32	38.84	46.74	53.40	33.61	39.25	54.04	
	<i>n</i>	1213	345	353	515	244	214	755

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;CA1&gt; How important is being environmentally conscious to your business? Would you say it is ...</b>							
Essential to your business	16.43	18.55	14.56	15.87	17.16	15.45	0.00
Very important	48.83	49.86	48.31	48.21	46.93	51.40	0.00
Somewhat important OR	29.27	26.26	31.38	30.56	30.31	27.86	0.00
Not at all important	4.52	4.38	4.85	4.37	4.78	4.16	0.00
REFUSED	0.10	0.29	0.00	0.00	0.12	0.08	0.00
DON'T KNOW	0.85	0.67	0.90	0.99	0.71	1.04	0.00
	<i>n</i> 2945	1051	886	1008	1696	1249	0
<b>&lt;CA2&gt; In marketing materials or in communications with customers, does your company highlight the ways in which your business is environmentally conscious?</b>							
YES	36.31	38.59	36.89	33.44	35.98	36.77	0.00
NO	60.45	58.19	59.16	63.94	61.52	59.00	0.00
In the process/Trying/Somewhat	0.50	1.01	0.36	0.11	0.56	0.42	0.00
Not applicable	0.04	0.10	0.00	0.00	0.06	0.00	0.00
OPEN \ RECORD OTHER	0.29	0.30	0.36	0.21	0.25	0.34	0.00
REFUSED	0.07	0.00	0.24	0.00	0.12	0.00	0.00
DON'T KNOW	2.33	1.81	2.99	2.31	1.50	3.47	0.00
	<i>n</i> 2784	995	835	954	1601	1183	0
<b>&lt;CA3A&gt; Suppose your company identified an energy efficient building upgrade, such as a lighting change@-out, that would pay for itself through reduced utility bills within 2 years. If the cost of this upgrade were \$2,000.00, how difficult would it be for your company to find the funds to invest in this energy efficient upgrade? Would you say.....</b>							
Very difficult, the funds would likely not be availabl	28.62	28.64	29.01	28.27	28.71	28.50	0.00
Somewhat difficult, it would take some work, but funding could be found	33.51	31.21	33.75	35.71	34.67	31.95	0.00
Not difficult, finding the funds for such an investment would be easy	33.01	34.06	33.30	31.65	32.78	33.31	0.00
REFUSED	1.53	2.47	0.90	1.09	1.42	1.68	0.00
DON'T KNOW	3.33	3.62	3.05	3.27	2.42	4.56	0.00
	<i>n</i> 2945	1051	886	1008	1696	1249	0
<b>&lt;CAPB&gt; Given that it would take 2 years to recoup the initial investment through reduced utility bills, how interested would your company be in pursuing such an investment? Would you say...</b>							
Very	23.39	23.79	24.94	21.61	24.06	22.48	0.00
Somewhat OR	42.12	40.44	43.68	42.52	44.81	38.48	0.00
Not at all interested	30.21	30.64	27.43	32.21	28.36	32.72	0.00
REFUSED	0.95	1.43	0.68	0.69	0.88	1.04	0.00
DON'T KNOW	3.33	3.71	3.27	2.97	1.89	5.28	0.00
	<i>n</i> 2946	1051	886	1009	1696	1250	0
<b>&lt;CA4&gt; Prior to 2006, had your facility ever installed equipment that involved the receipt of rebates or incentives from an energy efficiency program?</b>							
YES	21.72	22.65	21.56	20.91	21.70	21.76	0.00
NO	67.04	66.51	65.91	68.58	68.34	65.28	0.00
REFUSED	0.03	0.10	0.00	0.00	0.00	0.08	0.00
DON'T KNOW	11.20	10.75	12.53	10.51	9.96	12.88	0.00
	<i>n</i> 2946	1051	886	1009	1696	1250	0

	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;CA6C&gt; What type of equipment did you install through this (these) program(s)?</b>							
Indoor Lighting	46.56	45.80	41.89	51.66	46.20	47.06	0.00
Cooling Equipment	21.09	16.39	29.84	18.48	21.20	20.96	0.00
Natural Gas equipment (water heater/furn)	12.81	10.08	18.85	10.43	13.59	11.77	0.00
Insulation or windows	4.53	6.72	5.24	1.42	4.62	4.41	0.00
Refrigeration	14.38	17.65	9.95	14.69	15.22	13.24	0.00
Industrial Process Equipment	1.41	1.68	1.05	1.42	1.36	1.47	0.00
Greenhouse Heat Curtains OR	0.47	0.42	0.52	0.47	0.54	0.37	0.00
Food Service Equipment	4.69	5.88	4.19	3.79	4.35	5.15	0.00
Outdoor Lighting	2.66	2.94	2.09	2.84	2.72	2.57	0.00
Toilets	2.66	2.52	2.09	3.32	2.72	2.57	0.00
Lighting (did not specify location)	0.78	0.42	1.05	0.95	0.54	1.10	0.00
Office Equipment (ex: computer and printers)	0.78	0.84	0.52	0.95	0.00	1.84	0.00
Thermostat	1.56	1.68	1.57	1.42	1.63	1.47	0.00
Washer and/or Dryer	2.50	3.78	0.52	2.84	3.26	1.47	0.00
Solar Equipment	2.34	4.20	1.57	0.95	2.99	1.47	0.00
	<i>n</i>	640	238	191	211	368	272
							0
<b>&lt;AP6A&gt; Are you aware of any programs or resources that are designed to promote energy efficiency for organizations like yours?</b>							
Express Program	1.04	0.25	2.06	0.87	1.24	2.08	0.58
SPC/Standard Performance Contracting	0.53	0.20	0.60	0.75	0.88	1.20	0.14
20/20	1.02	1.73	0.50	0.87	1.83	1.36	0.53
Flex Your Power	2.14	2.37	1.01	2.84	3.54	2.96	1.19
Distributor incentives	1.48	1.38	1.66	1.42	1.24	1.28	1.67
Upstream HVAC & Motors Program	1.08	0.74	1.21	1.26	1.59	1.36	0.75
Rebates (Unspecified)	11.29	11.70	10.88	11.28	11.26	10.16	11.69
Nonresidential Audits or Energy Audits	2.14	3.21	1.46	1.81	2.30	1.36	2.33
Aware/Aware but can't remember specifics	0.93	1.33	0.65	0.83	1.24	1.68	0.53
PGE Programs/Rebates	3.08	9.72	0.20	0.04	3.89	3.92	2.42
SDGE Programs/Rebates	4.57	0.10	0.25	11.51	3.36	4.00	5.33
Solar Programs	1.56	2.02	1.76	1.03	3.13	1.44	0.86
SCE Programs/Rebates	2.64	0.05	8.41	0.20	1.77	2.24	3.19
On-Call Program	2.26	1.18	2.27	3.12	0.24	0.24	3.91
A/C cycling	1.04	0.00	1.46	1.54	1.30	0.64	1.05
Lighting Program (did not specify)	1.19	0.69	1.31	1.50	2.18	2.56	0.25
Energy Star Program	0.41	0.38	0.45	0.40	0.41	0.40	0.00
Water Saving Program (did not specify)	0.41	0.29	0.45	0.50	0.47	0.32	0.00
Demand Response	0.14	0.00	0.00	0.40	0.18	0.08	0.00
NOT AWARE OF ANY	54.34	53.66	57.34	52.43	54.30	54.40	0.00
RECORD OTHERS - PROPE, PROBE, PROBE	4.93	5.08	5.04	4.73	4.89	5.04	4.91
REFUSED	0.20	0.25	0.05	0.28	0.18	0.24	0.19
DONT KNOW	7.59	7.21	7.30	8.12	8.08	8.72	6.97
	<i>n</i>	6548	2026	1986	2536	1696	1250
							3602
<b>&lt;AP20&gt; Have you ever heard of the 20/20 Rebate Program?</b>							
YES	28.61	38.65	21.85	25.97	31.59	28.87	27.14
NO	69.17	58.79	76.63	71.52	67.03	68.53	70.38
REFUSED	0.37	0.35	0.25	0.48	0.06	0.41	0.50
DONT KNOW	1.85	2.21	1.26	2.03	1.32	2.19	1.98
	<i>n</i>	6483	1992	1977	2514	1665	1233
							3585
<b>&lt;AP22&gt; &lt;(AP6A(3))&gt;Earlier you mentioned you had heard of the 20 20 program/&gt; Did you attempt to get the 20/20 rebate during any of the summers from 2005 through 2008?</b>							
YES	14.64	19.53	13.38	9.63	19.39	13.94	12.22
NO	76.93	71.89	78.01	82.22	74.51	75.07	78.99
REFUSED	0.16	0.25	0.23	0.00	0.18	0.00	0.20
DONT KNOW	8.28	8.33	8.39	8.15	5.93	10.99	8.59
	<i>n</i>	1920	804	441	675	557	373
							990



	ALL (%)	PGE (%)	SCE (%)	SDGE (%)	CFL Retail Purchaser (%)	Have CFL but did not purchase at a Retailer	Don't know what CFL is or doesn't own any
<b>&lt;AP23&gt; During which summers did you attempt the 20 percent reduction?</b>							
2005	31.32	36.94	23.73	24.62	36.11	32.69	26.45
2006	41.64	49.05	33.90	30.77	49.07	50.00	31.41
2007	48.04	56.69	32.20	41.54	49.07	57.69	42.98
2008	53.03	59.87	37.29	50.77	49.07	57.69	54.55
None Of These	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REFUSED	0.71	0.64	1.69	0.00	1.85	0.00	0.00
DON'T KNOW	14.24	12.10	22.03	12.31	11.11	11.54	18.18
<i>n</i>	281	157	59	65	108	52	121
<b>&lt;AP24&gt; In which years were you successful in reducing your electricity bill by 20 percent?</b>							
2005	10.32	10.83	10.17	9.23	8.33	13.46	10.74
2006	17.44	17.83	16.95	16.92	20.37	26.92	10.74
2007	17.79	24.20	8.47	10.77	21.30	26.92	10.74
2008	17.08	19.11	16.95	12.31	15.74	25.00	14.88
NONE OF THESE	46.62	42.04	47.46	56.92	40.74	32.69	57.85
REFUSED	0.36	0.64	0.00	0.00	0.93	0.00	0.00
DON'T KNOW	11.39	10.19	16.95	9.23	9.26	11.54	13.22
<i>n</i>	281	157	59	65	108	52	121

# Downstream Banners

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	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE BOILER (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)	SCG CFL (%)	SCG HIBAY (%)	SCG LINEAR (%)	SCG LT CONTROLS (%)	SCG OTHER (%)
<b>&lt;CC1,CC3&gt; How many square feet of heated or cooled floor area is your facility?</b>																						
None	0.39	0.00	0.41	0.27	0.55	0.00	0.00	0.13	0.00	0.12	0.00	0.00	0.56	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<1,500 sqft	28.48	15.31	11.48	15.19	7.14	10.00	7.79	40.78	15.79	37.65	0.00	21.97	30.00	21.19	33.23	23.11	16.00	0.00	0.00	0.00	0.00	4.00
1,500 - 5,000 sqft	32.84	28.13	20.08	32.53	18.13	6.67	22.73	39.02	17.94	36.93	20.59	36.77	30.00	27.12	35.94	37.91	34.00	0.00	0.00	25.00	0.00	32.00
5,000 - 10,000 sqft	11.52	13.44	13.53	11.63	8.24	10.00	10.71	9.34	15.79	11.08	17.65	13.45	13.89	17.90	11.87	14.08	20.67	100.00	0.00	50.00	0.00	8.00
10,000 - 25,000 sqft	8.30	14.06	13.93	13.44	17.03	13.33	13.64	3.66	12.28	4.94	17.65	10.31	8.33	13.56	7.57	7.58	6.00	0.00	0.00	0.00	0.00	12.00
25,000 - 50,000 sqft	5.32	6.88	11.07	5.78	6.59	16.67	9.42	1.39	24.56	2.59	23.53	4.93	7.78	7.63	4.14	6.50	8.67	0.00	0.00	0.00	0.00	9.33
50,000 - 75,000 sqft	1.86	3.44	6.15	2.02	8.24	13.33	3.90	0.51	5.26	0.66	2.94	1.79	0.56	4.24	0.48	2.53	1.33	0.00	0.00	0.00	0.00	4.00
75,000 - 100,000 sqft	1.29	2.50	1.64	3.09	2.20	3.33	5.52	0.13	1.75	0.54	2.94	0.90	1.67	1.70	0.40	1.08	1.33	0.00	0.00	0.00	0.00	5.00
>100,000 sqft	5.68	7.50	18.03	11.02	25.28	23.33	20.78	0.63	1.75	1.87	14.71	3.59	2.78	4.24	1.91	3.61	6.67	0.00	0.00	0.00	0.00	25.33
Refused	0.42	0.63	0.41	0.13	0.55	0.00	0.00	0.51	0.00	0.42	0.00	0.00	0.00	0.00	0.72	0.36	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	3.88	8.13	3.28	4.70	6.04	3.33	5.52	3.91	5.26	3.19	0.00	6.28	4.44	2.54	3.35	3.25	5.33	0.00	0.00	25.00	0.00	0.00
n	3,325	320	244	744	182	30	308	792	57	1,660	34	223	180	118	1,255	277	150	7	-	4	-	75
<b>&lt;CC3a&gt; Is your space heated using electricity or gas?</b>																						
Electricity	37.60	33.23	21.63	23.40	25.68	9.38	26.95	39.44	45.90	39.26	44.12	40.00	42.08	47.11	46.74	51.07	38.96	0.00	0.00	0.00	0.00	8.75
Gas	33.02	40.37	48.57	53.21	45.36	56.25	47.08	31.43	36.07	31.15	47.06	36.89	31.15	26.45	21.68	25.71	32.47	0.00	0.00	20.00	0.00	52.50
Both electricity and gas	0.88	3.11	2.04	2.41	1.09	0.00	0.65	0.12	0.00	0.29	0.00	0.00	0.55	0.83	0.47	0.36	0.00	0.00	0.00	0.00	0.00	0.00
Propane	9.25	18.01	9.39	12.97	15.30	15.63	18.18	6.43	1.64	6.91	8.82	9.33	10.38	11.57	6.76	10.36	12.34	0.00	0.00	0.00	0.00	17.50
Not applicable/No heating	14.69	3.11	13.88	3.61	9.29	15.63	3.57	19.42	16.39	19.00	0.00	10.22	9.29	9.09	17.44	6.79	9.74	100.00	0.00	80.00	0.00	21.25
Other	0.88	1.24	1.63	2.41	2.73	3.13	0.65	0.12	0.00	0.23	0.00	0.00	1.09	0.83	1.26	1.07	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	3.67	0.93	2.86	2.01	0.55	0.00	2.92	3.03	0.00	3.17	0.00	3.56	5.46	4.13	5.66	4.64	6.49	0.00	0.00	0.00	0.00	0.00
n	3,404	322	245	748	183	32	308	824	61	1,737	34	225	183	121	1,273	280	154	7	-	5	-	80
<b>&lt;CC4&gt; Does your business own, lease or manage the facility?</b>																						
Own	39.99	67.39	60.82	62.43	65.57	65.63	73.05	28.16	50.82	29.94	64.71	36.00	38.25	47.11	27.19	36.43	41.56	0.00	0.00	0.00	0.00	66.25
Lease/Rent	57.31	29.19	35.92	33.96	28.42	25.00	22.08	70.51	45.90	68.28	32.35	60.89	59.56	50.41	70.69	62.14	51.95	100.00	0.00	80.00	0.00	30.00
Manage	2.20	2.48	2.45	3.08	4.92	9.38	4.53	1.21	0.00	1.50	0.00	2.23	2.19	2.48	1.49	1.43	5.84	0.00	0.00	20.00	0.00	3.75
Refused	0.06	0.00	0.41	0.13	0.55	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	0.44	0.93	0.41	0.40	0.55	0.00	0.33	0.12	3.28	0.17	2.94	0.89	0.00	0.00	0.63	0.00	0.65	0.00	0.00	0.00	0.00	0.00
n	3,406	322	245	748	183	32	308	824	61	1,737	34	225	183	121	1,276	280	154	7	-	5	-	80
<b>&lt;CC5&gt; Does your company pay the electric and/or gas utility bill?</b>																						
Yes	82.61	100.00	62.50	74.07	90.91	100.00	86.67	81.82	100.00	77.42	100.00	100.00	100.00	66.67	85.19	75.00	90.00	0.00	0.00	100.00	0.00	100.00
No	17.39	0.00	37.50	25.93	9.09	0.00	13.33	18.18	0.00	22.58	0.00	0.00	0.00	33.33	14.81	25.00	10.00	0.00	0.00	0.00	0.00	0.00
n	92	11	8	27	11	3	15	11	2	31	1	7	4	3	27	4	10	-	-	1	-	3
<b>&lt;CC5a&gt; Which of the following best describes how your business pays the electric and/or gas utility bill for your space at this facility??</b>																						
You pay & UTILITY directly	95.39	96.81	94.32	95.67	95.15	87.50	97.06	96.73	89.29	95.78	100.00	94.89	96.33	90.16	95.34	93.10	88.75	100.00	0.00	100.00	0.00	100.00
You pay a fee to your landlord that varies according to the size of the total utility bill	0.97	1.06	0.00	2.36	4.93	0.00	1.47	0.38	3.57	0.58	0.00	0.73	1.84	0.00	1.44	2.87	1.25	0.00	0.00	0.00	0.00	0.00
You pay a fixed fee to your landlord	0.51	0.00	1.14	0.79	0.00	0.00	0.00	0.34	3.57	0.58	0.00	0.73	0.00	3.28	0.33	0.58	0.00	0.00	0.00	0.00	0.00	0.00
You do not pay for electric and gas utilities	0.36	1.06	0.00	0.00	0.00	0.00	0.34	0.00	0.42	0.00	0.42	0.00	0.73	0.92	1.64	0.33	0.58	1.25	0.00	0.00	0.00	0.00
pay part of bill to landlord, part to utilities directly	0.20	0.00	1.14	0.00	0.00	12.50	0.00	0.17	0.00	0.08	0.00	0.00	0.00	0.00	0.11	0.58	0.00	0.00	0.00	0.00	0.00	0.00
6	0.41	0.00	0.00	0.79	0.00	0.00	1.47	0.69	0.00	0.51	0.00	0.73	0.00	1.64	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.31	0.00	1.14	0.00	1.92	0.00	0.00	0.34	0.00	0.25	0.00	0.73	0.92	0.00	0.22	0.58	2.50	0.00	0.00	0.00	0.00	0.00
Don't know	1.84	1.06	2.27	0.39	1.92	0.00	0.00	1.03	3.57	1.77	0.00	1.46	0.00	3.28	2.00	1.72	6.25	0.00	0.00	0.00	0.00	0.00
n	1,952	94	88	254	52	8	68	581	28	1,186	11	137	109	61	902	174	80	7	-	4	-	24
<b>&lt;CC6&gt; How active a role does your business take in making lighting and climate control equipment purchase decisions at this SERV_ADDR?</b>																						
Very active - involved in all phases and have veto power	61.04	72.98	64.49	75.13	72.13	84.38	73.05	56.07	68.85	57.69	73.53	57.78	55.74	60.33	53.76	58.21	66.23	100.00	0.00	80.00	0.00	78.75
Somewhat active - we approve decisions and provide some input and review	19.96	14.60	21.63	15.11	19.13	9.38	17.86	19.66	26.23	20.44	26.47	23.11	19.67	23.97	22.34	19.29	17.53	0.00	0.00	0.00	0.00	15.00
Slightly active - we have a voice but it's not the dominant voice	8.31	7.14	9.39	5.08	6.01	3.13	5.20	9.66	1.64	8.81	0.00	9.78	8.20	9.09	10.89	8.93	8.44	0.00	0.00	0.00	0.00	3.75
Not active at all - we're part of a larger firm	3.20	0.93	3.27	0.94	2.19	0.00	1.30	4.01	1.64	3.45	0.00	2.22	5.46	3.31	3.92	4.29	4.55	0.00	0.00	0.00	0.00	0.00
Or, not active at all - our firm doesn't get involved in these issues	5.93	4.35	0.41	2.81	0.55	3.13	1.95	7.89	1.64	7.20	0.00	5.33	8.20	3.31	7.60	7.86	2.60	0.00	0.00	0.00	0.00	2.50
Refused	0.23	0.00	0.41	0.00	0.00	0.00	0.00	0.36	0.00	0.29	0.00	0.44	0.55	0.00	0.31	0.36	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	1.32	0.00	0.41	0.94	0.00	0.00	0.65	2.43	0.00	2.13	0.00	1.33	2.19	0.00	1.18	1.07	0.65	0.00	0.00	20.00	0.00	0.00
n	3,406	322	245	748	183	32	308	824	61	1,737	34	225	183	121	1,276	280	154	7	-	5	-	80
<b>&lt;CC7&gt; How long is the term of your lease?</b>																						
1 year	10.55	10.64	5.68	11.42	9.62	12.50	4.41	13.08	17.86	11.72	9.09	5.84	12.84	11.48	10.20	13.79	7.50	100.00	0.00	50.00	0.00	4.17
2 years	6.81	7.45	2.27	4.33	3.85	0.00	2.94	8.09	0.00	8.43	0.00	4.38	7.34	3.28	6.65	4.60	0.00	0.00	0.00	0.00	0.00	4.17
3 years	13.22	8.51	15.91	12.21	13.46	12.50	7.35	12.22	17.86	12.48	9.09	16.06	15.60	6.56	14.52	20.69	11.25	0.00	0.00	0.00	0.00	4.17
4 years	1.06	1.06																				



	ALL(%)	PGE CFL(%)	PGE HIBAY(%)	PGE LINEAR(%)	PGE LT CONTROLS(%)	PGE BOILER(%)	PGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;BC120&gt; What month did this change in square feet occur? If you can not get month, try to get the season.?</b>																						
January	10.44	8.33	3.57	8.70	0.00	0.00	0.00	10.34	0.00	14.55	0.00	0.00	10.00	16.67	15.38	15.00	20.00	0.00	0.00	0.00	0.00	20.00
February	3.30	0.00	7.14	2.17	0.00	0.00	10.53	6.90	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
March	3.85	0.00	3.57	0.00	0.00	0.00	0.00	17.24	0.00	12.73	0.00	14.29	0.00	0.00	1.28	5.00	20.00	0.00	0.00	0.00	0.00	0.00
April	6.04	16.67	7.14	13.04	5.56	25.00	0.00	3.45	0.00	5.45	0.00	14.29	0.00	0.00	3.85	5.00	0.00	0.00	0.00	0.00	0.00	0.00
May	4.40	8.33	0.00	8.70	0.00	0.00	0.00	3.45	0.00	7.27	0.00	0.00	10.00	0.00	3.85	10.00	0.00	0.00	0.00	0.00	0.00	0.00
June	6.04	8.33	0.00	0.00	0.00	0.00	5.26	0.00	25.00	3.64	0.00	14.29	0.00	16.67	8.97	0.00	20.00	0.00	0.00	0.00	0.00	0.00
July	6.04	8.33	7.14	4.35	11.11	0.00	5.26	3.45	50.00	5.45	100.00	0.00	20.00	16.67	2.56	10.00	0.00	0.00	0.00	0.00	0.00	0.00
August	6.04	8.33	3.57	8.70	16.67	0.00	5.26	6.90	0.00	3.64	0.00	0.00	0.00	16.67	5.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
September	5.50	8.33	10.71	4.35	0.00	50.00	21.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.97	5.00	0.00	0.00	0.00	0.00	0.00	0.00
October	3.85	0.00	7.14	13.04	5.56	0.00	5.26	3.45	0.00	3.64	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
November	5.50	0.00	7.14	0.00	5.56	0.00	0.00	6.90	0.00	5.45	0.00	14.29	10.00	0.00	8.97	5.00	0.00	0.00	0.00	0.00	0.00	0.00
December	2.75	0.00	3.57	4.35	0.00	25.00	0.00	0.00	0.00	5.45	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fall	2.20	0.00	3.57	4.35	0.00	0.00	0.00	3.45	0.00	3.64	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter	3.85	0.00	0.00	0.00	5.56	0.00	0.00	6.90	0.00	3.64	0.00	0.00	0.00	0.00	6.41	5.00	0.00	0.00	0.00	0.00	0.00	20.00
Spring	5.50	16.67	0.00	10.87	0.00	0.00	5.26	0.00	0.00	0.00	0.00	0.00	20.00	0.00	7.69	15.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer	10.99	0.00	17.86	6.52	22.22	0.00	10.53	6.90	25.00	1.82	0.00	14.29	10.00	16.67	12.82	20.00	20.00	0.00	0.00	0.00	0.00	60.00
Refused	1.10	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.00	1.82	0.00	14.29	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	12.64	16.67	17.86	10.87	27.78	0.00	31.58	17.24	0.00	12.73	0.00	0.00	20.00	16.67	7.69	5.00	20.00	0.00	0.00	0.00	0.00	0.00
n	182	12	28	46	18	4	19	29	4	55	2	7	10	6	78	20	5	-	-	-	-	5
<b>&lt;FM050&gt; What is the main business ACTIVITY at your facility?</b>																						
OFFICE	13.12	11.52	2.81	16.80	8.21	18.75	12.66	15.94	4.92	14.01	8.82	12.00	11.48	5.88	13.06	14.49	10.46	0.00	0.00	0.00	0.00	2.50
Retail (non food)	15.25	17.88	9.64	17.86	4.10	0.00	10.76	19.20	3.28	18.32	0.00	14.22	15.30	9.24	15.03	8.70	9.80	0.00	0.00	0.00	0.00	3.75
College/University	0.20	0.30	0.00	0.40	0.00	3.13	0.32	0.00	0.00	0.11	0.00	0.44	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	2.50
School	2.89	0.91	6.43	4.10	9.74	6.25	6.65	2.05	1.64	2.01	8.82	2.67	1.64	1.68	1.73	1.81	4.58	0.00	0.00	0.00	0.00	11.25
Grocery Store	1.72	0.30	0.00	1.19	0.00	0.00	0.95	3.02	0.00	2.87	0.00	5.33	0.55	0.00	1.49	0.00	4.58	0.00	0.00	0.00	0.00	0.00
Restaurant	3.70	4.85	0.00	2.78	0.51	6.25	2.53	5.44	0.00	3.91	0.00	9.78	3.28	0.00	2.36	1.09	14.38	0.00	0.00	0.00	0.00	12.50
Health care	6.45	5.15	0.40	5.69	1.03	0.00	5.06	11.59	0.00	9.82	0.00	11.56	4.92	0.84	5.35	3.26	3.92	0.00	0.00	20.00	0.00	1.25
Hospital	0.29	0.61	0.00	0.13	0.51	0.00	0.95	0.00	0.00	0.23	0.00	0.44	0.00	0.00	0.47	0.00	1.31	0.00	0.00	0.00	0.00	1.25
Hotel/Motel	4.37	30.61	0.00	5.82	16.92	15.63	19.30	1.81	0.00	0.52	8.82	0.89	5.46	0.00	0.71	1.09	4.58	0.00	0.00	0.00	0.00	12.50
Warehouse	5.40	3.33	18.07	5.82	13.85	0.00	3.80	2.66	22.95	4.54	26.47	4.89	3.28	15.97	4.09	9.78	3.27	0.00	0.00	0.00	0.00	1.25
Construction	1.22	0.91	1.61	1.85	0.51	0.00	0.95	1.21	4.92	1.09	0.00	0.00	2.19	2.52	1.02	1.81	0.65	0.00	0.00	0.00	0.00	0.00
Community	4.70	6.67	0.80	6.09	1.54	9.38	7.91	3.87	0.00	2.81	5.88	11.56	19.13	3.36	4.72	10.51	8.50	0.00	0.00	0.00	0.00	2.50
Indust Proc/Inf	13.01	0.91	29.32	8.20	14.36	12.50	6.96	8.94	39.34	14.47	32.35	5.33	7.65	39.50	15.26	18.48	7.19	0.00	0.00	0.00	0.00	0.00
Condo Assoc/Apt	0.47	2.42	0.00	0.53	2.05	0.00	1.59	0.36	0.00	0.11	0.00	1.78	1.09	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	2.50
Greenhouse	0.38	0.30	1.21	0.13	0.51	0.00	0.63	0.12	0.00	0.06	0.00	0.44	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25
Laundry/Cleaners	2.07	0.30	0.80	0.66	0.00	9.38	0.00	2.17	0.00	1.84	0.00	0.00	2.19	0.00	2.91	0.36	0.65	0.00	0.00	20.00	0.00	18.75
Food Proc/Inf	0.61	0.30	4.82	1.59	1.03	3.13	1.58	0.36	0.00	0.23	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Auto/boat/aircraft Repair	4.26	2.42	4.02	3.31	0.51	3.13	1.58	8.70	8.20	9.59	0.00	2.67	1.64	5.04	2.28	2.17	1.31	0.00	0.00	0.00	0.00	0.00
Recreation	0.61	0.61	1.61	1.19	1.54	0.00	1.90	0.48	1.64	0.40	0.00	0.89	1.09	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Printing	0.73	0.61	1.61	1.06	1.54	0.00	0.00	1.09	1.64	1.21	0.00	0.44	1.09	0.84	0.31	1.09	0.00	0.00	0.00	0.00	0.00	0.00
Wholesale distribution	1.52	0.91	4.82	1.72	3.59	0.00	0.32	1.21	4.92	1.72	2.94	1.78	1.64	2.52	0.63	1.45	1.31	0.00	0.00	0.00	0.00	0.00
Other service	3.00	3.33	1.21	4.37	2.56	6.25	0.63	5.44	0.00	4.65	0.00	2.67	2.19	2.52	1.73	0.36	0.65	0.00	0.00	0.00	0.00	0.00
Research	0.17	0.00	0.00	0.93	0.00	0.00	0.32	0.12	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other/Record Response	13.71	4.55	10.84	7.54	15.39	6.25	12.66	4.11	4.92	4.94	5.88	8.89	13.66	9.24	26.36	23.55	22.88	100.00	0.00	60.00	0.00	18.75
Refused	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.11	0.00	0.44	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	0.06	0.30	0.00	0.27	0.00	0.00	0.00	0.12	0.00	0.11	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	3,429	330	249	756	195	32	316	828	61	1,741	34	225	183	119	1,271	276	153	7	-	5	-	80
<b>&lt;FM070&gt;Approximately how many people are currently working at the facility, including individuals either full- or part-time?</b>																						
< 100	90.55	90.06	83.47	83.56	76.37	64.52	72.28	97.57	86.89	94.59	76.47	90.67	93.99	90.91	94.83	91.04	87.66	100.00	0.00	60.00	0.00	70.00
100 - 200	3.33	4.35	6.68	6.11	9.34	6.45	9.57	0.38	8.20	2.30	8.82	3.56	0.55	4.13	1.49	2.51	3.25	0.00	0.00	0.00	0.00	8.75
200 - 300	1.29	0.93	2.48	2.58	3.30	9.68	4.95	0.00	1.64	30.46	5.88	0.89	0.55	1.65	0.24	1.79	1.30	0.00	0.00	0.00	0.00	10.00
300 - 400	0.44	0.62	0.83	1.50	1.65	6.45	2.97	0.00	0.00	0.06	0.00	0.00	0.55	0.00	0.08	0.36	0.00	0.00	0.00	0.00	0.00	1.25
400 - 500	0.29	0.31	0.41	0.54	1.65	6.45	0.50	0.00														

	ALL(%)	PGE CFL(%)	PGE HIBAY(%)	PGE LINEAR(%)	PGE LT CONTROLS(%)	PGE BOILER(%)	PGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;PC020&gt;Would these changes have increased or decreased consumption?</b>																						
Increased	35.51	19.23	30.30	30.70	38.71	0.00	26.32	44.68	54.55	40.10	20.00	31.25	50.00	44.44	36.92	42.86	25.00	0.00	0.00	0.00	0.00	38.46
Decreased	63.15	80.77	69.70	69.30	61.29	75.00	73.68	54.26	45.45	56.52	80.00	65.63	50.00	50.00	61.54	53.57	75.00	0.00	0.00	100.00	0.00	61.54
Refused	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	1.12	0.00	0.00	0.00	0.00	25.00	0.00	1.06	0.00	2.42	0.00	0.00	0.00	5.56	1.54	3.57	0.00	0.00	0.00	0.00	0.00	0.00
n	445	52	33	114	31	4	76	94	11	207	5	32	10	18	130	28	16	-	-	1	-	13
<b>&lt;PC030&gt;During what season did these changes take place?</b>																						
Fall	15.51	11.54	18.18	16.67	6.45	0.00	9.21	14.89	27.27	14.01	40.00	6.25	20.00	27.78	16.92	10.71	12.50	0.00	0.00	0.00	0.00	23.08
Winter	19.33	30.77	21.21	14.91	25.81	100.00	23.68	21.28	9.09	18.84	0.00	21.88	10.00	22.22	16.15	21.43	18.75	0.00	0.00	0.00	0.00	15.38
Spring	14.16	23.08	18.18	21.93	19.35	0.00	19.74	12.77	9.09	13.53	0.00	21.88	20.00	5.56	10.00	10.71	18.75	0.00	0.00	0.00	0.00	7.69
Summer	31.46	25.00	27.27	35.09	32.26	0.00	36.84	31.91	18.18	28.50	40.00	28.13	30.00	33.33	33.08	32.14	50.00	0.00	0.00	100.00	0.00	46.15
Don't know	19.55	9.62	15.15	11.40	16.13	0.00	10.53	19.15	36.36	25.12	20.00	21.88	20.00	11.11	23.85	25.00	0.00	0.00	0.00	0.00	0.00	7.69
n	445	52	33	114	31	4	76	94	11	207	5	32	10	18	130	28	16	-	-	1	-	13
<b>&lt;CA1&gt;How important is being environmentally conscious to your business? Would you say it is ...</b>																						
Essential to your business	14.90	15.76	17.27	13.36	18.46	9.38	20.89	13.16	18.03	14.13	29.41	18.22	13.12	13.22	12.77	13.67	15.58	0.00	0.00	0.00	0.00	15.00
Very important	50.23	53.33	51.00	56.35	57.44	59.38	60.44	45.17	39.34	46.41	35.29	41.78	44.81	57.85	50.78	48.93	55.84	100.00	0.00	80.00	0.00	62.50
Somewhat important or Not at all important	29.29	26.97	29.32	27.25	21.54	31.25	16.77	33.45	37.70	31.82	35.29	33.78	36.07	27.27	30.30	32.86	25.97	0.00	0.00	20.00	0.00	17.50
Refused	4.88	3.03	2.41	2.38	2.05	0.00	1.58	7.13	4.92	6.66	0.00	4.89	4.92	1.65	5.53	4.29	2.60	0.00	0.00	0.00	0.00	5.00
Don't know	0.26	0.61	0.00	0.27	0.51	0.00	0.32	0.36	0.00	0.40	0.00	0.89	0.55	0.00	0.16	0.36	0.00	0.00	0.00	0.00	0.00	0.00
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;CA2&gt;In marketing materials or in communications with customers, does your company highlight ways in which your business is environmentally conscious?</b>																						
Yes	40.07	42.90	44.03	45.43	58.42	62.50	59.03	33.95	43.10	36.69	58.88	43.13	37.21	43.22	34.85	40.82	38.67	0.00	0.00	20.00	0.00	56.58
No	56.02	52.05	50.21	49.66	34.74	34.38	36.77	62.11	51.72	59.51	51.72	59.51	60.47	51.70	62.99	56.55	55.33	100.00	0.00	80.00	0.00	35.53
Other (Specify)	0.95	2.21	0.41	0.55	3.16	0.00	1.29	1.05	0.00	0.75	0.00	1.42	0.58	1.70	0.58	0.75	0.00	0.00	0.00	0.00	0.00	3.95
Refused	0.15	0.32	0.00	0.27	0.00	0.00	0.00	0.26	0.00	0.37	0.00	0.47	0.00	0.85	0.08	0.38	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	2.80	2.52	5.35	4.09	3.68	3.13	2.90	2.63	5.17	2.67	11.76	3.79	1.74	2.54	1.49	1.50	6.00	0.00	0.00	0.00	0.00	3.95
n	3,249	317	243	733	190	32	310	760	58	1,608	34	211	172	118	1,205	267	150	7	-	5	-	76
<b>&lt;CA3a&gt;Suppose your company identified an energy efficient building upgrade, such as a lighting change-out, that would pay for itself through reduced utility bills within 2 years...If the cost of this upgrade were \$2,000, how difficult would it be for your company to find the funds to invest in this energy efficient upgrade? Would you say...</b>																						
Very difficult, the funds would likely not be available	23.34	20.81	4.49	14.17	7.65	6.25	11.04	29.85	8.20	27.63	14.71	32.44	31.69	14.88	27.98	23.57	20.78	0.00	0.00	0.00	0.00	12.50
Somewhat difficult, it would take some work, but funding could be found	32.30	33.85	21.22	27.41	24.59	34.38	33.12	36.77	34.43	34.83	17.65	36.89	30.60	31.41	33.07	31.07	29.22	0.00	0.00	20.00	0.00	25.00
Not difficult, finding the funds for such an investment would be easy	41.07	40.06	73.47	55.35	66.67	59.38	52.92	29.49	54.10	34.02	67.65	28.00	34.43	50.41	35.34	41.79	47.40	100.00	0.00	60.00	0.00	60.00
Refused	0.91	1.24	0.00	0.67	0.55	0.00	0.33	1.34	0.00	1.09	0.00	2.22	1.09	0.83	0.94	1.07	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	2.38	4.04	0.82	2.41	0.55	0.00	2.60	2.55	3.28	2.42	0.00	0.44	2.19	2.48	2.66	2.50	2.80	0.00	0.00	20.00	0.00	2.50
n	3,406	322	245	748	183	32	308	824	61	1,737	34	225	183	121	1,276	280	154	7	-	5	-	80
<b>&lt;CAPB&gt;Given that it would take 2 years to recoup the initial investment through reduced utility bills, how interested would your company be in pursuing such an investment? Would you say...?</b>																						
Very Interested	31.87	36.97	52.61	45.37	56.92	62.50	52.22	22.46	36.07	25.39	44.12	27.11	16.39	25.62	25.08	22.86	31.82	0.00	0.00	20.00	0.00	61.25
Somewhat interested	44.39	42.42	38.96	39.29	33.85	37.50	34.18	46.86	55.74	47.62	44.12	44.44	48.09	57.85	45.64	49.29	48.70	100.00	0.00	60.00	0.00	26.29
Not at all interested	21.03	16.97	7.63	13.10	7.19	0.00	11.08	26.81	8.20	23.55	8.82	23.96	32.79	16.53	27.02	26.43	17.53	0.00	0.00	0.00	0.00	10.00
Refused	0.84	0.91	0.00	0.53	0.51	0.00	0.32	1.33	0.00	1.09	0.00	2.87	1.64	0.00	0.62	1.07	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	1.86	2.73	0.80	1.72	1.54	0.00	2.22	2.54	0.00	2.35	2.94	2.22	1.09	0.00	1.64	0.36	1.95	0.00	0.00	20.00	0.00	1.25
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;CAPB2&gt;Energy efficient investments pay for themselves through reduced utility bills over time. Considering projects your company would approve, what is the longest period of time your company would allow for an energy efficient investment to pay for it</b>																						
0 year	0.58	0.30	0.00	0.13	0.00	0.00	0.32	0.60	0.00	0.52	0.00	0.00	0.55	0.00	1.32	0.71	0.65	0.00	0.00	0.00	0.00	0.00
< 20	40.56	34.85	28.11	30.16	29.74	25.00	30.70	45.89	39.34	45.49	29.41	43.56	40.98	45.46	45.02	43.21	42.21	100.00	0.00	60.00	0.00	25.00
20 - 50	32.19	34.55	46.19	43.52	42.05	50.00	41.14	26.09	44.26	27.97	41.18	27.56	27.32	33.88	28.12	32.50	33.77	0.00	0.00	40.00	0.00	46.25
50 - 100	3.89	6.06	7.23	7.80	5.64	9.38	7.60	2.78	3.28	2.53	14.71	2.22	1.09	2.48	1.79	1.79	3.25	0.00	0.00	0.00	0.00	11.25
> 100	8.51	9.09	6.02	7.28	12.31	6.25	9.18	9.06	3.28	8.16	8.82	9.78	10.38	4.96	9.03	8.57	5.84	0.00	0.00	0.00	0.00	6.25
Don't know	14.26	15.15	12.45	11.11	10.26	9.38	11.08	15.58	9.84	15.34	5.88	16.89	19.67	13.22	14.72	13.21	14.29	0.00	0.00	0.00	0.00	11.25
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;CA4&gt;Prior to 2006, had your facility ever installed equipment that involved the receipt of rebates or incentives from an energy efficiency program?</b>																						
Yes	15.66	24.85	23.70	23.94	34.87	31.25	29.75	8.33	19.67	9.48	26.47	9.78	13.66	15.70	10.67	11.43	16.88	0.00	0.00	40.00	0.00	41.25
No	73.39	61.82	61.04	62.30	52.31	37.50	51.27	84.78	65.57	81.33	47.06	81.78	74.86	76.86	80.14	77.86	72.73	100.00	0.00	60.00	0.00	40.00
Refused	0.29	0.00	0.00	0.00	0.00	0.00	0.32	0.24	0.00	0.40	0.00	0.44	0.00	0.00	0.39	0.36	0.00	0.00	0.00	0.00	0.00	
Don't know	10.66	13.33	15.26	13.76	12.82	31.25	18.67	6.64	14.75	8.79	26.47	8.00	11.48	7.44	8.80	10.36	10.39	0.00	0.00	0.00	0.00	18.75
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;CA6&gt;What type of equipment did you install through this (these) program(s)?</b>																						
Indoor Lighting	57.70	69.51	59.32	65.19	66.18	80.00	70.21	27.54	41.67	33.33	33.33	40.91	72.00	68.42	60.58	75.00	65.38	0.00	0.00	0.00	0.00	42.42
Cooling Equipment	22.45	21.95	25.42	32.60	39.71	10.00	26.60	27.54	16													

	ALL(%)	PGE CFL(%)	PGE HIBAY(%)	PGE LINEAR(%)	PGE LT CONTROLS(%)	PGE BOILER(%)	PGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;CA15&gt;Over the past 3 years, how would you characterize your company's business outlook? Would you say it was ...</b>																						
Excellent	21.59	21.82	31.73	25.40	26.15	21.88	23.73	18.60	24.59	20.45	23.53	20.00	16.94	21.49	21.11	20.71	17.53	0.00	0.00	0.00	0.00	18.75
Good	40.94	40.91	38.55	40.21	35.90	43.75	49.37	38.16	39.34	38.83	47.06	42.87	43.17	43.80	40.73	43.93	41.56	0.00	0.00	20.00	0.00	40.00
Fair	19.29	16.06	18.88	17.46	15.90	12.50	12.98	22.71	16.39	21.14	14.71	21.33	20.22	17.36	20.79	21.43	18.63	100.00	0.00	60.00	0.00	20.00
Adequate	9.73	10.30	7.63	10.32	10.26	12.50	7.29	11.98	9.84	10.40	5.88	7.11	12.03	9.92	9.27	8.21	9.74	0.00	0.00	0.00	0.00	11.25
Poor	6.94	8.18	3.21	5.29	5.13	9.38	6.38	7.37	8.20	7.98	8.82	8.44	5.46	5.79	6.54	3.57	11.04	0.00	0.00	20.00	0.00	10.00
Refused	0.55	1.52	0.00	0.40	2.05	0.00	0.63	0.24	0.00	0.40	0.00	0.44	1.09	1.65	0.78	1.07	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	0.96	1.21	0.00	0.93	4.62	0.00	0.63	0.97	1.64	0.80	0.00	0.00	1.09	0.00	0.78	1.07	1.30	0.00	0.00	0.00	0.00	0.00
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;CA15A&gt;Projecting over the NEXT 3 years, how would you characterize your business outlook? Would you say...</b>																						
Excellent	20.40	19.70	24.50	21.56	21.03	25.00	20.25	19.32	21.31	21.48	17.65	17.78	13.66	21.49	20.64	20.71	16.88	0.00	0.00	0.00	0.00	13.75
Good	39.95	42.12	44.58	39.95	42.56	37.50	46.84	38.89	32.79	37.79	50.00	45.78	42.62	31.41	38.79	41.07	42.86	100.00	0.00	60.00	0.00	41.25
Fair	19.23	17.27	21.29	19.05	17.95	18.75	16.77	19.57	24.59	18.50	20.59	18.67	24.59	25.62	19.55	19.29	19.48	0.00	0.00	0.00	0.00	20.00
Adequate	9.67	8.18	6.43	9.13	12.31	6.25	6.01	11.35	11.48	11.26	2.94	6.67	7.65	9.92	9.58	8.21	11.04	0.00	0.00	20.00	0.00	13.75
Poor	5.58	6.67	1.21	5.42	3.08	6.25	4.11	5.19	3.28	5.86	8.82	6.22	4.92	7.44	6.70	7.14	5.20	0.00	0.00	20.00	0.00	7.50
DO NOT READ...going out of business	0.73	0.30	0.00	0.40	0.00	0.31	1.27	0.85	0.00	0.98	0.00	0.89	1.64	0.00	0.62	0.36	0.65	0.00	0.00	0.00	0.00	2.50
Refused	0.70	2.12	0.00	0.66	2.05	0.00	0.95	0.36	0.00	0.46	0.00	0.44	1.09	1.65	0.78	1.07	0.65	0.00	0.00	0.00	0.00	0.00
Don't know	3.75	3.64	2.01	3.84	1.03	3.13	3.80	4.47	6.56	3.68	0.00	3.56	3.83	2.48	3.35	2.14	3.25	0.00	0.00	0.00	0.00	1.25
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;V1&gt;Did you use a contractor to install the measures rebated through the 2006-08 &amp;PROGRAM Program?</b>																						
Yes	68.39	57.88	65.46	74.21	67.69	90.63	69.94	53.38	77.05	58.24	85.29	63.11	76.50	92.56	80.06	81.07	79.87	0.00	0.00	60.00	0.00	82.50
No	23.82	33.03	32.93	19.44	30.77	6.25	24.05	36.23	21.31	32.11	11.76	28.00	13.66	4.13	11.53	8.21	12.34	100.00	0.00	40.00	0.00	15.00
Refused	0.03	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	7.76	9.09	1.61	6.22	1.54	3.13	6.01	10.39	1.64	9.65	2.94	8.89	9.84	3.31	8.41	10.71	7.79	0.00	0.00	0.00	0.00	2.50
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;V5&gt;Had you worked with this contractor before participating in the 2006-08 &amp;PROGRAM Program?</b>																						
Yes	17.88	12.57	51.53	27.45	39.39	62.07	46.61	4.53	36.17	7.40	13.79	9.86	5.71	16.07	7.78	11.01	21.14	0.00	0.00	33.33	0.00	56.00
No	80.59	85.86	46.63	70.59	57.58	34.48	47.96	94.12	59.57	72.41	88.03	94.29	83.04	91.34	88.55	78.05	0.00	0.00	33.33	0.00	42.42	
Don't know	1.53	1.57	1.84	1.96	3.03	3.45	5.43	1.36	4.26	0.99	13.79	2.11	0.00	0.89	0.88	0.44	0.81	0.00	0.00	33.33	0.00	1.52
n	2,354	191	163	561	132	29	221	442	47	1,014	29	142	140	112	1,028	227	123	-	-	3	-	???????
<b>&lt;V40&gt;How important was the input from the contractor you worked with in deciding which specific equipment to instal? Was it ...</b>																						
Very important	49.53	48.17	65.64	56.51	54.55	37.93	46.15	37.33	55.32	41.42	65.52	43.66	53.57	56.25	51.07	54.63	57.72	0.00	0.00	66.67	0.00	45.45
Somewhat important	20.69	24.61	17.18	22.46	21.21	24.14	27.60	22.62	10.64	19.82	20.69	21.83	18.57	26.79	20.82	18.94	21.14	0.00	0.00	0.00	0.00	25.76
Not at all important	11.55	9.42	9.82	7.49	13.64	17.24	11.77	14.25	10.64	13.91	6.90	14.79	8.57	4.46	10.60	9.25	7.32	0.00	0.00	0.00	0.00	15.15
They did not have any input	14.91	15.71	7.36	10.34	9.09	13.79	10.86	22.17	21.28	21.30	13.91	3.45	14.79	14.29	8.04	13.91	14.10	0.00	0.00	33.33	0.00	12.12
Refused	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	3.19	2.09	0.00	3.21	1.52	6.90	3.62	2.94	2.13	3.25	3.45	3.52	5.00	4.46	3.60	3.08	2.44	0.00	0.00	0.00	0.00	1.52
n	2,354	191	163	561	132	29	221	442	47	1,014	29	142	140	112	1,028	227	123	-	-	3	-	???????
<b>&lt;PE1A&gt;Please rate the factor "rebate" on your decision to purchase rebated equipment as very, somewhat, or not at all influential.</b>																						
VERY Influential	64.06	62.12	73.90	60.98	68.72	46.88	60.44	61.23	70.49	63.12	67.65	67.11	63.39	81.82	65.97	63.93	74.03	0.00	0.00	20.00	0.00	47.50
SOMEWHAT Influential	22.98	26.36	24.50	27.38	26.15	40.63	30.70	21.62	24.59	20.22	26.47	17.78	23.50	13.22	20.87	23.93	18.83	100.00	0.00	0.00	0.00	36.25
NOT AT ALL Influential	10.17	8.18	1.21	8.47	5.13	12.50	6.01	13.29	3.28	12.92	5.88	9.33	12.02	2.48	10.75	10.71	5.20	0.00	0.00	0.00	0.00	15.00
Refused	0.26	0.30	0.00	0.13	0.00	0.00	0.00	0.36	0.00	0.23	0.00	0.44	0.55	0.00	0.47	0.36	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	2.53	3.03	0.40	3.04	0.00	0.00	2.85	3.50	1.64	3.50	0.00	5.33	0.55	2.48	1.95	1.07	1.95	0.00	0.00	0.00	0.00	1.25
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	7	-	5	-	80
<b>&lt;PE1B&gt;Please rate the factor "contractor" on your decision to purchase rebated equipment as very, somewhat, or not at all influential.</b>																						
VERY Influential	39.51	31.94	46.63	35.65	36.36	24.14	27.60	36.43	46.81	38.17	48.28	40.85	47.86	46.43	42.51	46.26	43.90	0.00	0.00	33.33	0.00	28.79
SOMEWHAT Influential	29.10	27.75	34.36	34.05	36.36	41.38	44.34	22.17	19.15	23.57	41.38	23.94	25.00	35.71	29.77	29.52	30.08	0.00	0.00	33.33	0.00	30.30
NOT AT ALL Influential	29.27	37.17	18.41	27.63	25.76	27.59	25.34	38.69	31.91	35.60	6.90	31.69	26.43	16.96	26.07	22.03	26.02	0.00	0.00	33.33	0.00	39.39
Refused	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.10	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	2.08	3.14	0.61	2.67	1.52	6.90	2.72	2.49	2.13	2.56	3.45	2.82	0.71	0.89	1.65	2.20	0.00	0.00	0.00	0.00	0.00	1.52
n	2,354	191	163	561	132	29	221	442	47	1,014	29	142	140	112	1,028	227	123	-	-	3	-	???????
<b>&lt;PE1C&gt;Please rate the factor "your utility representative" on your decision to purchase rebated equipment as very, somewhat, or not at all influential.</b>																						
VERY Influential	37.80	38.79	36.15	37.30	40.00	46.88	36.71	50.12	22.95	47.56	17.65	51.56	29.51	31.41	29.83	28.93	29.87	0.00	0.00	0.00	0.00	37.50
SOMEWHAT Influential	24.46	24.85	25.70	24.21	22.56	31.25	26.58	23.55	29.51	24.93	38.24	17.33	21.86	27.27	24.61	19.64	26.62	0.00	0.00	0.00	0.00	25.00
NOT AT ALL Influential	31.78	28.18	34.94	32.01	31.80	15.63	29.43	20.53	39.34	22.17	35.29	22.67	41.53	37.19	39.64	44.64	37.66	100.00	0.00	100.00	0.00	35.00
Refused	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.64	0.34	0.00	0.44	1.09	0.00	0.62	0						

	ALL(%)	PGE CFL(%)	PGE HIBAY(%)	PGE LINEAR(%)	PGE LT CONTROLS(%)	PGE BOILER(%)	PGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)	
<b>&lt;AP9&gt;How did you FIRST learn about the &amp;Program's rebate?</b>																							
Utility provided advertising--radio, newspaper, trade journal, billboard, TV	1.10	1.82	0.00	1.85	1.54	6.25	1.90	0.60	1.64	0.46	2.94	0.89	0.55	0.83	1.01	1.79	2.60	0.00	0.00	0.00	0.00	0.00	
Bill insert, newsletter, or other mailing from utility	9.74	9.70	6.43	10.58	6.67	18.75	8.23	11.96	3.28	10.34	5.88	11.56	8.79	8.33	8.81	10.04	11.04	0.00	0.00	0.00	0.00	15.00	
Utility Website	1.80	3.33	1.21	1.85	4.10	0.00	3.17	1.09	4.92	1.21	0.00	1.33	0.55	0.83	1.56	0.72	3.25	0.00	0.00	0.00	0.00	5.00	
Email from Utility	30.76	35.15	29.72	33.60	33.33	37.50	35.76	41.43	32.79	41.36	29.41	37.78	26.37	16.67	16.24	20.07	23.38	0.00	0.00	0.00	0.00	28.75	
Other utility source (SPECIFY)	0.87	0.91	0.80	1.06	1.64	0.00	0.63	1.33	0.00	1.21	0.00	1.78	1.10	0.00	0.62	0.72	0.00	0.00	0.00	0.00	0.00	0.00	
Local government, community or nonprofit meeting, event, workshop or training	0.20	0.30	0.00	0.93	1.03	0.00	1.27	0.00	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	
Local government/community agency (SPECIFY)	0.29	0.61	0.40	0.66	0.00	0.00	0.32	0.00	0.17	0.00	0.44	0.00	0.00	0.00	0.23	0.72	0.00	0.00	0.00	0.00	0.00	1.25	
Local government, community, or nonprofit advertising- radio, newspaper, trade	0.23	0.61	0.00	0.27	0.00	0.00	0.36	0.00	0.29	0.00	0.27	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	1.25	
School, classes, energy center (SPECIFY)	0.09	0.00	0.80	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	
Building audit or assessment (SPECIFY)	0.15	0.61	0.00	0.66	0.00	0.00	0.63	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Flex your Power TV or radio advertising	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Other meeting, event or workshop training (SPECIFY)	0.32	2.12	0.00	0.93	1.54	0.00	0.63	0.24	3.28	0.11	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Other advertising	0.58	0.00	1.21	0.93	1.03	0.00	2.53	0.36	0.00	0.57	5.88	1.78	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	1.25	
Friend/Relative/Neighbor	10.09	10.91	12.85	13.49	11.28	9.38	11.08	9.42	8.20	8.62	2.94	8.89	9.34	6.67	11.38	7.53	5.20	0.00	0.00	0.00	0.00	5.00	
Contractor	27.35	20.30	30.92	20.50	24.10	9.38	16.77	17.39	26.23	19.82	23.53	16.44	37.91	54.17	39.98	42.29	37.66	0.00	0.00	20.00	0.00	22.50	
Supplier/Vendor	1.63	3.33	7.23	3.18	3.08	3.13	2.85	0.48	8.20	0.52	2.94	0.89	1.10	0.83	0.16	0.36	0.65	0.00	0.00	0.00	0.00	3.75	
Administrator/Owner/Landlord/Company	0.93	0.91	1.61	1.06	1.03	0.00	0.32	1.69	0.00	1.87	2.94	1.33	0.55	0.83	0.23	0.36	0.65	0.00	0.00	0.00	0.00	0.00	
Previous experience	0.49	1.21	0.00	0.79	0.00	0.00	0.95	0.24	1.64	0.40	5.88	0.89	0.55	0.00	0.23	0.00	0.65	0.00	0.00	0.00	0.00	0.00	
Informed by someone(not sure where the person was from)	2.59	1.82	1.21	1.72	0.00	0.00	0.63	5.44	0.00	5.05	2.94	3.56	2.75	1.67	1.40	1.79	0.65	0.00	0.00	0.00	0.00	0.00	
No other sources	0.23	0.91	0.00	0.27	0.51	0.00	0.32	0.36	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Other (SPECIFY)	5.12	1.52	4.02	1.59	4.62	9.38	2.85	1.45	1.64	1.55	0.00	5.33	6.59	2.50	10.21	8.60	11.69	0.00	0.00	20.00	0.00	13.75	
Don't know	5.41	3.94	1.61	4.10	4.10	6.25	9.18	6.16	6.56	6.20	14.71	6.67	3.85	6.67	5.69	5.02	1.95	100.00	0.00	60.00	0.00	1.25	
n	3,440	330	249	756	195	32	316	828	61	1,741	34	225	182	120	1,283	279	154	1	-	5	-	80	
<b>&lt;AP9A&gt;Did you hear about &amp;Program's rebate through any other sources?</b>																							
UTILITY advertising (radio,TV,newspaper,	2.12	1.90	1.22	2.08	2.14	3.33	3.83	2.82	1.75	2.08	3.45	2.84	2.29	0.00	1.57	1.51	3.31	0.00	0.00	0.00	0.00	0.00	
UTILITY mailing (bill insert,newspaper)	6.54	8.86	4.08	6.64	5.35	6.67	8.01	6.67	8.77	6.35	13.79	5.21	4.57	5.36	6.78	6.42	8.61	0.00	0.00	0.00	0.00	5.13	
UTILITY website	3.01	2.85	5.71	4.15	5.35	3.33	3.83	1.80	7.02	1.83	3.45	2.84	1.71	2.68	2.07	2.64	4.64	0.00	0.00	50.00	0.00	8.99	
UTILITY email or UTILITY REP	5.35	6.33	7.35	9.54	10.16	13.33	4.53	4.36	7.02	4.82	13.79	3.32	3.43	4.46	4.13	4.91	5.96	0.00	0.00	0.00	0.00	7.67	
UTILITY OTHER (PROBE)	0.65	0.00	1.22	0.55	1.07	0.00	0.35	0.39	3.51	0.43	3.45	0.00	0.00	0.89	0.99	0.00	0.00	0.00	0.00	0.00	0.00	1.28	
LOCAL GOVT meeting,events,workshops,tra	0.06	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LOCAL GOVT AGENCY (PROBE)	0.09	0.32	0.00	0.28	0.00	0.00	0.35	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LOCAL GOVT advertising (radio, TV,newspa	0.52	0.32	0.00	0.69	0.54	0.00	1.05	0.51	1.75	0.43	0.00	1.42	0.00	0.00	0.33	0.00	0.66	0.00	0.00	0.00	0.00	1.28	
SCHOOL, CLASSES, ENERGY CENTERS (PROBE)	0.15	0.32	0.41	0.97	0.00	0.00	0.35	0.00	1.75	0.00	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BUILDING AUDIT or ASSESSMENT (PROBE)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FLEX YOUR POWER (TV/Radio Advertising)	0.15	0.32	0.41	0.42	0.00	0.00	0.35	0.13	0.00	0.06	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OTHER MEETINGS (outside of Local Govern	0.22	0.63	0.82	0.55	0.00	0.00	0.00	0.13	0.00	0.06	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OTHER ADVERTISING (outside of Utility or	0.40	0.32	2.04	0.83	1.07	0.00	1.74	0.26	0.00	0.12	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	
WORD OF MOUTH (Friends,Relatives,Neighb	4.85	8.54	4.90	5.95	6.42	10.00	5.92	4.10	1.75	4.58	10.34	3.32	2.86	7.14	3.88	3.40	3.97	0.00	0.00	0.00	0.00	6.41	
CONTRACTOR	3.47	1.58	7.35	3.87	5.35	6.67	3.83	1.80	3.51	1.53	6.90	2.84	4.57	1.79	4.05	4.15	5.30	0.00	0.00	0.00	0.00	5.13	
NO OTHER SOURCES	68.60	65.51	60.82	62.24	54.55	33.33	62.72	73.46	61.40	73.75	48.28	73.46	76.57	72.32	71.40	74.72	58.94	0.00	0.00	50.00	0.00	60.26	
Other -Record	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DONT KNOW	2.64	3.48	1.22	1.66	3.21	13.33	2.79	2.95	3.51	2.63	0.00	2.84	2.86	1.79	2.48	2.64	4.64	0.00	0.00	0.00	0.00	1.28	
n	3,255	316	245	723	187	30	287	780	57	1,638	29	211	175	112	1,210	265	151	-	-	2	-	78	
<b>&lt;AP9B/AP9_6&gt;You said that you received information from Local government, community or nonprofit meeting, event, workshop or training about the &amp;Program. How influential was this information on your decision to participate in the &amp;Program? Please rate the influence on a scale of 1 to 5, where 1 is not at all influential and 5 is very influential.</b>																							
2	28.57	0.00	0.00	33.33	50.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	42.86	100.00	0.00	16.67	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28.57	0.00	0.00	50.00	50.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	7	1	-	6	2	-	3	-	1	-	-	-	-	-	1	-	1	-	-	-	-	-	-
<b>&lt;AP9B/AP9_7B&gt;You said that you received information from Local government/community agency about the &amp;Program. How influential was this information on your decision to participate in the &amp;Program? Please rate the influence on a scale of 1 to 5, where 1 is not at all influential and 5 is very influential.</b>																							
2	10.00	0.00	100.00	28.57	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	20.00	0.00	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
4	10.00	0.00	0.00	28.57	0.00	0.00																	



	ALL(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE BOILER(%)	SCE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;AP9B/AP9_10&gt;You said that you received information from Building audit or assessment about the &amp;Program. How influential was this information on your decision to participate in the &amp;Program? Please rate the influence on a scale of 1 to 5, where 1 is not at all influential and 5 is very influential.</b>																						
4	60.00	50.00	0.00	25.00	0.00	0.00	50.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	40.00	50.00	0.00	75.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	5	2	-	4	-	-	2	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
<b>&lt;AP9B/AP9_11&gt;You said that you received information from Flex your Power TV or radio advertising about the &amp;Program. How influential was this information on your decision to participate in the &amp;Program? Please rate the influence on a scale of 1 to 5, where 1 is not at all influential and 5 is very influential.</b>																						
3	20.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	40.00	0.00	0.00	42.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	20.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	5	-	1	2	-	-	-	1	-	1	-	1	-	-	2	-	-	-	-	-	-	-
<b>&lt;AP9B/AP9_12B&gt;You said that you received information from Other meeting, event or workshop training about the &amp;Program. How influential was this information on your decision to participate in the &amp;Program? Please rate the influence on a scale of 1 to 5, where 1 is not at all influential and 5 is very influential.</b>																						
1	10.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	20.00	0.00	50.00	42.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	20.00	33.33	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	50.00	33.33	50.00	28.57	100.00	0.00	100.00	100.00	100.00	100.00	0.00	100.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	10	3	2	7	1	-	1	2	1	2	-	1	-	-	2	-	-	-	-	-	-	-
<b>&lt;AP9B/AP9_15&gt;You said that you received information from Contractor about the &amp;Program. How influential was this information on your decision to participate in the &amp;Program? Please rate the influence on a scale of 1 to 5, where 1 is not at all influential</b>																						
1	6.94	4.23	2.08	6.67	3.51	0.00	6.15	8.05	11.76	9.01	0.00	9.52	7.89	1.56	6.43	7.87	1.52	0.00	0.00	0.00	0.00	18.18
2	3.85	1.41	4.17	6.67	1.75	0.00	4.62	1.34	0.00	2.25	0.00	4.76	2.63	0.00	3.39	3.94	10.61	0.00	0.00	0.00	0.00	0.00
3	16.09	25.35	23.96	12.22	21.05	66.67	27.69	16.11	5.88	13.24	10.00	9.52	10.53	21.88	14.46	13.39	12.12	0.00	0.00	100.00	0.00	22.73
4	20.71	29.58	31.25	30.56	38.60	16.67	21.54	16.11	29.41	18.03	30.00	23.81	23.68	26.56	20.18	17.32	25.76	0.00	0.00	0.00	0.00	22.73
5	51.35	39.44	38.54	42.22	35.09	16.67	40.00	55.71	52.94	56.06	60.00	52.38	55.26	48.44	54.46	55.91	50.00	0.00	0.00	0.00	0.00	36.36
DONT KNOW	1.06	0.00	0.00	1.67	0.00	0.00	0.00	2.69	0.00	1.41	0.00	0.00	1.56	1.07	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	1,038	71	96	180	67	6	65	149	17	355	10	42	76	64	560	127	???????	-	-	1	-	22
<b>&lt;AP11&gt;Did a utility representative talk to you about the &amp;Program?</b>																						
Yes	37.29	32.49	36.54	32.51	36.84	56.25	37.17	46.11	37.84	45.92	47.62	49.64	28.46	36.46	31.77	33.02	36.70	100.00	0.00	40.00	0.00	39.22
No	52.24	56.35	56.41	55.31	50.88	31.25	48.17	41.90	54.05	42.70	47.62	41.01	61.54	54.17	58.47	57.08	55.05	0.00	0.00	60.00	0.00	56.86
Don't know	10.47	11.17	7.05	12.19	12.28	12.50	14.66	12.00	8.11	11.38	4.76	9.35	10.00	9.39	9.76	9.91	8.26	0.00	0.00	0.00	0.00	3.92
n	2,255	197	156	443	114	16	191	475	37	993	21	139	130	96	1,004	212	109	1	-	5	-	51
<b>&lt;AP11A&gt;When did you first become aware of the &amp;program? Would you say...</b>																						
2005 or before	23.88	30.61	36.15	36.24	44.62	43.75	43.04	14.01	37.70	16.43	47.06	21.78	19.67	14.88	18.46	17.14	29.22	0.00	0.00	40.00	0.00	43.75
Sometime during 2006	30.77	25.15	31.33	24.21	22.05	28.13	23.42	31.04	34.43	28.20	29.41	28.00	33.33	36.36	39.80	36.79	35.07	0.00	0.00	0.00	0.00	20.00
In 2007 or after	29.69	29.09	25.70	28.04	25.13	18.75	23.10	36.84	13.11	37.85	17.65	34.22	29.51	35.54	24.22	30.00	24.68	100.00	0.00	60.00	0.00	25.00
Not applicable	1.22	2.42	0.00	2.65	1.54	0.00	2.22	0.60	11.48	0.80	5.88	2.67	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	5.00
Don't know	14.44	12.73	6.83	8.86	6.67	9.38	8.23	17.51	3.28	16.71	0.00	13.33	17.49	13.22	17.52	15.71	11.04	0.00	0.00	0.00	0.00	6.25
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	1	-	5	-	80
<b>&lt;AP6A&gt;Aside from the &amp;Program, are there programs or resources you are aware of that are designed to promote energy efficiency for businesses like yours?</b>																						
Not aware of any	72.37	67.27	63.45	66.93	51.28	25.00	56.01	80.44	59.02	79.72	67.65	76.44	78.69	71.07	78.43	73.57	65.58	0.00	0.00	20.00	0.00	40.00
SPC/Standard Performance Contracting	0.41	0.00	0.40	0.40	1.03	0.00	0.63	0.12	0.00	0.34	0.00	0.44	0.55	1.65	0.31	0.36	0.65	0.00	0.00	0.00	0.00	2.50
20/20	0.23	0.61	0.00	0.93	2.05	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.00	1.25
Flex Your Power	1.02	1.21	0.80	1.98	1.54	3.13	1.27	0.48	0.00	0.80	0.00	0.44	0.55	0.83	0.62	1.07	2.60	0.00	0.00	0.00	0.00	5.00
Distributor incentives	0.26	0.91	0.00	0.66	0.00	0.00	0.32	0.24	0.00	0.17	2.94	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	1.25
Upstream HVAC & Motors Program	0.93	0.61	3.21	1.46	3.59	0.00	1.58	0.60	1.64	0.86	0.00	1.78	0.55	1.65	0.55	0.71	0.65	0.00	0.00	0.00	0.00	1.25
Rebates (Unspecified)	7.06	8.49	11.25	8.07	15.39	25.00	10.13	4.71	14.75	5.34	20.59	7.56	2.73	4.96	4.13	6.43	8.44	0.00	0.00	0.00	0.00	21.25
Nonresidential Audits or Energy Audits	0.76	0.61	1.21	2.12	1.54	0.00	2.22	0.12	3.28	0.23	0.00	0.44	0.55	0.83	0.39	1.43	0.65	0.00	0.00	0.00	0.00	1.25
Solar Program	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	100.00
Lighting Program	100.00	100.00	100.00	100.00	100.00	0.00	100.00	100.00	0.00	100.00	0.00	0.00	100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	100.00
RECORD OTHERS - PROPE, PROBE, PROBE	9.27	10.30	10.44	9.79	19.49	25.00	15.82	3.87	6.56	4.25	5.88	9.78	7.10	6.61	9.35	10.00	14.94	0.00	0.00	20.00	0.00	37.50
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	4.10	5.46	6.83	5.82	4.62	25.00	11.08	2.42	6.56	2.13	2.94	3.11	4.92	2.48	3.66	3.21	5.20	100.00	0.00	60.00	0.00	3.75
n	3,442	330	249	756	195	32	316	828	61	1,741	34	225	183	121	1,284	280	154	1	-	5	-	80

	ALL(%)	EDGE CFL(%)	EDGE HIBAY(%)	EDGE LINEAR(%)	EDGE LT CONTROLS(%)	EDGE BOILER(%)	EDGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;AP20&gt;Have you ever heard of the 20/20 Rebate Program? Each summer the governor of California promotes an energy conservation and efficiency program called the "20/20 Rebate program." Businesses that saved 20% off their electricity bill in the summer mont</b>																						
Yes	23.58	41.95	29.72	38.93	39.58	48.39	45.89	14.49	26.23	15.05	14.71	17.33	19.13	24.79	19.86	20.71	28.76	0.00	0.00	0.00	0.00	15.19
No	75.55	57.75	69.88	60.13	60.42	48.39	53.48	84.66	68.85	84.20	85.29	82.22	78.14	74.38	79.13	78.43	69.28	100.00	0.00	100.00	0.00	84.81
Don't know	0.87	0.30	0.40	0.93	0.00	3.23	0.63	0.85	4.92	0.75	0.00	0.44	2.73	0.83	1.01	2.96	1.96	0.00	0.00	0.00	0.00	0.00
n	3,435	329	249	750	192	31	316	828	61	1,741	34	225	183	121	1,284	280	153	-	-	5	-	79
<b>&lt;AP22&gt;Did you attempt to get the 20/20 rebate during any of the summers from 2005 through 2008?</b>																						
Yes	20.23	28.24	9.46	25.51	30.67	18.75	29.08	15.83	12.50	15.65	40.00	23.08	14.29	20.00	14.74	17.24	40.00	0.00	0.00	0.00	0.00	15.38
No	75.28	68.70	85.14	71.09	64.00	81.25	63.12	77.50	87.50	80.53	60.00	71.79	85.71	73.33	81.28	77.59	51.11	0.00	0.00	0.00	0.00	84.62
Don't know	4.49	3.05	5.41	3.40	5.33	0.00	7.80	6.67	0.00	3.82	0.00	5.13	0.00	6.67	3.98	5.17	8.89	0.00	0.00	0.00	0.00	0.00
n	801	131	74	294	75	16	141	120	16	262	5	39	35	30	251	58	45	-	-	-	-	13
<b>&lt;AP23&gt;During which summer(s) did you attempt the 20 percent reduction?</b>																						
2005	25.93	16.22	57.14	25.33	21.74	33.33	19.51	26.32	50.00	19.51	50.00	33.33	20.00	16.67	32.43	30.00	16.67	0.00	0.00	0.00	0.00	50.00
2006	37.65	35.14	57.14	32.00	43.48	66.67	34.15	21.05	0.00	31.71	0.00	33.33	60.00	83.33	48.65	50.00	66.67	0.00	0.00	0.00	0.00	50.00
2007	56.17	56.76	71.43	57.33	60.87	66.67	48.78	57.89	0.00	36.59	0.00	22.22	60.00	83.33	70.27	70.00	72.22	0.00	0.00	0.00	0.00	50.00
2008	44.44	54.05	28.57	50.67	39.13	100.00	48.78	63.16	50.00	53.66	50.00	44.44	20.00	33.33	24.32	40.00	27.78	0.00	0.00	0.00	0.00	50.00
None Of These	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REFUSED	1.24	0.00	0.00	2.67	0.00	0.00	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	9.88	5.41	0.00	13.33	8.70	0.00	12.20	10.53	0.00	9.76	0.00	0.00	20.00	0.00	8.11	10.00	5.56	0.00	0.00	0.00	0.00	0.00
n	162	37	7	75	23	3	41	19	2	41	2	9	5	6	37	10	18	-	-	-	-	2
<b>&lt;AP24&gt;In which year(s) were you successful in reducing your electricity bill by 20%?</b>																						
2005	6.79	2.70	14.29	5.33	4.35	0.00	0.00	15.79	50.00	9.76	0.00	11.11	0.00	16.67	13.51	10.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	11.11	8.11	12.20	9.33	4.35	33.33	12.20	5.26	0.00	11.11	0.00	11.11	20.00	16.67	16.22	0.00	27.78	0.00	0.00	0.00	0.00	0.00
2007	17.90	10.81	14.29	13.33	17.39	66.67	21.95	21.05	0.00	9.76	0.00	11.11	20.00	33.33	27.03	20.00	16.67	0.00	0.00	0.00	0.00	0.00
2008	16.05	32.43	0.00	21.33	17.39	66.67	26.83	15.79	0.00	7.32	0.00	11.11	0.00	16.67	5.41	10.00	5.56	0.00	0.00	0.00	0.00	0.00
NONE OF THESE	43.21	35.14	71.43	36.00	56.52	0.00	29.27	36.84	50.00	43.90	100.00	55.56	20.00	50.00	40.54	50.00	50.00	0.00	0.00	0.00	0.00	100.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	14.82	18.92	0.00	22.67	4.35	0.00	19.51	10.53	0.00	12.20	0.00	0.00	40.00	0.00	13.51	20.00	16.67	0.00	0.00	0.00	0.00	0.00
n	162	37	7	75	23	3	41	19	2	41	2	9	5	6	37	10	18	-	-	-	-	2
<b>&lt;FR1&gt; At the time that you first heard about the assistance from &amp;Utility for this &amp;Measure, had you...?</b>																						
Already begun thinking about purchasing the equipment	16.19	20.18	24.53	23.53	25.00	31.25	26.00	15.12	32.56	12.33	100.00	13.85	11.77	14.81	8.92	18.75	20.41	0.00	0.00	0.00	0.00	37.80
Already begun collecting information about the equipment	11.15	13.76	20.13	16.57	11.67	18.75	20.00	11.34	13.95	9.56	0.00	4.82	8.82	14.81	6.72	3.13	18.37	0.00	0.00	0.00	0.00	17.07
Already selected the equipment you were going to get	3.06	2.29	2.52	4.15	3.93	15.63	10.00	2.06	0.00	2.98	0.00	0.00	4.90	0.00	0.98	4.69	8.16	0.00	0.00	0.00	0.00	15.85
Already installed the energy efficient equipment	3.37	7.80	1.26	3.11	6.67	9.38	8.00	3.44	0.00	2.49	0.00	1.54	3.92	0.00	2.32	1.56	2.04	0.00	0.00	0.00	0.00	7.32
"none of the above" (no)	4.31	0.92	8.81	3.46	6.67	0.00	2.00	8.59	0.00	10.25	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Was not thinking about it (no hadn't, nothing)	5.54	6.42	16.35	5.19	5.00	0.00	2.67	11.68	0.00	10.53	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22
Only heard about it from someone	3.78	3.21	11.32	4.50	3.33	0.00	0.67	5.16	0.00	8.17	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Not applicable	31.24	39.45	2.52	34.60	33.33	9.38	13.33	33.33	51.16	40.17	0.00	55.38	50.98	22.22	22.86	57.81	38.78	0.00	0.00	66.67	0.00	13.41
SOMETHING OTHER	15.72	3.21	0.00	1.38	3.33	9.38	7.33	0.34	0.00	0.69	0.00	3.08	11.77	44.44	52.08	9.38	8.16	0.00	0.00	33.33	0.00	3.66
REFUSED	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	5.54	2.75	12.58	4.50	1.67	6.25	10.00	8.94	2.33	0.60	0.00	1.54	7.84	3.70	5.84	4.69	4.08	0.00	0.00	0.00	0.00	3.66
n	3,175	218	159	289	60	32	150	291	43	722	7	65	102	27	818	64	49	-	-	3	-	82
<b>&lt;FR1a&gt; So, the &amp;measure was installed before you learned about the assistance from &amp;Utility?</b>																						
YES	73.56	90.91	100.00	100.00	100.00	100.00	75.00	87.50	0.00	45.45	0.00	100.00	100.00	0.00	36.84	100.00	100.00	0.00	0.00	0.00	0.00	100.00
NO	26.44	9.09	0.00	0.00	0.00	0.00	25.00	12.50	0.00	54.55	0.00	0.00	0.00	0.00	63.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	87	11	2	6	4	3	12	8	-	11	-	1	2	-	19	1	1	-	-	-	-	6
<b>&lt;FR2a&gt; Just to be sure I understand, did you have specific plans to install &amp;product before learning about the assistance available through the &amp;Program?</b>																						
YES	19.92	23.08	27.45	28.21	29.09	79.31	52.14	17.75	27.91	12.50	0.00	11.29	14.00	11.11	10.36	12.70	43.75	0.00	0.00	0.00	0.00	60.00
NO	77.27	74.04	67.32	68.21	69.09	13.79	40.00	78.26	72.09	85.76	100.00	87.10	85.00	88.89	87.92	85.71	52.08	0.00	0.00	66.67	0.00	33.33
REFUSED	0.10	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	2.71	2.89	5.23	3.57	1.82	6.90	6.43	3.99	0.00	1.74	0.00	0.00	1.00	0.00	1.73	1.59	4.17	0.00	0.00	33.33	0.00	6.67
n	3,062	208	153	280	55	29	140	276	43	688	7	62	100	27	811	63	48	-	-	3	-	75
<b>&lt;FR3&gt; Did you have to make any changes to your existing plans in order to receive this [assistance] through the &amp;Program?</b>																						
YES	6.89	2.08	11.90	13.92	12.50	8.70	6.85	2.04	8.33	5.81	0.00	0.00	0.00	0.00	8.33	12.50	0.00	0.00	0.00	0.00	0.00	2.22
NO	90.49	95.83	83.33	82.28	87.50	86.96	87.67	97.96	75.00	91.86	0.00	100.00	100.00	100.00	91.67	87.50	95.24	0.00	0.00	0.00	0.00	97.78
DONT KNOW	2.62	2.08	4.76	3.80	0.00	4.35	5.48	0.00	16.67	2.33	0.00	0.00	0.00	0.00	0.00	0.00	4.76	0.00	0.00	0.00	0.00	0.00
n	610	48	42	79	16	23	73	49	12	86	-	7	14	3	84	8	21	-	-	-	-	45
<b>&lt;FR3a&gt; What changes did you make?</b>																						
RECORD Changes made	88.10	100.00	100.00	81.82	100.00	100.00	80.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	85.71	100.00	0.00	0.00	0.00	0.00	0.00	100.00
DONT KNOW	11.90	0.00	0.00	18.18	0.00																	

	ALL(%)	PGE CFL(%)	PGE HIBAY(%)	PGE LINEAR(%)	PGE LT CONTROLS(%)	PGE BOILER(%)	PGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;FR4b1&gt; Would you have bought the &amp;product earlier than you did, or later?</b>																						
Earlier	3.21	4.69	5.26	3.23	0.00	0.00	0.00	4.17	0.00	2.52	0.00	0.00	10.53	0.00	2.60	11.11	0.00	0.00	0.00	0.00	0.00	0.00
Same time	3.05	1.56	13.16	0.00	12.50	0.00	14.81	2.78	12.50	1.68	0.00	0.00	0.00	0.00	0.65	0.00	13.33	0.00	0.00	0.00	0.00	0.00
Later	79.97	87.50	65.79	75.81	75.00	66.67	62.96	75.00	87.50	84.87	0.00	87.50	89.47	80.00	83.12	77.78	73.33	0.00	0.00	100.00	0.00	77.78
REFUSED	0.80	0.00	0.00	0.00	0.00	0.00	3.70	1.39	0.00	0.84	0.00	12.50	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	12.98	6.25	15.79	20.97	12.50	33.33	18.52	16.67	0.00	10.08	0.00	0.00	0.00	20.00	12.99	11.11	13.33	0.00	0.00	0.00	0.00	22.22
n	624	64	36	62	8	6	27	72	8	119	-	8	19	5	154	9	15	-	-	1	-	8
<b>&lt;FRb2/FR4B1 = Earlier&gt; How much earlier would you have bought the &amp;product?</b>																						
1 to 6 months	35.00	33.33	50.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	0.00	0.00	0.00	50.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
6 months to 1 year	30.00	0.00	50.00	50.00	0.00	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 to 1.5 years	15.00	33.33	0.00	50.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5 to 3 years	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
More than three years	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	10.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	20	3	2	2	-	-	-	3	-	3	-	-	2	-	4	1	-	-	-	-	-	-
<b>&lt;FRb2/FR4B1 = Later&gt; How much later would you have bought the &amp;product?</b>																						
1 to 6 months	15.03	19.64	8.00	6.38	16.67	25.00	29.41	27.78	0.00	13.86	0.00	0.00	5.88	0.00	13.28	14.29	36.36	0.00	0.00	0.00	0.00	0.00
6 months to 1 year	35.67	39.29	52.00	42.55	33.33	50.00	41.18	25.33	42.86	40.59	0.00	42.86	29.41	25.00	27.34	0.00	54.55	0.00	0.00	0.00	0.00	57.14
1 to 1.5 years	13.63	16.07	12.77	0.00	0.00	0.00	0.00	11.11	14.29	15.84	0.00	14.29	23.53	25.00	14.06	14.29	0.00	0.00	0.00	0.00	0.00	14.29
1.5 to 2 years	8.02	8.93	8.00	6.38	16.67	25.00	0.00	11.11	0.00	7.92	0.00	0.00	0.00	25.00	7.81	28.57	0.00	0.00	100.00	0.00	0.00	
2 to 2.5 years	5.41	3.57	4.00	6.38	0.00	0.00	5.88	9.26	0.00	2.97	0.00	14.29	11.76	0.00	7.03	0.00	0.00	0.00	0.00	0.00	0.00	
2.5 to 3 years	3.41	0.00	0.00	8.51	0.00	0.00	11.76	1.85	0.00	0.99	0.00	0.00	0.00	0.00	7.03	0.00	0.00	0.00	0.00	0.00	0.00	
More than three years	7.21	5.36	0.00	8.51	16.67	0.00	5.88	3.70	0.00	5.94	0.00	14.29	5.88	25.00	10.16	28.57	0.00	0.00	0.00	0.00	0.00	14.29
REFUSED	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	11.02	7.14	12.00	8.51	16.67	0.00	5.88	9.26	42.86	11.88	0.00	14.29	17.65	0.00	11.72	14.29	9.09	0.00	0.00	0.00	0.00	14.29
n	499	56	25	47	6	4	17	54	7	101	-	7	17	4	128	7	11	-	-	1	-	7
<b>&lt;FR4c&gt; Without the program, would you have purchased the same quantity as you did? (Probe for more or less)</b>																						
More	4.10	8.41	4.60	0.00	0.00	7.14	1.92	7.21	0.00	4.74	0.00	0.00	6.67	0.00	5.05	6.67	3.13	0.00	0.00	0.00	0.00	0.00
Same	60.95	45.79	63.22	63.31	70.83	82.14	82.69	47.75	75.00	52.61	100.00	73.33	53.33	100.00	52.29	80.00	81.25	0.00	0.00	100.00	0.00	84.06
Less	29.12	43.93	28.74	30.94	29.17	3.57	10.58	34.23	25.00	37.44	0.00	6.67	33.33	0.00	33.49	13.33	12.50	0.00	0.00	0.00	0.00	13.04
REFUSED	0.25	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.47	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	5.98	1.87	3.45	5.76	0.00	7.14	3.85	10.81	0.00	4.74	0.00	13.33	6.67	0.00	9.17	0.00	3.13	0.00	0.00	0.00	0.00	2.90
n	1,219	107	87	139	24	28	104	111	20	211	1	15	30	6	218	15	32	-	-	2	-	69
<b>&lt;FR4c1/FR4c = More&gt; How much more would you have bought?</b>																						
None	6.52	12.50	0.00	0.00	0.00	0.00	100.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1% - 25%	19.57	12.50	25.00	0.00	0.00	50.00	0.00	12.50	0.00	20.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25% - 50%	6.52	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 - 10	21.74	0.00	25.00	0.00	0.00	0.00	0.00	62.50	0.00	30.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 - 50	8.70	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	50.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 - 100	6.52	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	15.22	12.50	0.00	0.00	0.00	50.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	11.11	0.00	100.00	0.00	0.00	0.00	0.00	0.00
Don't know	15.22	37.50	25.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	11.11	100.00	0.00	0.00	0.00	0.00	0.00	0.00
n	46	8	4	-	-	2	1	8	-	10	-	-	2	-	9	1	1	-	-	-	-	-
<b>&lt;FR4c1/FR4c = Less&gt; How much less would you have bought?</b>																						
None	3.19	2.22	0.00	2.38	0.00	0.00	0.00	2.63	20.00	2.60	0.00	0.00	0.00	0.00	4.23	0.00	33.33	0.00	0.00	0.00	0.00	12.50
1% - 25%	17.97	13.33	24.00	21.43	16.67	0.00	9.09	18.42	20.00	19.48	0.00	100.00	0.00	0.00	19.72	50.00	0.00	0.00	0.00	0.00	0.00	0.00
25% - 50%	35.94	35.56	28.00	38.10	50.00	0.00	45.45	26.32	40.00	38.96	0.00	60.00	0.00	0.00	32.39	50.00	66.67	0.00	0.00	0.00	0.00	37.50
50% - 100%	7.83	6.67	0.00	7.14	0.00	0.00	0.00	10.53	0.00	9.09	0.00	0.00	0.00	0.00	12.68	0.00	0.00	0.00	0.00	0.00	0.00	12.50
1 - 10	8.12	6.67	24.00	2.38	0.00	100.00	27.27	13.16	0.00	6.49	0.00	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00	0.00	0.00	12.50
10 - 50	6.09	8.89	8.00	4.76	0.00	0.00	0.00	5.26	20.00	6.49	0.00	0.00	10.00	0.00	5.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50 - 100	2.32	6.67	4.00	2.38	0.00	0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	8.41	4.44	4.00	9.52	33.33	0.00	18.18	7.89	0.00	6.49	0.00	0.00	20.00	0.00	11.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refused	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	9.86	15.56	8.00	11.90	0.00	0.00	0.00	15.79	0.00	7.79	0.00	0.00	10.00	0.00	7.04	0.00	0.00	0.00	0.00	0.00	0.00	25.00
n	345	45	25	42	6	1	11	38	5	OTHER	-	1	10	-	71	2	3	-	-	-	-	8
<b>&lt;FR4c&gt; If the [assistance] from the &amp;Utility &amp;Program had not been available, would you still have Purchased the same energy efficient &amp;Measure?</b>																						
YES	78.09	0.00	0.00	0.00	0.00	0.00	0.00	75.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.73	0.00	0.00	0.00	0.00	100.00
NO	15.22	0.00	0.00	0.00	0.00	0.0																

	ALL(%)	PGE CFL(%)	PGE HIBAY(%)	PGE LINEAR(%)	PGE LT CONTROLS(%)	PGE BOILER(%)	PGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;FR4&gt; If the [assistance] from the &amp;Utility &amp;Program had not been available, would you have done anything else differently?</b>																						
Nothing different	76.58	75.00	73.03	69.78	75.00	78.57	80.77	78.38	55.00	77.83	100.00	93.33	66.67	33.33	75.00	93.33	84.38	0.00	0.00	100.00	0.00	91.30
Take longer to change them	2.87	6.48	5.62	3.60	0.00	0.00	0.00	2.70	10.00	4.72	0.00	0.00	6.67	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Use different equipment/contractor	3.44	4.63	10.11	4.32	0.00	0.00	0.96	2.70	10.00	4.72	0.00	0.00	3.33	0.00	1.85	6.67	0.00	0.00	0.00	0.00	0.00	0.00
Put less lights in	1.88	1.85	2.25	6.48	4.37	0.00	0.98	2.70	5.00	1.42	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Will not buy lighting	0.90	0.93	1.12	1.44	0.00	0.00	0.00	5.00	1.89	1.89	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECORD DIFFERENCE	7.82	6.48	3.37	5.04	16.67	14.29	5.77	7.21	5.00	4.25	0.00	6.67	10.00	50.00	13.89	0.00	9.38	0.00	0.00	0.00	0.00	5.80
REFUSED	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	6.63	4.63	4.49	9.35	4.17	7.14	11.54	6.31	10.00	5.19	0.00	0.00	10.00	16.67	7.41	0.00	6.25	0.00	0.00	0.00	0.00	2.90
n	1,221	108	89	139	24	28	104	111	20	212	1	15	30	6	216	15	32	-	-	2	-	69
<b>&lt;FR5&gt; On a 0 to 10 scale, with 0 being not at all likely and 10 being very likely, how likely is it that you would have bought &amp;Measure if you had not received any [assistance] from the program?</b>																						
1 NOT AT ALL LIKELY	8.40	3.85	8.28	6.71	9.09	0.00	4.26	5.71	2.33	10.99	0.00	9.68	10.89	3.70	10.33	6.35	10.20	0.00	0.00	0.00	0.00	2.67
2	6.22	6.25	4.46	6.01	9.09	3.45	1.42	2.50	18.60	7.09	0.00	8.06	5.94	11.11	7.00	14.29	2.04	0.00	0.00	0.00	0.00	1.33
3	5.46	5.77	7.01	6.71	1.82	0.00	2.84	5.00	20.93	4.08	0.00	4.84	3.96	14.81	6.09	11.11	0.00	0.00	0.00	0.00	0.00	0.00
4	3.09	2.89	4.46	5.30	5.45	0.00	1.42	5.36	0.00	3.20	0.00	0.00	3.96	7.41	1.95	4.76	2.04	0.00	0.00	0.00	0.00	0.00
5	12.44	18.75	15.92	14.84	16.36	3.45	11.35	16.79	16.28	12.24	0.00	8.06	15.84	14.81	6.35	20.41	0.00	0.00	0.00	0.00	0.00	8.00
6	3.63	3.85	7.64	3.89	5.45	3.45	2.13	5.36	6.98	3.20	100.00	0.00	1.98	7.41	2.99	1.59	2.04	0.00	0.00	0.00	0.00	4.00
7	5.05	7.69	4.46	4.59	7.27	10.34	7.80	7.50	6.98	4.73	0.00	3.23	6.93	0.00	3.33	3.17	8.16	0.00	0.00	33.33	0.00	4.00
8	5.53	6.25	7.01	6.36	9.09	10.34	7.09	5.36	4.65	5.84	0.00	1.61	4.95	0.00	3.90	3.17	8.16	0.00	0.00	0.00	0.00	13.33
9	2.27	4.33	0.64	3.53	1.82	6.90	3.55	4.64	2.33	1.53	0.00	0.00	1.98	0.00	0.64	1.59	4.08	0.00	0.00	33.33	0.00	8.00
10 EXTREMELY LIKELY	12.38	18.27	19.11	14.84	16.36	58.62	39.01	12.86	11.63	6.26	0.00	3.23	13.86	0.00	4.94	4.76	26.53	0.00	0.00	33.33	0.00	52.00
ZERO NOT AT ALL LIKELY	33.56	20.67	19.75	25.09	18.18	3.45	16.31	28.07	9.30	38.39	0.00	61.29	27.72	37.04	47.99	42.86	14.29	0.00	0.00	0.00	0.00	4.00
REFUSED	0.09	0.48	0.00	0.00	0.00	0.00	0.71	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	1.86	0.96	1.27	2.12	0.00	0.00	2.13	2.50	0.00	2.09	0.00	0.00	1.98	3.70	2.07	0.00	2.04	0.00	0.00	0.00	0.00	2.67
n	3,167	208	157	283	55	29	141	280	43	719	1	62	101	27	871	63	49	-	-	3	-	75
<b>&lt;FR7&gt; Our records indicate you received about &amp;incentive from the &amp;Utility &amp;Program either directly or at the time of purchase to offset the cost of the &amp;product. Does this sound about right?</b>																						
YES	61.31	57.34	88.05	68.66	79.66	81.25	77.33	51.92	44.10	53.04	100.00	55.56	55.34	77.78	57.75	59.38	82.00	0.00	0.00	0.00	0.00	93.83
NO	4.36	6.42	2.52	9.59	5.08	0.00	2.67	5.38	16.28	3.04	0.00	6.35	2.91	3.70	5.35	1.56	2.00	0.00	0.00	33.33	0.00	0.00
REFUSED	1.30	0.00	0.00	0.35	0.00	0.00	0.00	3.14	4.65	4.01	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	33.02	36.24	9.43	26.30	15.25	18.75	20.00	39.37	34.88	39.92	0.00	38.10	41.75	18.52	36.79	39.06	16.00	0.00	0.00	66.67	0.00	6.17
n	3,231	218	159	289	59	32	150	287	43	724	1	63	103	27	878	64	50	-	-	3	-	81
<b>&lt;FR8&gt; What would you estimate to be the actual amount?</b>																						
0	46.58	78.57	0.00	30.77	0.00	0.00	25.00	43.75	0.00	63.64	0.00	50.00	66.67	100.00	46.81	100.00	100.00	0.00	0.00	100.00	0.00	0.00
Under \$500	6.85	14.29	0.00	7.69	0.00	0.00	50.00	12.50	14.29	0.00	0.00	25.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
\$500 - \$3000	16.44	0.00	0.00	46.15	66.67	0.00	25.00	12.50	14.29	0.00	0.00	0.00	0.00	0.00	19.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
More than \$3000	15.07	7.14	100.00	7.69	33.33	0.00	0.00	25.00	57.14	13.64	0.00	0.00	0.00	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Didn't receive anything directly, money went to Contractor/Landlord	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	12.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	6.16	0.00	0.00	7.69	0.00	0.00	0.00	6.25	0.00	4.55	0.00	0.00	0.00	0.00	12.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	146	14	4	13	3	-	4	16	7	22	-	4	3	1	47	1	1	-	-	1	-	-
<b>&lt;FR9&gt; On a scale of 0 to 10, where 0 is strongly disagree and 10 is strongly agree, how much do you agree with the statement? - If I had not had any assistance from the program, I would have paid the additional &amp;Prmgincentive to buy the &amp;Measure on my own</b>																						
1 DO NOT AT ALL AGREE	8.87	8.17	7.01	6.71	9.09	0.00	6.38	9.29	11.63	10.85	0.00	9.68	7.92	7.41	9.41	15.87	6.12	0.00	0.00	0.00	0.00	0.00
2	5.65	6.73	7.01	4.95	1.82	3.45	2.13	4.29	25.58	4.73	0.00	9.68	6.93	0.00	6.43	7.94	2.04	0.00	0.00	0.00	0.00	4.00
3	4.26	2.89	8.28	4.95	7.27	0.00	1.42	2.86	4.65	4.59	0.00	3.23	4.95	14.81	3.33	9.52	8.16	0.00	0.00	0.00	0.00	4.00
4	2.87	2.89	5.10	3.53	5.45	0.00	1.42	3.21	0.00	3.20	0.00	0.00	3.96	14.81	2.30	1.59	0.00	0.00	0.00	0.00	0.00	1.33
5	10.55	14.90	14.01	9.89	10.91	10.34	10.64	13.93	11.63	10.43	100.00	4.84	13.86	0.00	8.50	4.76	12.24	0.00	0.00	0.00	0.00	12.00
6	3.22	5.29	5.73	4.95	3.64	6.90	4.97	4.29	11.63	2.50	0.00	1.61	0.00	3.70	1.84	1.59	4.08	0.00	0.00	0.00	0.00	1.33
7	3.98	6.25	6.37	6.71	9.09	6.90	5.67	2.14	4.65	4.17	0.00	0.00	0.99	7.41	2.18	3.17	6.12	0.00	0.00	0.00	0.00	5.33
8	5.30	10.10	8.28	6.01	9.09	10.34	8.51	7.50	2.33	4.45	0.00	3.96	3.70	3.10	1.59	4.08	0.00	0.00	0.00	0.00	0.00	10.67
9	1.39	1.92	1.91	2.47	0.00	6.90	2.13	2.14	2.33	0.97	0.00	3.23	2.97	0.00	0.23	1.59	2.04	0.00	0.00	0.00	0.00	2.67
10 AGREE COMPLETELY	13.45	16.35	14.65	19.79	14.55	51.72	41.14	13.21	6.98	6.54	0.00	8.06	20.79	0.00	6.09	3.17	36.73	0.00	0.00	100.00	0.00	57.33
ZERO DO NOT AT ALL AGREE	39.09	23.56	21.02	26.50	29.09	0.00	12.06	35.71	18.60	46.59	0.00	58.06	33.66	44.44	55.34	49.21	18.37	0.00	0.00	0.00	0.00	1.33
REFUSED	0.13	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	1.23	0.96	0.64	3.53	0.00	3.45	2.13	1.43	0.00	0.83	0.00	1.61	0.00	3.70	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	3,167	208	157	283	55	29	141	280	43	719	1	62	101	27	871	63	49					

	ALL(%)	PGE CFL(%)	PGE HIBAY(%)	PGE LINEAR(%)	PGE LT CONTROLS(%)	PGE BOILER(%)	PGE OTHER(%)	SCE CFL(%)	SCE HIBAY(%)	SCE LINEAR(%)	SCE LT CONTROLS(%)	SCE OTHER(%)	SDGE CFL(%)	SDGE HIBAY(%)	SDGE LINEAR(%)	SDGE LT CONTROLS(%)	SDGE OTHER(%)	SCG CFL(%)	SCG HIBAY(%)	SCG LINEAR(%)	SCG LT CONTROLS(%)	SCG OTHER(%)
<b>&lt;FR11&gt; On a scale of 0 to 10, where 0 is strongly disagree and 10 is strongly agree, how much do you agree with the statement? - I would have bought a(n) &amp;product within 2 years of when I did even without the [assistance] from the &amp;Utility &amp;Program</b>																						
1 DO NOT AT ALL AGREE	8.34	3.85	5.10	7.77	7.27	0.00	4.26	6.79	4.65	9.46	0.00	11.29	8.91	7.41	11.25	11.11	6.12	0.00	0.00	0.00	0.00	1.33
2	7.07	7.21	5.10	5.65	14.55	0.00	2.84	5.71	23.26	7.09	0.00	9.68	7.92	11.11	7.23	19.05	6.12	0.00	0.00	0.00	0.00	1.33
3	4.55	5.77	6.37	6.01	7.27	3.45	2.13	2.14	6.98	5.01	0.00	0.00	3.96	7.41	4.25	11.11	2.04	0.00	0.00	0.00	0.00	1.33
4	4.55	5.29	6.37	6.36	5.45	3.45	4.26	5.71	4.65	3.76	0.00	3.23	1.98	14.81	4.48	0.00	2.04	0.00	0.00	0.00	0.00	2.67
5	11.37	14.90	17.20	14.49	10.91	6.90	11.35	15.36	9.30	10.85	0.00	9.68	16.83	3.70	8.04	4.76	14.29	0.00	0.00	0.00	0.00	10.67
6	3.22	5.77	5.10	2.47	5.45	0.00	5.67	2.14	2.33	3.48	0.00	1.61	4.95	3.70	2.41	0.00	4.08	0.00	0.00	0.00	0.00	2.67
7	4.42	6.25	7.01	4.95	3.64	10.34	4.26	6.43	4.65	4.17	100.00	3.23	2.97	3.70	2.87	4.76	2.04	0.00	0.00	33.33	0.00	5.33
8	5.02	8.17	10.19	6.71	7.27	13.79	7.09	4.29	9.30	4.59	0.00	0.00	0.99	0.00	3.10	3.17	4.08	0.00	0.00	0.00	0.00	10.67
9	1.45	1.44	1.27	2.12	0.00	10.34	3.55	2.14	0.00	1.11	0.00	0.00	0.99	0.00	0.92	0.00	4.08	0.00	0.00	0.00	0.00	2.67
10 AGREE COMPLETELY	14.24	20.19	16.56	16.96	21.82	48.28	39.01	15.71	18.60	7.37	0.00	8.06	15.84	11.11	7.35	6.35	36.73	0.00	0.00	66.67	0.00	49.33
ZERO DO NOT AT ALL AGREE	33.56	19.71	19.11	22.62	16.36	0.00	11.35	30.36	16.28	40.47	0.00	50.00	33.66	37.04	46.38	39.68	16.33	0.00	0.00	0.00	0.00	10.67
REFUSED	0.25	0.00	0.00	0.00	0.00	0.00	1.42	0.36	0.00	0.42	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	1.96	1.44	0.64	3.89	0.00	3.45	2.84	2.66	0.00	2.23	0.00	3.23	0.99	0.00	1.49	0.00	2.04	0.00	0.00	0.00	0.00	1.33
n	3,167	208	157	263	55	29	141	260	43	719	1	62	101	27	871	63	49	-	-	3	-	76
<b>&lt;C1a&gt; Let me make sure I understand you. In your own words, could you please describe how the program influenced your decision to purchase and install your new &amp;Measure at the time you did?</b>																						
It was free / rebate	16.73	20.69	33.33	9.52	0.00	0.00	5.00	25.00	0.00	31.48	0.00	0.00	9.09	0.00	12.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Saves Energy	10.41	6.90	0.00	28.57	0.00	0.00	0.00	12.50	0.00	24.07	0.00	0.00	0.00	0.00	1.72	0.00	12.50	0.00	0.00	0.00	0.00	6.67
The program speed up the process.(let me change all the lights at the same time)	4.46	10.34	11.11	19.05	0.00	0.00	0.00	3.13	0.00	5.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No influence	5.95	20.69	0.00	14.29	0.00	0.00	0.00	6.25	0.00	7.00	0.00	0.00	27.27	0.00	1.72	50.00	0.00	0.00	0.00	0.00	0.00	0.00
Wouldn't have done it without the program	3.72	0.00	0.00	9.52	0.00	0.00	0.00	0.00	0.00	7.41	0.00	0.00	9.09	0.00	5.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Saves money	6.32	13.79	11.11	4.76	75.00	0.00	0.00	9.38	0.00	5.56	0.00	0.00	0.00	0.00	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High influence	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECORD	44.98	20.69	11.11	4.76	25.00	100.00	90.00	37.50	0.00	18.52	0.00	80.00	54.55	0.00	70.69	50.00	75.00	0.00	0.00	0.00	0.00	86.67
REFUSED	0.74	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	6.32	6.90	33.33	9.52	0.00	0.00	0.00	6.25	0.00	5.56	0.00	0.00	0.00	0.00	5.17	0.00	12.50	0.00	0.00	0.00	0.00	6.67
n	269	29	9	21	4	1	20	32	-	54	-	5	11	-	58	2	8	-	-	-	-	15

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI1&gt; What are the primary types of lighting used at your facility?</b>																
High Performance T8	6.83	5.59	9.39	10.56	9.84	12.85	4.25	8.20	5.47	2.94	4.35	6.56	7.44	6.66	7.14	5.56
T8 fluorescent fixtures (1 in diameter b	37.65	31.68	28.57	47.46	36.07	37.99	31.55	27.87	36.50	52.94	37.68	36.07	34.71	42.01	37.50	37.96
T10 fluorescent fixtures	0.43	0.31	1.22	0.94	0.55	1.12	0.24	0.00	0.46	0.00	0.48	0.00	0.00	0.24	0.00	0.93
T12 Fixtures (1.5 in diameter bulbs)	3.29	3.73	4.08	4.95	4.92	5.03	1.46	6.56	1.96	5.88	1.93	4.37	3.31	2.35	3.21	4.63
HID (High Intensity Discharge) Fixtures-	1.77	2.48	8.57	3.88	7.10	2.79	0.24	4.92	0.63	5.88	0.97	1.09	1.65	0.63	1.43	0.00
Compact Fluorescent, Screw-in Modular	11.42	42.24	4.08	14.84	19.67	34.64	14.81	0.00	10.13	11.76	9.18	19.67	2.48	4.31	6.07	14.82
Compact Fluorescent, Hardwire	1.80	4.66	1.63	2.01	3.83	8.38	1.58	1.64	1.61	8.82	2.90	3.28	0.00	0.86	2.14	0.00
Incandescent	4.28	4.97	2.86	3.48	4.92	3.35	3.88	8.20	3.63	5.88	2.90	6.56	3.31	3.76	3.57	5.56
Other Fluorescent	11.92	6.83	9.80	8.96	6.01	6.15	13.59	6.56	11.46	8.82	8.70	18.58	9.92	15.60	13.57	12.04
Fat/Thick Tubes	3.29	5.59	3.67	2.41	4.37	4.47	3.88	8.20	3.45	2.94	2.90	1.09	4.13	2.35	4.64	2.78
Skinny/Thin Tubes	23.46	18.01	9.39	15.64	9.84	15.64	31.07	21.31	27.81	14.71	25.60	20.22	21.49	26.33	21.07	23.15
T5 Fixtures (5/8 in. diameter	6.15	2.17	38.37	6.02	22.95	6.70	0.73	39.34	2.53	23.53	5.31	4.92	21.49	1.41	5.71	4.63
Halogen	0.77	0.61	1.61	0.93	0.00	1.60	0.73	0.00	0.86	0.00	0.48	0.55	2.48	0.23	0.71	0.00
Fluorescent (did not specify)	1.84	1.52	0.80	1.32	1.03	1.60	3.87	0.00	3.79	0.00	3.38	0.55	2.48	0.39	0.36	1.85
Other RECORD	4.22	3.42	2.45	2.54	5.46	5.59	3.76	3.28	3.91	0.00	5.31	6.56	4.13	4.70	6.07	10.19
REFUSED	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.08	0.36	0.00
DON'T KNOW	4.81	6.52	4.90	4.81	2.73	3.91	6.07	4.92	6.10	2.94	9.18	3.28	4.96	3.13	3.57	3.70
n	3,222	322	245	748	183	179	824	61	1,737	34	207	183	121	1,276	280	108
<b>&lt;LI2&gt; Are the ballasts electronic or magnetic?</b>																
Electronic ballasts	42.70	44.24	57.62	53.92	59.44	56.72	33.19	44.64	37.10	58.06	42.35	41.94	41.91	41.30	42.28	42.39
Magnetic ballasts	3.56	2.77	1.43	2.92	0.70	3.73	3.80	5.36	4.22	0.00	3.53	3.87	4.76	3.43	2.85	6.52
Both	2.61	6.91	3.81	5.07	9.09	7.46	1.17	0.00	0.88	3.23	1.77	1.29	2.86	1.71	2.44	1.09
Refused	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	51.09	46.08	37.14	38.10	30.77	32.09	61.70	50.00	57.66	38.71	52.35	52.90	50.48	53.56	52.44	50.00
n	2,754	217	210	651	143	134	684	56	1,469	31	170	155	105	1,167	246	92
<b>&lt;LI2A&gt; Approximately what percent of the ballasts are dimmable?</b>																
0 percent	83.35	74.36	84.85	76.92	75.76	73.63	87.36	75.00	86.39	68.42	81.48	89.04	82.69	86.72	88.03	78.26
1 to 25 percent	6.99	13.68	6.06	13.90	16.16	17.58	3.83	14.29	4.54	21.05	6.17	5.48	7.69	3.69	4.27	17.39
25 to 50 percent	1.86	4.27	0.00	1.99	0.00	1.10	3.07	0.00	2.59	0.00	3.70	1.37	3.85	0.92	1.71	0.00
50 to 75 percent	0.45	0.00	0.00	0.25	0.00	0.00	0.38	0.00	0.32	0.00	1.23	1.37	1.92	0.37	1.71	0.00
75 to 100 percent	2.08	0.86	4.55	3.23	7.07	3.30	1.92	7.14	1.78	10.53	2.47	0.00	1.92	0.74	1.71	0.00
Don't know	5.28	6.84	4.55	3.72	1.01	4.40	3.45	3.57	4.38	0.00	4.94	2.74	1.92	7.57	2.56	4.35
n	1,345	117	132	403	DON'T	91	261	28	617	19	81	73	52	542	117	46
<b>&lt;LI3&gt; How old is the lighting equipment currently in use at your facility? Would you say...</b>																
Less than 5 years old	61.20	46.27	76.74	58.69	65.57	51.96	56.80	73.77	58.66	73.53	59.90	52.46	76.86	66.61	63.57	62.04
Between 5 and 10 years old	14.84	23.29	9.80	17.78	18.58	22.91	14.08	14.75	13.18	2.94	14.01	18.03	17.36	12.62	16.07	17.59
Between 10 and 15 years old	7.95	6.52	4.90	7.35	7.10	6.70	9.47	8.20	8.64	11.76	9.18	8.74	3.31	7.29	8.57	6.48
More than 15 years old	13.53	22.36	6.53	15.11	7.65	16.20	16.63	3.28	16.23	5.88	12.56	17.49	1.65	10.82	9.64	12.96
Refused	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.16	0.36	0.00
Don't know	2.42	1.55	2.04	1.07	1.09	2.24	3.03	0.00	3.28	5.88	4.35	2.73	0.83	2.51	1.79	0.93
n	3,222	322	245	748	183	179	824	61	1,737	34	207	183	121	1,276	280	108
<b>&lt;LI4&gt; How would you describe the condition of lights currently in use at your facility?</b>																
In poor condition	1.55	1.24	2.04	1.20	2.73	3.35	1.46	0.00	0.98	0.00	0.00	3.83	0.83	2.12	0.71	1.85
Fair condition	14.37	18.01	7.35	12.43	12.57	16.20	15.17	8.20	14.74	5.88	15.46	15.85	9.09	14.34	15.00	12.04
Good condition	83.67	80.75	89.80	86.10	84.70	80.45	82.89	91.80	83.88	94.12	83.58	78.69	90.08	83.15	83.93	85.19
Refused	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.08	0.36	0.00
Don't know	0.37	0.00	0.82	0.27	0.00	0.00	0.49	0.00	0.40	0.00	0.97	1.09	0.00	0.31	0.00	0.93
n	3,222	322	245	748	183	179	824	61	1,737	34	207	183	121	1,276	280	108
<b>&lt;LI6&gt; Since January 2006 has anyone at your facility consulted with a contractor concerning the lighting systems?</b>																
Yes	19.00	18.79	37.35	28.31	38.97	29.95	8.58	24.59	11.95	41.18	15.94	21.31	25.62	17.21	22.50	24.07
No	79.28	79.70	59.44	69.31	59.49	68.45	90.46	65.57	86.79	52.94	82.61	78.14	73.55	81.23	76.43	74.07
Refused	0.03	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	1.69	1.52	3.21	2.38	1.54	1.60	0.85	9.84	1.15	5.88	1.45	0.55	0.83	1.56	1.07	1.85
n	3,258	330	249	756	195	187	828	61	1,741	34	207	183	121	1,284	280	108

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI6A&gt;Did the lighting contractor recommend that you make changes to your lighting system?</b>																
Yes	70.89	69.35	88.17	75.70	84.38	76.67	60.56	66.67	72.60	78.57	78.79	74.36	67.74	61.54	69.84	65.38
No	26.99	27.42	9.68	23.36	14.06	23.33	36.62	33.33	24.52	21.43	18.18	20.51	25.81	35.75	25.40	30.77
Don't know	2.11	3.23	2.15	0.94	1.56	0.00	2.82	0.00	2.89	0.00	3.03	5.13	6.45	2.72	4.76	3.85
n	615	62	93	214	64	60	71	15	208	14	33	39	31	221	63	26
<b>&lt;LI7&gt;Since January 2006 has anyone at your facility consulted with an architect, engineer, designer or energy services company concerning the lighting systems?</b>																
Yes	8.04	10.56	18.37	16.44	22.95	20.67	2.91	13.11	5.07	26.47	6.76	6.56	9.92	4.08	8.57	4.63
No	90.78	88.51	80.00	81.68	76.50	76.54	96.24	81.97	93.78	67.65	92.75	91.26	90.08	94.98	90.00	94.44
Don't know	1.18	0.93	1.63	1.87	0.55	2.79	0.85	4.92	1.15	5.88	0.48	2.19	0.00	0.94	1.43	0.93
n	3,222	322	245	748	183	179	824	61	1,737	34	207	183	121	1,276	280	108
<b>&lt;LI9_percent&gt;Our records indicate that your organization installed &amp;Prgm_LT1_Num &amp;Prgm_LT1_Units &amp;Prgm_LT1_Desc through the &amp;Program, is this correct? (Calculated as a % of # received)</b>																
0% - Did not install	3.80	2.17	3.27	3.88	3.83	3.91	7.89	1.64	2.42	0.00	7.73	6.01	6.61	2.35	4.64	2.78
0%(exclude 0%) - 75%	1.23	2.48	0.82	0.67	0.55	1.12	1.34	3.28	0.46	11.76	1.93	1.09	0.00	2.19	0.71	0.93
75% - 100%(exclude 100%)	0.14	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.06	0.00	0.00	0.00	0.83	0.39	0.36	0.00
100% - Same quantity	83.16	82.61	90.20	84.23	87.98	85.48	75.73	90.16	82.10	88.24	79.23	77.60	87.60	86.44	84.29	87.96
100%(exclude 100%) - 125%	0.15	0.31	0.41	0.27	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.16	0.00	0.00
More than 125%	1.14	0.31	1.22	0.67	1.64	1.12	0.49	0.00	2.01	0.00	0.00	0.55	0.00	1.49	0.36	0.00
Refused	0.08	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.36	0.00
Don't know	10.31	12.11	4.08	10.29	6.01	8.38	14.32	4.92	12.55	0.00	11.11	14.75	4.96	6.97	9.29	8.33
n	6,508	322	245	748	183	179	824	61	1,737	34	207	183	121	1,276	280	108
<b>&lt;LI9y&gt; Approximately how many &amp;Prgm_LT1_Units &amp;Prgm_LT1_Desc were installed under the &amp;Program?</b>																
Have no idea of why numbers differ	40.51	55.56	50.00	20.00	100.00	0.00	40.00	100.00	75.00	75.00	100.00	0.00	0.00	17.24	0.00	0.00
Did not install all of the .30., put som	5.06	22.22	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.00
Installed .30. at another facility	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	10.34	0.00	100.00
Did not receive all of the .30.	11.39	0.00	0.00	0.00	0.00	0.00	10.00	0.00	12.50	0.00	0.00	0.00	0.00	24.14	0.00	0.00
RECORD	29.11	22.22	50.00	80.00	0.00	0.00	40.00	0.00	12.50	0.00	0.00	100.00	0.00	31.03	100.00	0.00
DON'T KNOW	7.59	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	13.79	0.00	0.00
n	79	9	2	5	1	1	10	2	8	4	4	1	1	29	1	1
<b>&lt;LI9z&gt; Perhaps you can help us to understand the difference between our records and what has been installed....Do you have any suggestions as to why our numbers differ?</b>																
Have no idea of why numbers differ	43.24	100.00	0.00	0.00	0.00	0.00	80.00	0.00	51.43	0.00	0.00	0.00	0.00	44.44	50.00	0.00
Multiple participation	8.11	0.00	33.33	75.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.56	0.00	0.00
RECORD	29.73	0.00	33.33	25.00	33.33	0.00	20.00	0.00	28.57	0.00	0.00	100.00	0.00	33.33	50.00	0.00
DON'T KNOW	18.92	0.00	33.33	0.00	33.33	100.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	16.67	0.00	0.00
n	74	1	3	4	3	2	5	-	35	-	-	1	-	18	2	-
<b>&lt;DEL11&gt;Did you install additional lighting equipment to increase the amount of lighting?</b>																
YES	14.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.81	0.00	0.00
NO	77.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.78	0.00	0.00
DON'T KNOW	7.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.41	0.00	0.00
n	27	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;DEL12&gt;How many lamps per fixture were installed prior to delamping?</b>																
1	3.82	0.00	0.00	4.55	0.00	0.00	0.00	13.11	4.12	0.00	0.00	0.00	0.00	1.19	0.00	0.00
2	27.74	0.00	0.00	20.00	0.00	0.00	0.00	6.56	31.13	0.00	0.00	0.00	0.00	20.14	0.00	0.00
3	4.00	0.00	0.00	7.27	0.00	0.00	0.00	1.64	3.37	0.00	0.00	0.00	0.00	5.92	0.00	0.00
4	31.15	0.00	0.00	33.64	0.00	0.00	0.00	24.59	26.82	0.00	0.00	0.00	0.00	48.10	0.00	0.00
5	1.14	0.00	0.00	0.00	0.00	0.00	33.33	6.56	1.19	0.00	0.00	0.00	0.00	0.24	0.00	0.00
6	1.27	0.00	0.00	1.82	0.00	0.00	33.33	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	2.27	0.00	0.00	3.64	0.00	0.00	33.33	6.56	2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	2.09	0.00	0.00	0.91	0.00	0.00	0.00	9.84	1.62	0.00	0.00	0.00	0.00	3.08	0.00	0.00
Refused	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	26.06	0.00	0.00	28.18	0.00	0.00	0.00	31.15	27.01	0.00	0.00	0.00	0.00	21.33	0.00	0.00
n	2,199	-	-	110	-	-	3	61	1,603	-	-	-	-	422	-	-
<b>&lt;DEL13&gt;How many lamps per fixture are installed now?</b>																
1	3.96	0.00	0.00	13.64	0.00	0.00	0.00	0.00	3.24	0.00	0.00	0.00	0.00	4.74	0.00	0.00
2	41.60	0.00	0.00	40.91	0.00	0.00	0.00	4.92	36.28	0.00	0.00	0.00	0.00	67.30	0.00	0.00
3	3.55	0.00	0.00	6.36	0.00	0.00	0.00	3.28	4.05	0.00	0.00	0.00	0.00	0.95	0.00	0.00
4	25.63	0.00	0.00	13.64	0.00	0.00	0.00	55.74	29.43	0.00	0.00	0.00	0.00	9.95	0.00	0.00
5	1.73	0.00	0.00	0.00	0.00	0.00	0.00	13.11	1.81	0.00	0.00	0.00	0.00	0.24	0.00	0.00
6	1.82	0.00	0.00	1.82	0.00	0.00	0.00	3.28	2.18	0.00	0.00	0.00	0.00	0.24	0.00	0.00
7	0.41	0.00	0.00	0.91	0.00	0.00	0.00	1.64	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	1.46	0.00	0.00	3.64	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00	1.90	0.00	0.00
Refused	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	19.57	0.00	0.00	19.09	0.00	0.00	0.00	18.03	20.95	0.00	0.00	0.00	0.00	14.69	0.00	0.00
n	2,197	-	-	110	-	-	-	61	1,604	-	-	-	-	422	-	-
<b>&lt;LI90&gt;What percentage of the rebated CFLs were placed in storage?</b>																
0 percent	81.62	73.74	0.00	0.00	0.00	84.62	85.67	0.00	0.00	0.00	66.67	78.08	0.00	0.00	0.00	100.00
1 to 25 percent	7.37	12.23	0.00	0.00	0.00	5.77	5.14	0.00	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00
25 to 50 percent	1.51	2.52	0.00	0.00	0.00	1.92	0.78	0.00	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
50 to 75 percent	0.80	0.72	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00
75 to 100 percent	1.69	1.08	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
Refused	0.09	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	6.93	9.71	0.00	0.00	0.00	7.69	5.45	0.00	0.00	0.00	33.33	6.85	0.00	0.00	0.00	0.00
n	1,126	278	-	-	-	52	642	-	-	-	6	146	-	-	-	2
<b>&lt;LI91&gt;What percentage of the rebated &amp;Prgm_LT1_Desc were placed installed at another facility?</b>																
0 percent	91.99	93.89	92.95	87.29	93.41	92.36	94.39	91.23	92.83	76.47	94.64	93.84	93.52	90.77	94.58	88.54
1 to 25 percent	0.98	1.44	0.88	1.40	0.60	1.27	0.62	3.51	0.95	5.88	0.00	0.00	1.85	0.69	1.67	1.04
25 to 50 percent	1.34	1.44	1.76	3.26	1.20	1.91	0.78	0.00	0.74	2.94	1.79	1.37	1.85	1.12	1.25	1.04
50 to 75 percent	0.55	0.36	0.44	1.40	0.00	0.00	0.31	0.00	0.47	0.00	0.60	0.00	0.00	0.86	0.00	0.00
75 to 100 percent	1.36	0.36	1.32	3.41	0.60	3.19	1.09	1.75	0.68	0.00	0.00	0.69	1.85	1.55	0.83	3.13
Refused	0.07	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.09	0.42	0.00
Don't know	3.71	2.52	2.64	3.10	4.19	1.27	2.80	3.51	4.33	14.71	2.98	3.43	0.93	4.92	1.25	6.25
n	5,603	278	227	645	167	157	642	57	1,479	34	168	146	108	1,159	240	96



	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)	
<b>&lt;LI9a&gt;What type of lighting was removed and replaced when you installed &amp;Prgm_LT1_Desc through the &amp;Program?</b>																	
High Performance T8	0.18	0.00	0.00	0.16	0.00	0.00	0.16	0.00	0.14	0.00	0.00	0.00	0.00	0.43	0.42	0.00	
T8 fluorescent fixtures (1in. diameter b	5.83	1.44	2.64	8.50	2.98	0.64	0.94	3.51	9.87	0.00	1.18	0.00	0.00	8.32	1.27	0.00	
T10 fluorescent fixtures	0.18	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.52	0.00	0.00	
T12 Fixtures (1.5in. diameter bulbs)	17.44	2.16	10.13	36.48	5.36	2.55	1.09	17.54	20.08	0.00	0.59	2.74	5.66	31.80	2.12	1.05	
HID (High Intensity Discharge) Fixtures-	4.27	1.08	34.36	4.48	7.74	3.19	0.31	31.58	1.89	14.71	1.78	0.00	30.19	0.78	5.93	0.00	
Compact Fluorescent, Screw-in Modular	1.20	5.40	0.00	0.16	0.00	0.64	5.76	0.00	0.14	0.00	0.00	4.11	0.94	0.17	0.00	2.11	
Compact Fluorescent, Hardwire	0.32	0.72	0.00	0.31	0.00	1.91	0.47	0.00	0.47	0.00	0.00	0.69	0.00	0.00	0.00	0.00	
Incandescent	15.73	64.39	1.76	1.39	2.38	40.13	63.40	0.00	2.37	2.94	17.75	68.49	1.89	1.13	7.20	16.84	
Exit Signs, Compact Fluorescent	0.57	0.00	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00	10.06	0.00	0.00	0.17	0.00	8.42	
Exit Signs, LED	0.50	0.00	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00	9.47	0.00	0.00	0.00	0.00	8.42	
Halogen	1.32	1.08	7.49	0.46	5.36	0.00	1.25	3.51	0.61	0.00	0.59	0.69	11.32	0.61	0.85	0.00	
Install Reflectors	0.13	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.09	0.00	0.00	
Electronic Ballast	0.20	0.72	0.44	0.00	0.60	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.17	0.00	0.00	
Magnetic Ballast	0.55	0.36	0.00	1.86	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	1.89	0.69	0.00	0.00	
Lighting Controls, Time Clock	0.02	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lighting Controls, Occupancy Sensor	0.18	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.39	0.00	
Lighting Controls, Bypass/Delay Timers	0.04	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lighting Controls, Photocell	0.04	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	
Other Fluorescent	7.54	1.08	7.93	8.66	1.19	3.19	5.45	3.51	10.68	5.88	1.18	3.43	4.72	10.57	2.54	1.05	
Fat/Thick Tubes	14.53	3.24	2.64	12.06	0.60	1.91	4.05	14.04	27.25	0.00	0.59	4.11	5.66	22.36	2.54	2.11	
Skinny/Thin Tubes	1.77	0.36	0.00	0.93	0.60	0.00	0.78	0.00	2.77	0.00	0.00	2.74	0.94	3.21	1.27	0.00	
T5 Fixtures (5/8in. diameter)	0.23	0.00	1.32	0.77	0.00	0.64	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.26	0.00	0.00	
Fluorescent (did not specify)	0.27	0.00	0.00	0.31	0.00	0.64	0.16	0.00	0.47	0.00	0.00	0.00	0.00	0.35	0.00	0.00	
Light switch	1.13	0.00	0.00	0.00	22.62	0.00	0.00	0.00	0.00	11.76	0.00	0.00	0.00	0.00	8.90	0.00	
Mercury vapor, Sodium Vapor	1.09	0.72	7.93	0.93	1.79	1.91	0.00	14.04	0.81	2.94	0.00	0.00	4.72	0.00	1.27	0.00	
Same type as before (did not specify)	0.68	0.72	0.00	1.39	0.00	0.64	0.47	0.00	1.22	0.00	1.78	0.69	0.00	0.09	0.00	0.00	
Flood lights	0.36	1.44	0.00	0.31	0.00	0.64	1.71	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.42	0.00	
Exit Signs (did not specify what type)	0.61	0.72	0.00	0.00	0.00	7.01	0.00	0.00	0.00	0.00	9.47	0.00	0.00	0.00	0.00	5.26	
NEW Equipment-didn't replace anything,	4.08	2.88	2.20	3.86	24.41	7.64	1.87	3.51	1.69	47.06	8.28	1.37	0.94	0.87	21.61	4.21	
Other -Record	4.90	4.32	7.49	2.78	14.29	6.37	0.62	0.00	2.10	2.94	9.47	2.06	15.09	3.55	27.12	17.89	
DON'T KNOW	14.14	7.19	13.66	13.29	6.55	14.65	11.53	8.77	16.23	11.76	27.22	8.90	16.04	13.86	12.71	32.63	
n	5,595	278	227	647	168	157	642	57	1,479	34	169	146	106	1,154	236	95	
<b>&lt;LI9b&gt;Were the HID lamps you removed High Pressure Sodium, Metal Halide, Mercury Vapor or Incandescent?</b>																	
High Pressure Sodium	15.54	50.00	7.55	6.67	0.00	25.00	50.00	40.00	6.67	0.00	0.00	0.00	33.33	16.67	22.22	0.00	
Metal Halide	49.32	0.00	58.49	66.67	57.14	75.00	0.00	20.00	60.00	100.00	100.00	0.00	25.93	16.67	44.44	0.00	
Mercury Vapor	22.97	0.00	28.30	13.33	42.86	0.00	50.00	20.00	20.00	0.00	0.00	0.00	22.22	33.33	11.11	0.00	
DON'T KNOW	12.16	50.00	5.66	13.33	0.00	0.00	0.00	20.00	13.33	0.00	0.00	0.00	18.52	33.33	22.22	0.00	
n	148	2	53	15	7	4	2	5	15	2	1	-	27	6	9	-	
<b>&lt;LI9c&gt;Approximately how old were the lights that were removed and replaced with &amp;Prgm_LT1_Desc? Would you say...</b>																	
Less than 5 years old	21.42	30.34	7.34	12.58	10.66	4.88	37.39	0.00	30.82	11.11	20.16	34.09	12.38	18.93	14.54	13.16	
Between 5 and 10 years old	26.53	33.71	21.10	23.37	18.85	19.51	26.58	36.36	26.81	33.33	25.00	31.82	41.91	27.90	25.00	26.32	
Between 10 & 15 years old	16.88	10.11	23.39	18.30	22.13	30.49	11.26	25.45	14.07	11.11	14.52	11.36	23.81	17.78	18.02	17.11	
More than 15 years old	25.56	14.61	42.20	36.60	41.80	32.93	11.26	34.55	20.06	38.89	29.03	13.64	19.05	23.50	31.98	28.95	
REFUSED	0.09	0.00	0.00	0.16	0.00	0.00	0.45	0.00	0.00	0.00	0.00	2.27	0.00	0.00	0.58	0.00	
DON'T KNOW	9.52	11.24	5.96	8.99	6.56	12.20	13.06	3.64	8.23	5.56	11.29	6.82	2.86	11.88	9.88	14.47	
n	4,496	89	218	612	122	82	222	55	1,421	18	124	44	105	1,136	172	76	
<b>&lt;LI9d&gt;Our records indicate that your company installed the lighting equipment in &amp;Install_MONTH &amp;Install_YEAR through &amp;Program, is this correct?</b>																	
YES	96.68	0.00	0.00	0.00	0.00	0.00	97.20	92.98	96.82	100.00	98.21	95.77	97.56	95.49	97.32	100.00	
NO	0.99	0.00	0.00	0.00	0.00	0.00	0.62	3.51	0.74	0.00	0.00	1.41	0.00	1.78	1.34	0.00	
DON'T KNOW	2.34	0.00	0.00	0.00	0.00	0.00	2.18	3.51	2.43	0.00	1.79	2.82	2.44	2.73	1.34	0.00	
n	3,553	-	-	-	-	-	642	57	1,479	34	168	71	41	843	149	69	
<b>&lt;LI9f1&gt;In what year did you install &amp;Prgm_LT1_Desc?</b>																	
2005	3.63	2.90	2.72	3.60	3.07	3.90	0.00	0.00	9.09	0.00	0.00	10.53	4.48	3.93	2.15	0.00	
2006	25.48	19.93	35.29	23.32	25.77	26.62	25.00	50.00	9.09	0.00	0.00	28.95	16.42	28.10	23.66	37.04	
2007	34.11	33.70	38.91	33.18	34.97	42.86	25.00	0.00	54.55	0.00	0.00	27.63	37.31	32.02	27.96	18.52	
2008	26.99	31.52	18.10	30.52	29.45	18.18	0.00	50.00	0.00	0.00	0.00	25.00	37.31	22.36	33.33	33.33	
2009	1.02	1.09	0.00	0.78	0.61	1.30	25.00	0.00	9.09	0.00	0.00	1.32	1.49	0.91	3.23	0.00	
REFUSED	0.15	0.00	0.00	0.00	0.61	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00	0.30	0.00	0.00	
DON'T KNOW	8.62	10.87	4.98	8.61	5.52	7.14	25.00	0.00	9.09	0.00	0.00	6.58	2.99	12.39	9.68	11.11	
n	2,064	276	221	639	163	154	4	2	11	-	-	76	67	331	93	27	

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;L19f2&gt;And what month? (If they can not recall month, try to get the season.)</b>																
January	3.66	1.63	5.71	3.77	5.88	6.29	0.00	0.00	0.00	0.00	0.00	2.82	3.08	1.73	4.76	0.00
February	2.60	1.63	1.91	1.71	3.92	3.50	0.00	0.00	0.00	0.00	0.00	5.63	1.54	3.11	3.57	12.50
March	3.24	2.44	5.71	2.57	6.54	4.20	0.00	0.00	0.00	0.00	0.00	2.82	0.00	2.77	2.38	0.00
April	2.34	3.66	1.43	2.40	1.96	3.50	0.00	0.00	0.00	0.00	0.00	2.82	3.08	1.04	2.38	4.17
May	3.29	4.88	2.86	3.43	1.96	3.50	0.00	0.00	0.00	0.00	0.00	4.00	4.62	3.11	3.57	4.17
June	3.08	2.03	3.33	2.74	0.00	4.20	0.00	50.00	0.00	0.00	0.00	4.23	6.15	3.11	7.14	4.17
July	2.71	2.03	3.33	3.94	2.61	0.70	0.00	0.00	11.11	0.00	0.00	1.41	3.08	2.42	0.00	0.00
August	3.19	3.66	4.29	3.25	5.23	2.80	0.00	0.00	0.00	0.00	0.00	0.00	1.54	2.77	2.38	0.00
September	3.03	2.85	2.86	3.08	3.92	4.90	0.00	0.00	0.00	0.00	0.00	0.00	3.08	2.42	2.38	8.33
October	2.44	2.44	3.81	3.25	2.61	3.50	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.35	2.38	0.00
November	2.18	2.85	3.33	2.40	3.27	2.80	0.00	0.00	0.00	0.00	0.00	0.00	1.54	1.04	0.00	0.00
December	3.03	4.47	4.29	3.25	7.19	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00
Fall	6.59	7.72	4.76	7.19	5.88	4.20	0.00	0.00	0.00	0.00	0.00	12.68	4.62	6.92	5.95	4.17
Winter	6.80	4.88	10.95	7.36	6.54	6.29	33.33	0.00	11.11	0.00	0.00	7.04	4.62	4.50	8.33	4.17
Spring	9.24	9.76	8.10	10.79	5.88	11.19	0.00	0.00	0.00	0.00	0.00	5.63	7.69	9.69	4.76	16.67
Summer	12.43	13.42	9.52	13.70	10.46	11.19	33.33	0.00	11.11	0.00	0.00	9.86	15.38	13.50	11.90	4.17
DON'T KNOW	30.16	29.68	23.81	25.17	26.14	23.78	33.33	50.00	66.67	0.00	0.00	45.07	38.46	40.83	38.10	37.50
n	1,883	246	210	584	153	143	3	2	9	-	-	71	65	289	84	24
<b>&lt;L_MSP1&gt;Since January 2005 have you purchased and installed any lighting on your own without any assistance from the &amp;UTILITY &amp;PROGRAM or another utility program either at this facility or at other locations?</b>																
Yes, only at this home/facility	15.93	28.79	16.47	20.64	29.23	30.48	14.86	4.92	14.59	8.82	14.01	15.85	9.09	11.76	13.57	15.74
Yes, only at other locations	2.89	2.12	2.01	3.44	7.69	3.74	1.93	6.56	1.90	11.76	2.90	0.55	2.48	2.10	2.50	3.70
Yes, at this facility and other locations	2.09	3.33	1.21	3.70	4.10	6.42	1.33	4.92	1.32	5.88	2.90	1.64	3.31	1.48	2.14	1.85
No	77.78	63.64	78.72	69.84	57.44	57.75	81.04	83.61	81.05	70.59	77.30	80.87	85.12	83.72	80.71	75.00
Refused	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.48	0.00	0.00	0.00	0.00	
Don't know	1.29	2.12	1.61	2.38	1.54	1.60	0.85	0.00	1.09	2.94	1.54	1.09	0.00	0.93	1.07	
n	3,258	330	249	756	195	187	828	61	1,741	34	207	183	121	1,284	280	
<b>&lt;LSP2&gt; What type of fixtures, ballasts, or lighting controls were installed as part of this lighting retrofit?</b>																
High Performance T8	4.68	5.31	6.12	8.10	11.11	2.78	3.40	0.00	4.22	0.00	2.44	0.00	0.00	2.12	0.00	4.35
T8 fluorescent fixtures (1in. diameter bulb)	23.00	23.89	16.33	26.19	27.78	31.94	13.01	30.00	16.67	44.44	21.95	30.30	27.78	30.69	23.53	30.43
T10 fluorescent fixtures	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.53	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	5.45	5.31	4.08	5.24	5.56	4.17	8.90	10.00	8.50	0.00	2.44	15.15	5.56	3.70	5.88	0.00
HID (High Intensity Discharge) Fixtures-	4.39	7.97	8.16	4.29	9.72	9.72	0.00	0.00	2.29	0.00	0.00	0.00	11.11	4.23	7.84	8.70
Compact Fluorescent, Screw-in Modular	14.37	18.58	4.08	13.33	9.72	13.89	21.92	0.00	13.73	0.00	21.95	21.21	0.00	11.64	9.80	21.74
Compact Fluorescent, Hardwire	2.57	1.77	2.04	2.38	4.17	1.39	0.69	10.00	0.98	22.22	4.88	3.03	11.11	3.70	5.88	4.35
Incandescent	4.99	9.74	0.00	6.19	5.56	8.33	4.80	0.00	3.60	0.00	4.88	3.03	5.56	3.70	1.96	0.00
Exit Signs, Compact Fluorescent	0.30	0.00	0.00	1.43	0.00	0.00	0.69	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	
Exit Signs, LED	1.66	2.66	0.00	3.33	2.78	5.56	0.00	0.00	0.00	0.00	0.00	3.03	5.56	1.59	1.96	8.70
Halogen	1.97	2.66	2.04	1.43	1.39	0.00	2.74	0.00	3.92	0.00	2.44	3.03	0.00	1.06	0.00	0.00
Install Reflectors	0.15	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	
Electronic Ballast	5.14	8.85	2.04	7.14	4.17	5.56	6.16	0.00	3.60	0.00	7.32	12.12	0.00	5.82	3.92	4.35
Magnetic Ballast	0.91	0.89	0.00	0.48	0.00	0.00	1.37	0.00	1.96	0.00	2.44	0.00	0.00	1.06	0.00	
Lighting Controls, Time Clock	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lighting Controls, Occupancy Sensor	3.03	2.66	8.16	3.33	8.33	6.94	0.00	0.00	0.98	11.11	2.44	3.03	0.00	2.85	1.96	
Lighting Controls, Bypass/Delay Timers	0.15	0.89	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lighting Controls, Photocell	0.30	0.00	0.00	0.95	0.00	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	
Other Fluorescent	6.95	7.97	6.00	7.08	5.56	4.17	8.90	0.00	8.82	0.00	4.88	6.06	5.56	5.82	5.88	
Fat/Thick Tubes	3.18	0.00	2.04	0.00	1.39	0.00	5.48	0.00	5.23	0.00	0.00	3.03	5.56	4.23	9.80	
Skinny/Thin Tubes	5.75	5.31	8.16	4.76	11.11	4.17	6.85	10.00	6.21	0.00	17.07	0.00	5.56	4.23	3.92	
T5 Fixtures (5/8in. diameter)	4.54	7.08	24.49	5.24	15.28	2.78	0.00	10.00	1.31	0.00	0.00	0.00	11.11	2.12	11.76	
Other -Record	13.90	10.62	12.24	10.48	11.11	6.94	17.69	10.00	17.53	11.11	14.63	12.12	5.56	13.76	7.84	
REFUSED	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.08	0.36	
DON'T KNOW	4.81	6.52	4.90	4.81	2.73	3.91	6.07	4.92	6.10	2.94	9.18	3.28	4.96	3.14	3.57	
n	662	113	49	210	72	72	147	10	308	9	41	33	18	189	51	

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;L_MSP2_1&gt;How many ...High Performance T8 fluorescent fixtures... did you buy on your own at this facility?</b>																
2	12.50	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	100.00
5	6.25	0.00	0.00	0.00	0.00	0.00	33.33	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00
8	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
10	12.50	100.00	0.00	0.00	0.00	50.00	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	6.25	0.00	33.33	14.29	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	6.25	0.00	0.00	14.29	33.33	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	6.25	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	6.25	0.00	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	6.25	0.00	0.00	0.00	0.00	0.00	33.33	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	6.25	0.00	0.00	0.00	0.00	0.00	33.33	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	12.50	0.00	33.33	28.57	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	16	1	3	7	3	2	3	-	7	-	-	-	-	4	-	1
<b>&lt;L_MSP2_1B&gt;How many ...High Performance T8 fluorescent fixtures... did you buy on your own at another facility location?</b>																
25	14.29	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	14.29	100.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	14.29	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	14.29	0.00	100.00	12.50	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500	14.29	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10000	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
Don't know	14.29	0.00	0.00	37.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	7	1	1	8	2	-	-	-	2	-	1	-	-	-	-	-
<b>&lt;L_MSP4_1&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement. My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the High Performance T8 fluorescent fixtures.</b>																
2	4.76	0.00	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4.76	0.00	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	14.29	50.00	0.00	30.77	50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	9.52	0.00	0.00	15.38	0.00	0.00	0.00	0.00	22.22	0.00	100.00	0.00	0.00	0.00	0.00	0.00
8	14.29	0.00	66.67	7.69	25.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	4.76	0.00	0.00	0.00	0.00	0.00	33.33	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	19.05	0.00	33.33	7.69	25.00	0.00	33.33	0.00	22.22	0.00	0.00	0.00	0.00	75.00	0.00	0.00
11	28.57	50.00	0.00	23.08	0.00	50.00	33.33	0.00	22.22	0.00	0.00	0.00	0.00	25.00	0.00	100.00
n	21	2	3	13	4	2	3	-	9	-	1	-	-	4	-	1
<b>&lt;L_MSP5_1&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																
Too much paperwork	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Takes too long to get approval	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No time to participate@_needed equipment immediately	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	100.00	0.00	0.00	0.00	0.00	0.00
Program had ended	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment would not qualify MUST EXPLAIN	10.53	0.00	0.00	9.09	0.00	0.00	33.33	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amount of rebate wasn't important enough	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Didn't know program was available	21.05	100.00	0.00	9.09	25.00	50.00	33.33	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No program available	10.53	0.00	0.00	0.00	0.00	0.00	33.33	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECORD OTHER	47.37	0.00	100.00	81.82	75.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	19	2	3	11	4	2	3	-	9	-	1	-	-	3	-	-

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)	
<b>&lt;L_MSP2_2&gt;How many ...T8 fluorescent fixtures (1" diameter bulbs)... did you buy on your own at this facility?</b>																	
0	2.66	0.00	0.00	0.00	0.00	0.00	7.14	0.00	7.89	33.33	14.29	0.00	0.00	1.96	0.00	0.00	
1	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.00	0.00	
2	6.20	11.76	0.00	0.00	15.38	5.56	14.29	0.00	10.53	0.00	0.00	0.00	0.00	5.88	0.00	0.00	
3	0.89	0.00	0.00	0.00	0.00	0.00	7.14	0.00	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	7.08	0.00	0.00	0.00	0.00	0.00	14.29	50.00	13.16	0.00	14.29	11.11	0.00	7.84	10.00	0.00	
6	7.97	0.00	0.00	13.33	0.00	5.56	0.00	0.00	10.53	0.00	0.00	22.22	0.00	5.88	20.00	0.00	
8	6.20	5.88	0.00	2.22	0.00	0.00	7.14	0.00	7.89	0.00	14.29	0.00	0.00	11.76	10.00	0.00	
9	0.89	5.88	0.00	2.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	10.62	5.88	20.00	26.67	15.38	11.11	14.29	0.00	7.89	0.00	0.00	11.11	0.00	7.84	10.00	0.00	
12	4.43	5.88	0.00	2.22	0.00	0.00	7.14	0.00	2.63	0.00	0.00	0.00	0.00	9.80	10.00	0.00	
13	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	1.96	0.00	0.00	
14	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	10.00	0.00	
15	2.66	5.88	0.00	0.00	0.00	5.56	7.14	0.00	7.89	33.33	14.29	0.00	0.00	0.00	0.00	0.00	
16	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.89	0.00	0.00	0.00	25.00	9.80	0.00	0.00	
20	7.97	0.00	0.00	4.44	7.69	22.22	0.00	0.00	5.26	33.33	14.29	11.11	25.00	9.80	10.00	40.00	
24	0.89	0.00	20.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	2.66	0.00	40.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
32	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	10.00	20.00	
44	0.89	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
50	3.54	11.76	0.00	6.67	0.00	11.11	0.00	0.00	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
70	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	
100	1.77	0.00	0.00	0.00	0.00	0.00	7.14	0.00	5.26	0.00	0.00	0.00	0.00	1.96	0.00	0.00	
108	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	
110	0.89	5.88	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120	0.89	0.00	0.00	0.00	0.00	0.00	7.14	0.00	2.63	0.00	14.29	0.00	0.00	0.00	0.00	0.00	
200	2.66	11.76	0.00	2.22	7.69	5.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
245	0.89	5.88	0.00	0.00	0.00	5.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300	0.89	0.00	0.00	2.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
433	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.00	20.00	
500	0.89	5.88	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000	0.89	0.00	20.00	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Not applicable	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	3.92	0.00	0.00	
Don't know	13.27	11.76	0.00	24.44	46.15	27.78	7.14	0.00	2.63	0.00	14.29	11.11	7.14	11.76	10.00	20.00	
n	113	17	5	45	13	18	14	2	38	3	7	9	4	51	10	5	
<b>&lt;L_MSP2_2B&gt;How many ...T8 fluorescent fixtures (1" diameter bulbs)... did you buy on your own at another facility location?</b>																	
1	2.27	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2.27	0.00	0.00	0.00	0.00	0.00	25.00	0.00	7.69	0.00	25.00	0.00	0.00	0.00	0.00	0.00	
3	4.55	0.00	0.00	0.00	0.00	0.00	0.00	33.33	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	2.27	0.00	0.00	0.00	0.00	42.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	2.27	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.33	0.00	0.00	
12	2.27	20.00	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	4.55	0.00	33.33	4.76	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	33.33	0.00	
25	2.27	20.00	0.00	0.00	16.67	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
40	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
50	11.36	20.00	0.00	4.76	0.00	14.29	25.00	0.00	15.38	50.00	25.00	0.00	33.33	8.33	33.33	0.00	
56	2.27	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
60	4.55	0.00	0.00	0.00	0.00	0.00	25.00	0.00	7.69	0.00	25.00	0.00	0.00	8.33	0.00	0.00	
100	4.55	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	8.33	0.00	0.00	
120	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	16.67	0.00	0.00	
150	2.27	20.00	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200	4.55	0.00	0.00	4.76	16.67	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	8.33	0.00	33.33	
300	2.27	0.00	33.33	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500	4.55	0.00	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.33	33.33	33.33	
600	2.27	0.00	0.00	0.00	0.00	0.00	0.00	33.33	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.33	0.00	0.00	
1000	2.27	0.00	0.00	0.00	0.00	0.00	0.00	15.38	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000	2.27	0.00	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
400000	2.27	0.00	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Don't know	18.18	0.00	0.00	33.33	33.33	14.29	25.00	0.00	15.38	0.00	25.00	0.00	0.00	25.00	0.00	33.33	
n	44	5	3	21	6	7	4	3	13	2	4	1	3	12	3	3	

		ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)	
<b>&lt;L_MSP4_2&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement.My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the T8 fluorescent fixtures (1" diameter bulbs).</b>																		
	1	8.89	5.26	0.00	9.80	12.50	5.26	12.50	0.00	10.87	0.00	11.11	10.00	0.00	7.02	0.00	0.00	
	3	4.44	5.26	0.00	3.92	0.00	15.79	0.00	0.00	4.35	0.00	11.11	10.00	0.00	5.26	0.00	0.00	
	4	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	
	5	8.89	5.26	0.00	11.76	6.25	0.00	6.25	0.00	10.87	25.00	0.00	20.00	20.00	5.26	25.00	0.00	
	6	4.44	0.00	0.00	5.88	0.00	0.00	6.25	0.00	4.35	0.00	11.11	0.00	0.00	5.26	8.33	0.00	
	7	2.96	5.26	0.00	1.96	6.25	10.53	0.00	0.00	0.00	0.00	0.00	10.00	0.00	5.26	0.00	0.00	
	8	12.59	21.05	28.57	25.49	12.50	21.05	18.75	0.00	6.52	0.00	33.33	10.00	0.00	7.02	8.33	0.00	
	9	3.70	5.26	0.00	0.00	0.00	5.26	0.00	0.00	15.22	50.00	11.11	0.00	0.00	0.00	0.00	0.00	
	10	25.19	31.58	28.57	17.65	18.75	21.05	43.75	66.67	23.91	0.00	11.11	0.00	20.00	38.60	25.00	57.14	
	11	25.19	15.79	42.86	19.61	37.50	15.79	12.50	33.33	23.91	25.00	11.11	40.00	40.00	24.56	33.33	42.86	
	Don't know	2.96	5.26	0.00	3.92	6.25	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	
	n	135	19	7	51	16	19	16	3	46	4	9	10	5	57	12	7	
<b>&lt;L_MSP5_2&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																		
	Too much paperwork	3.18	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	20.00	7.55	10.00	0.00	
	Takes too long to get approval	3.97	0.00	0.00	6.00	9.09	20.00	0.00	0.00	0.00	0.00	0.00	10.00	20.00	3.77	10.00	16.67	
	No time to participate, needed equipment immediately	17.46	5.88	0.00	22.00	9.09	20.00	12.50	0.00	32.61	0.00	11.11	30.00	20.00	11.32	30.00	0.00	
	Program had ended	1.59	0.00	0.00	0.00	0.00	0.00	6.25	0.00	2.17	0.00	11.11	0.00	0.00	1.89	0.00	0.00	
	Equipment would not qualify MUST EXPLAIN	3.18	5.88	0.00	6.00	9.09	6.67	0.00	0.00	4.35	25.00	0.00	0.00	0.00	1.89	0.00	0.00	
	Amount of rebate wasn't important enough	7.14	5.88	0.00	6.00	18.18	6.67	0.00	33.33	4.35	0.00	0.00	0.00	0.00	7.55	0.00	0.00	
	Didn't know program was available	30.95	47.06	66.67	32.00	36.36	40.00	25.00	0.00	21.74	25.00	22.22	20.00	20.00	28.30	30.00	33.33	
	No program available	3.18	0.00	0.00	6.00	9.09	13.33	0.00	0.00	2.17	0.00	0.00	10.00	0.00	3.77	0.00	0.00	
	RECORD OTHER	30.16	17.65	33.33	18.00	9.09	13.33	43.75	66.67	23.91	50.00	55.56	20.00	40.00	43.40	30.00	66.67	
	REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	DONT KNOW	4.76	17.65	0.00	8.00	9.09	20.00	6.25	0.00	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	n	126	17	6	50	11	15	16	3	46	4	9	10	5	53	10	6	
<b>&lt;L_MSP2_5&gt;How many ...HID (High Density Discharge) Fixtures, Compact... did you buy on your own at this facility?</b>																		
	2	15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.86	50.00	0.00	
	4	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	50.00	
	5	15.38	33.33	0.00	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	6	15.38	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	
	7	7.69	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	10	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	12	7.69	33.33	0.00	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	16	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	
	20	7.69	33.33	0.00	50.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	24	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	50.00	0.00	
	n	13	3	1	2	1	6	-	-	1	-	-	-	-	7	2	2	
<b>&lt;L_MSP4_5&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement.My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the HID (High Density Discharge) Fixtures.</b>																		
	1	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	2	14.29	33.33	0.00	50.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	50.00	
	3	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	
	4	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	50.00	0.00	
	5	28.57	0.00	0.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	42.86	50.00	0.00	
	8	7.14	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	11	28.57	66.67	100.00	0.00	100.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	
	n	14	3	1	2	1	6	-	-	2	-	-	-	-	7	2	2	
<b>&lt;L_MSP5_5&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																		
	Too much paperwork	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Takes too long to get approval	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	No time to participate, needed equipment immediately	14.29	33.33	0.00	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Program had ended	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Equipment would not qualify MUST EXPLAIN	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	
	Amount of rebate wasn't important enough	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Didn't know program was available	50.00	33.33	100.00	100.00	100.00	66.67	0.00	0.00	50.00	0.00	0.00	0.00	0.00	42.86	50.00	50.00	
	No program available	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECORD OTHER	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.14	50.00	50.00	
	REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	DONT KNOW	7.14	33.33	0.00	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	n	14	3	1	2	1	6	-	-	2	-	-	-	-	7	2	2	

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI17_5&gt; Were the HID lamps you installed High Pressure Sodium, Metal Halide, Mercury Vapor or Incandescent?</b>																
High pressure sodium	28.57	33.33	0.00	50.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.86	50.00	0.00
Metal Halide	57.14	66.67	100.00	50.00	100.00	83.33	0.00	0.00	100.00	0.00	0.00	0.00	0.00	42.86	50.00	0.00
Mercury vapor	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00
Incandescent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	50.00
n	14	3	1	2	1	6	-	-	2	-	-	-	-	7	2	2
<b>&lt;L_MSP2_7&gt;How many ...Compact Fluorescent, Hardwire... did you buy on your own at this facility?</b>																
2	18.18	0.00	0.00	25.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	20.00	0.00
3	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
4	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	20.00	33.33
9	9.09	0.00	100.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	9.09	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
40	9.09	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
300	9.09	50.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00
n	11	2	1	4	2	1	-	-	-	-	-	-	-	2	5	3
<b>&lt;L_MSP2_7B&gt;How many ...Compact Fluorescent, Hardwire... did you buy on your own at another facility location?</b>																
0	20.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	33.33	0.00	50.00	0.00	0.00	25.00	0.00	0.00
6	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	25.00	33.33	0.00
10	10.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	10.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
100	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	25.00	0.00	100.00
300	10.00	0.00	0.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
5000	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	50.00	0.00	0.00	0.00	0.00	0.00
Don't know	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00
n	10	1	-	1	1	-	1	1	3	2	2	1	1	4	3	1
<b>&lt;L_MSP4_7&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement.My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the Compact Fluorescent,(Hardwire)</b>																
1	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00
2	5.88	0.00	0.00	20.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	5.88	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	11.76	0.00	100.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00
6	11.76	0.00	0.00	0.00	0.00	0.00	100.00	66.67	100.00	50.00	50.00	0.00	0.00	0.00	0.00	0.00
7	5.88	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11.76	0.00	0.00	0.00	0.00	0.00	100.00	0.00	33.33	0.00	50.00	0.00	0.00	14.29	0.00	0.00
10	11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	28.57	0.00	0.00
11	23.53	0.00	0.00	20.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	100.00	50.00	28.57	100.00	100.00
Don't know	5.88	50.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	17	2	1	5	3	1	1	1	3	2	2	1	2	7	3	1
<b>&lt;L_MSP5_7&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																
Too much paperwork	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Takes too long to get approval	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	14.29	0.00	100.00
No time to participate, needed equipment immediately	47.06	0.00	0.00	80.00	0.00	100.00	0.00	100.00	66.67	100.00	50.00	0.00	50.00	57.14	0.00	0.00
Program had ended	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment would not qualify MUST EXPLAIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amount of rebate wasn't important enough	11.76	50.00	0.00	0.00	0.00	0.00	100.00	0.00	33.33	0.00	50.00	0.00	0.00	0.00	0.00	0.00
Didn't know program was available	17.65	100.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	14.29	33.33	0.00
No program available	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00
RECORD OTHER	5.88	0.00	100.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DONT KNOW	11.76	0.00	0.00	20.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00
n	17	2	1	5	3	1	1	1	3	2	2	1	2	7	3	1

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;L_MSP2_10&gt;How many ...Exit Signs, LED... did you buy on your own at this facility?</b>																
1	18.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	100.00
4	9.09	0.00	0.00	14.29	50.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	9.09	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	9.09	66.67	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	18.18	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00	0.00
45	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	27.27	33.33	0.00	42.86	50.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	11	3	-	7	2	4	-	-	-	-	-	1	1	3	7	2
<b>&lt;L_MSP2_10B&gt;How many ...Exit Signs, LED... did you buy on your own at another facility location?</b>																
0	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00	100.00	0.00
140	33.33	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	33.33	0.00	0.00	50.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	3	-	-	2	1	1	-	-	-	-	-	-	1	1	1	-
<b>&lt;L_MSP4_10&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement. My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the Exit Signs, LED</b>																
1	9.09	0.00	0.00	14.29	50.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	9.09	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9.09	0.00	0.00	14.29	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	50.00
11	45.45	0.00	0.00	28.57	50.00	25.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00	66.67	100.00	50.00
Don't know	18.18	100.00	0.00	28.57	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	11	3	-	7	2	4	-	-	-	-	-	1	1	3	7	2
<b>&lt;L_MSP5_10&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																
Too much paperwork	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	33.33	100.00	0.00
Takes too long to get approval	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	33.33	100.00	0.00
No time to participate, needed equipment immediately	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	33.33	100.00	0.00
Program had ended	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment would not qualify MUST EXPLAIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amount of rebate wasn't important enough	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Didn't know program was available	50.00	0.00	0.00	33.33	50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	100.00
No program available	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECORD OTHER	16.67	100.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	16.67	0.00	0.00	33.33	50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	6	2	-	3	2	2	-	-	-	-	-	-	1	3	7	2
<b>&lt;L_MSP2_16&gt;How many ...Lighting Controls, Occupancy Sensor... did you buy on your own at this facility?</b>																
0	20.00	33.33	0.00	16.67	0.00	33.33	0.00	0.00	0.00	0.00	0.00	100.00	0.00	20.00	100.00	0.00
1	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
3	33.33	33.33	25.00	33.33	20.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00
4	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
5	6.67	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20.00	33.33	50.00	33.33	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	6.67	0.00	0.00	16.67	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	15	3	4	6	5	3	-	-	-	-	-	1	-	5	7	-
<b>&lt;L_MSP2_16B&gt;How many ...Lighting Controls, Occupancy Sensor... did you buy on your own at another facility location?</b>																
0	20.00	100.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	20.00	0.00	0.00	50.00	50.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	20.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	20.00	0.00	0.00	0.00	50.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	5	1	-	2	2	3	-	-	1	-	-	-	-	-	-	-

		ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)	
<b>&lt;L_MSP4_16&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement.My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the Lighting Controls, Occupancy Sensor</b>																		
	3	5.88	0.00	0.00	16.67	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	11.76	33.33	0.00	33.33	16.67	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	11.76	0.00	25.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	8	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	10	17.65	66.67	0.00	33.33	16.67	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11	35.29	0.00	75.00	16.67	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	Refused	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	20.00	100.00	0.00
	Don't know	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	n	17	3	4	6	6	4	-	-	1	-	-	1	-	5	1	-	-
<b>&lt;L_MSP5_16&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																		
	Too much paperwork	5.88	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Takes too long to get approval	5.88	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	No time to participate, needed equipment immediately	11.76	33.33	25.00	16.67	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Program had ended	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Equipment would not qualify MUST EXPLAIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Amount of rebate wasn't important enough	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	Didn't know program was available	11.76	0.00	0.00	16.67	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	No program available	5.88	0.00	0.00	0.00	16.67	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECORD OTHER	41.18	66.67	50.00	50.00	50.00	50.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	REFUSED	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	20.00	100.00	0.00
	DON'T KNOW	11.76	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
	n	17	3	4	6	6	4	-	-	1	-	-	1	-	5	1	-	-
<b>&lt;L_MSP2_21&gt;How many ...Skinny/Thin Tubes... did you buy on your own at this facility?</b>																		
	0	3.03	0.00	0.00	14.29	14.29	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00
	2	9.09	16.67	0.00	14.29	0.00	0.00	11.11	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	6.06	0.00	0.00	0.00	0.00	0.00	11.11	100.00	6.25	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00
	6	3.03	0.00	0.00	0.00	0.00	0.00	11.11	0.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	9.09	0.00	0.00	0.00	0.00	0.00	11.11	0.00	6.25	0.00	0.00	0.00	100.00	28.57	50.00	100.00	0.00
	10	6.06	16.67	0.00	14.29	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	0.00
	12	12.12	0.00	25.00	14.29	14.29	0.00	22.22	0.00	6.25	0.00	16.67	0.00	0.00	14.29	0.00	0.00	0.00
	16	3.03	16.67	0.00	14.29	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20	6.06	16.67	0.00	0.00	14.29	0.00	11.11	0.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	24	6.06	16.67	0.00	0.00	0.00	0.00	11.11	0.00	6.25	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00
	30	9.09	0.00	25.00	14.29	14.29	0.00	0.00	0.00	6.25	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00
	50	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	50.00	0.00	0.00
	60	3.03	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	120	3.03	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Refused	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	0.00
	Don't know	12.12	0.00	50.00	14.29	28.57	0.00	11.11	0.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	n	33	6	4	7	7	2	9	1	16	-	6	-	1	7	2	1	-



	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;L_MSP2_21&gt;How many ...Skinny/Thin Tubes... did you buy on your own at another facility location?</b>																
0	14.29	0.00	0.00	25.00	50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28.57	0.00	0.00	0.00	0.00	0.00	100.00	100.00	33.33	0.00	50.00	0.00	0.00	0.00	0.00	0.00
20	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
36	14.29	0.00	0.00	50.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	50.00	0.00	0.00	0.00	0.00	0.00
400	14.29	0.00	0.00	25.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	7	-	-	4	2	2	1	1	3	-	2	-	-	1	-	-
<b>&lt;L_MSP4_21&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement. My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the Skinny/Thin Tubes.</b>																
3	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
4	2.70	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	8.11	16.67	0.00	10.00	12.50	33.33	10.00	0.00	11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2.70	0.00	0.00	0.00	0.00	0.00	10.00	0.00	5.88	0.00	14.29	0.00	0.00	0.00	0.00	0.00
7	5.41	0.00	0.00	30.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16.22	16.67	0.00	0.00	12.50	0.00	10.00	0.00	41.18	0.00	42.86	0.00	0.00	0.00	0.00	0.00
9	5.41	0.00	25.00	10.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	12.50	0.00	0.00
10	32.43	50.00	25.00	40.00	25.00	33.33	40.00	100.00	23.53	0.00	14.29	0.00	0.00	50.00	100.00	100.00
11	24.32	16.67	50.00	10.00	37.50	0.00	20.00	0.00	17.65	0.00	28.57	0.00	0.00	25.00	0.00	0.00
n	37	6	4	10	8	3	10	1	17	-	7	-	1	8	2	1
<b>&lt;L_MSP5_21&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																
Too much paperwork	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Takes too long to get approval	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No time to participate, needed equipment immediately	35.14	16.67	50.00	40.00	25.00	33.33	20.00	100.00	35.29	0.00	42.86	0.00	0.00	37.50	50.00	0.00
Program had ended	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment would not qualify MUST EXPLAIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amount of rebate wasn't important enough	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Didn't know program was available	32.43	50.00	0.00	20.00	25.00	0.00	70.00	0.00	52.94	0.00	28.57	0.00	0.00	0.00	0.00	0.00
No program available	8.11	16.67	25.00	20.00	12.50	33.33	10.00	0.00	5.88	0.00	14.29	0.00	0.00	0.00	0.00	0.00
RECORD OTHER	18.92	16.67	25.00	20.00	37.50	33.33	0.00	0.00	0.00	0.00	0.00	0.00	100.00	50.00	50.00	100.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.00	14.29	0.00	0.00	12.50	0.00	0.00
n	37	6	4	10	8	3	10	1	17	-	7	-	1	8	2	1
<b>&lt;L_MSP2_22&gt;How many ...T5 Fixtures (5/8" diameter)... did you buy on your own at this facility?</b>																
4	6.25	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	6.25	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25.00	0.00	16.67	28.57	42.86	0.00	0.00	0.00	100.00	0.00	0.00	0.00	50.00	0.00	66.67	0.00
10	6.25	0.00	16.67	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	18.75	75.00	16.67	14.29	14.29	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	6.25	0.00	16.67	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	12.50	0.00	16.67	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	100.00	33.33	0.00
20	6.25	0.00	0.00	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240	6.25	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	6.25	0.00	0.00	28.57	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	16	4	6	7	7	2	-	1	3	-	-	-	2	1	3	-
<b>&lt;L_MSP2_22B&gt;How many ...T5 Fixtures (5/8" diameter)... did you buy on your own at another facility location?</b>																
0	28.57	100.00	0.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00
34	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	100.00	100.00
50	14.29	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	7	1	1	1	2	1	-	-	1	-	-	-	-	3	3	1

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)	
<b>&lt;L_MSP4_22&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement. My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the T5 Fixtures (5/8" diameter).</b>																	
1	9.52	25.00	0.00	28.57	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	4.76	0.00	14.29	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4.76	0.00	0.00	14.29	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	9.52	50.00	14.29	14.29	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	4.76	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14.29	0.00	14.29	14.29	14.29	0.00	0.00	0.00	25.00	0.00	0.00	0.00	50.00	0.00	33.33	0.00	0.00
9	4.76	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28.57	0.00	28.57	28.57	14.29	50.00	0.00	0.00	75.00	0.00	0.00	0.00	50.00	50.00	16.67	0.00	0.00
11	19.05	25.00	14.29	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	50.00	100.00	0.00
n	21	4	7	7	7	2	-	1	4	-	-	-	2	4	6	1	1
<b>&lt;L_MSP5_22&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																	
Too much paperwork	9.52	25.00	0.00	14.29	28.57	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Takes too long to get approval	4.76	0.00	0.00	28.57	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No time to participate, needed equipment immediately	28.57	75.00	14.29	57.14	14.29	50.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Program had ended	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment would not qualify MUST EXPLAIN	4.76	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amount of rebate wasn't important enough	4.76	0.00	14.29	14.29	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Didn't know program was available	19.05	25.00	28.57	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	33.33	0.00	0.00
No program available	23.81	0.00	28.57	14.29	28.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	75.00	66.67	100.00	0.00
RECORD OTHER	23.81	0.00	42.86	0.00	28.57	50.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	21	4	7	7	7	2	-	1	4	-	-	-	2	4	6	1	1
<b>&lt;L_MSP2_77&gt;How many ...Fixtures/Lights... did you buy on your own at this facility?</b>																	
0	1.64	0.00	0.00	0.00	0.00	0.00	2.86	0.00	1.35	0.00	0.00	0.00	25.00	3.85	0.00	0.00	0.00
1	4.92	0.00	0.00	0.00	0.00	0.00	11.43	0.00	5.41	0.00	14.29	16.67	0.00	7.69	0.00	0.00	0.00
2	10.66	11.76	11.11	8.11	9.09	0.00	14.29	0.00	13.51	0.00	0.00	0.00	0.00	11.54	0.00	0.00	0.00
3	7.38	11.76	0.00	10.81	0.00	0.00	11.43	0.00	14.86	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00
4	8.20	5.88	0.00	16.22	9.09	11.11	5.71	0.00	5.41	0.00	0.00	0.00	25.00	7.69	28.57	0.00	0.00
5	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00
6	6.56	11.76	0.00	10.81	18.18	11.11	5.71	0.00	5.41	0.00	14.29	0.00	0.00	3.85	0.00	0.00	0.00
7	1.64	0.00	11.11	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	3.85	14.29	0.00	0.00
8	4.10	0.00	22.22	0.00	9.09	0.00	5.71	0.00	2.70	0.00	0.00	16.67	0.00	0.00	0.00	25.00	0.00
9	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	7.38	5.88	33.33	5.41	27.27	11.11	2.86	0.00	8.11	0.00	14.29	16.67	0.00	7.69	0.00	25.00	0.00
11	0.82	0.00	0.00	0.00	0.00	0.00	2.86	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	6.56	0.00	0.00	2.70	0.00	0.00	2.86	0.00	2.70	0.00	0.00	33.33	0.00	19.23	28.57	25.00	0.00
15	2.46	0.00	0.00	0.00	0.00	0.00	2.86	0.00	2.70	100.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00
17	0.82	0.00	0.00	0.00	0.00	0.00	2.86	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.82	5.88	0.00	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	4.92	0.00	0.00	5.41	0.00	0.00	5.71	100.00	6.76	0.00	14.29	0.00	25.00	11.54	0.00	0.00	0.00
30	1.64	5.88	0.00	2.70	9.09	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	0.82	5.88	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	3.28	5.88	11.11	2.70	0.00	0.00	2.86	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	0.82	0.00	0.00	0.00	0.00	0.00	2.86	0.00	1.35	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00
60	0.82	0.00	0.00	0.00	0.00	0.00	2.86	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.82	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.82	5.88	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.82	0.00	0.00	0.00	0.00	0.00	2.86	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	4.10	0.00	11.11	5.41	0.00	0.00	2.86	0.00	4.05	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00
150	0.82	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	1.64	0.00	0.00	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00
400	0.82	0.00	0.00	5.41	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Not applicable	0.82	5.88	0.00	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	11.48	5.88	0.00	10.81	0.00	22.22	8.57	0.00	12.16	0.00	14.29	16.67	0.00	7.69	28.57	25.00	0.00
n	122	17	9	37	11	9	35	1	74	2	7	6	4	26	7	4	4

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;L_MSP2_77B&gt;How many ...Fixtures/Lights... did you buy on your own at another facility location?</b>																
0	7.41	0.00	0.00	0.00	0.00	0.00	50.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00
4	3.70	0.00	50.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	11.11	100.00	0.00	0.00	50.00	100.00	0.00	0.00	20.00	0.00	0.00	0.00	50.00	12.50	0.00	0.00
8	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
10	7.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33	0.00	0.00	0.00	50.00	0.00	33.33	0.00
12	3.70	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
20	3.70	0.00	0.00	0.00	0.00	0.00	25.00	0.00	13.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	3.70	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	3.70	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	50.00
200	7.41	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
1000	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33	0.00	100.00	0.00	0.00	0.00	0.00	0.00
Don't know	29.63	0.00	0.00	44.44	0.00	0.00	25.00	0.00	20.00	0.00	0.00	0.00	0.00	12.50	66.67	50.00
n	27	1	2	9	2	1	4	-	15	-	1	-	2	8	3	2
<b>&lt;L_MSP4_77&gt;On a scale from 1-11, with 1 indicating that you strongly disagree, and 11 indicating that you strongly agree, please rate the following statement.My experience with the 06-08 &amp;Utility &amp;Program influenced my decision to install the Fixtures/Lights.</b>																
1	2.90	0.00	9.09	4.65	0.00	0.00	5.71	0.00	4.94	0.00	0.00	0.00	0.00	3.13	0.00	0.00
2	5.07	11.76	0.00	4.65	0.00	11.11	0.00	0.00	2.47	0.00	0.00	0.00	20.00	6.25	11.11	0.00
3	2.17	0.00	0.00	4.65	0.00	0.00	2.86	0.00	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1.45	0.00	0.00	9.30	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	12.32	0.00	45.45	2.33	8.33	0.00	25.71	0.00	11.11	50.00	0.00	33.33	20.00	6.25	22.22	16.67
6	2.17	0.00	0.00	2.33	0.00	0.00	2.86	0.00	3.70	0.00	25.00	0.00	0.00	0.00	0.00	0.00
7	4.35	5.88	0.00	0.00	0.00	0.00	5.71	0.00	7.41	0.00	12.50	16.67	0.00	0.00	11.11	16.67
8	13.04	23.53	0.00	20.93	8.33	33.33	8.57	0.00	6.17	0.00	0.00	16.67	20.00	15.63	11.11	0.00
10	14.49	5.88	18.18	4.65	16.67	11.11	11.43	100.00	16.05	50.00	12.50	0.00	0.00	21.88	11.11	16.67
11	34.78	41.18	27.27	44.19	33.33	22.22	31.43	0.00	35.80	0.00	50.00	16.67	40.00	43.75	22.22	50.00
Refused	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Don't know	6.52	11.76	0.00	2.33	25.00	22.22	5.71	0.00	4.94	0.00	0.00	16.67	0.00	3.13	11.11	0.00
n	138	17	11	43	12	9	35	1	81	2	8	6	5	32	9	6
<b>&lt;L_MSP5_77&gt; Why did you purchase this lighting without the financial assistance available through &amp;Utility program?</b>																
Too much paperwork	1.45	0.00	0.00	0.00	0.00	0.00	2.86	0.00	2.47	0.00	0.00	0.00	0.00	3.13	0.00	0.00
Takes too long to get approval	3.62	5.88	0.00	2.33	8.33	11.11	2.86	0.00	3.70	0.00	0.00	0.00	0.00	3.13	0.00	0.00
No time to participate, needed equipment immediately	23.91	17.65	45.45	25.58	8.33	11.11	28.57	0.00	28.40	0.00	12.50	33.33	60.00	18.75	77.78	16.67
Program had ended	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	11.11	0.00
Equipment would not qualify MUST EXPLAIN	1.45	0.00	0.00	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.00	0.00	0.00	16.67
Amount of rebate wasn't important enough	3.62	5.88	0.00	4.65	8.33	11.11	5.71	0.00	2.47	0.00	12.50	0.00	0.00	0.00	0.00	0.00
Didn't know program was available	37.68	41.18	45.45	32.56	58.33	22.22	34.29	0.00	45.68	100.00	37.50	16.67	20.00	37.50	0.00	16.67
No program available	4.32	0.00	8.33	8.89	0.00	0.00	5.71	0.00	3.70	0.00	25.00	0.00	0.00	3.13	0.00	0.00
RECORD OTHER	19.42	23.53	8.33	17.78	8.33	33.33	17.14	100.00	16.05	0.00	12.50	16.67	20.00	25.00	11.11	16.67
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	8.70	5.88	0.00	6.98	8.33	11.11	11.43	0.00	9.88	0.00	0.00	16.67	0.00	9.38	11.11	33.33
n	138	17	11	43	12	9	35	1	81	2	8	6	5	32	9	6

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;CFL_1A&gt;Where did you purchase the CFLs that were installed OUTSIDE the &amp;Program?</b>																
Home Depot	51.92	61.90	0.00	42.31	50.00	60.00	59.38	0.00	61.90	0.00	77.78	33.33	0.00	57.14	0.00	80.00
Costco	6.73	4.76	50.00	7.69	0.00	0.00	6.25	0.00	7.14	0.00	0.00	0.00	0.00	14.29	0.00	0.00
Orchard Supply Hardware. Ace Hardware	2.89	4.76	0.00	0.00	0.00	0.00	6.25	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lowe's	9.62	14.29	0.00	7.69	33.33	10.00	12.50	0.00	9.52	0.00	0.00	0.00	0.00	4.76	0.00	0.00
Long's	1.92	0.00	0.00	0.00	0.00	0.00	6.25	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SaveMart	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
K-Mart	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sams Club	0.96	0.00	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Smart&Final	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Luckys/Albertsons	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yardbirds Home Ctr	0.96	0.00	0.00	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Frys Elect	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True Value	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Contractor	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.76	0.00	0.00
STAPLES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	32.69	33.33	0.00	46.15	50.00	40.00	15.63	0.00	19.05	0.00	22.22	50.00	0.00	38.10	25.00	40.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	6.73	4.76	50.00	7.69	0.00	0.00	3.13	0.00	0.00	0.00	0.00	16.67	0.00	4.76	75.00	0.00
n	104	21	2	26	6	10	32	-	42	-	9	6	-	21	4	5
<b>&lt;CFL_2&gt; Did the CFL's have a sticker indicating a &amp;UTILITY instant rebate?</b>																
Yes	9.62	0.00	50.00	0.00	0.00	0.00	12.50	0.00	9.52	0.00	0.00	16.67	0.00	14.29	25.00	0.00
No	56.73	47.62	0.00	65.38	100.00	60.00	65.63	0.00	69.05	0.00	77.78	66.67	0.00	61.90	25.00	80.00
Don't know	33.65	52.38	50.00	34.62	0.00	40.00	21.88	0.00	21.43	0.00	22.22	16.67	0.00	23.81	50.00	20.00
n	104	21	2	26	6	10	32	-	42	-	9	6	-	21	4	5
<b>&lt;CFL_3&gt;Were all the CFLs installed or were some of them placed in storage for later use?</b>																
All installed	49.04	57.14	0.00	46.15	50.00	60.00	53.13	0.00	57.14	0.00	55.56	50.00	0.00	38.10	75.00	80.00
Some installed	49.04	42.86	50.00	53.85	50.00	40.00	43.75	0.00	40.48	0.00	33.33	50.00	0.00	61.90	25.00	20.00
Don't know	1.92	0.00	50.00	0.00	0.00	0.00	3.13	0.00	2.38	0.00	11.11	0.00	0.00	0.00	0.00	0.00
n	104	21	2	26	6	10	32	-	42	-	9	6	-	21	4	5
<b>&lt;CFL_4&gt;What percentage were installed?</b>																
1 to 25 percent	9.80	22.22	0.00	7.14	0.00	0.00	7.14	0.00	5.88	0.00	0.00	0.00	0.00	7.69	0.00	0.00
25 to 50 percent	31.37	22.22	0.00	14.29	33.33	75.00	50.00	0.00	47.06	0.00	33.33	33.33	0.00	30.77	0.00	100.00
50 to 75 percent	27.45	44.44	0.00	21.43	66.67	25.00	21.43	0.00	17.65	0.00	33.33	33.33	0.00	23.08	100.00	0.00
75 to 100 percent	31.37	11.11	100.00	57.14	0.00	0.00	21.43	0.00	29.41	0.00	33.33	33.33	0.00	38.46	0.00	0.00
n	51	9	1	14	3	4	14	-	17	-	3	3	-	13	1	1
<b>&lt;CFL_5&gt;Why were they put in storage?</b>																
For future replacement	64.71	88.89	100.00	78.57	66.67	75.00	78.57	0.00	94.12	0.00	66.67	100.00	0.00	38.46	100.00	100.00
Other	33.33	11.11	0.00	21.43	33.33	25.00	14.29	0.00	5.88	0.00	0.00	0.00	0.00	61.54	0.00	0.00
Don't know	1.96	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00
n	51	9	1	14	3	4	14	-	17	-	3	3	-	13	1	1
<b>&lt;CFL24&gt; When you bought your CFLs, what kind of lamp did you replace?</b>																
Incandescent	63.73	61.90	0.00	61.54	83.33	80.00	54.84	0.00	51.22	0.00	25.00	83.33	0.00	76.19	100.00	60.00
CFLs	28.43	47.62	0.00	38.46	33.33	50.00	29.03	0.00	26.83	0.00	25.00	50.00	0.00	23.81	0.00	40.00
HID	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercury Vapor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECORD	11.77	0.00	100.00	11.54	0.00	0.00	6.45	0.00	12.20	0.00	0.00	0.00	0.00	14.29	0.00	20.00
REFUSED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	2.94	0.00	0.00	0.00	0.00	0.00	6.45	0.00	7.32	0.00	25.00	0.00	0.00	0.00	0.00	0.00
n	102	21	1	26	6	10	31	-	41	-	8	6	-	21	4	5
<b>&lt;LI23_1&gt; Did you receive a rebate for the purchase of the High performance T8 fluorescent fixtures (1" diameter bulbs)?</b>																
YES	10.34	0.00	0.00	7.69	0.00	0.00	0.00	0.00	22.22	0.00	100.00	0.00	0.00	50.00	0.00	0.00
NO	86.21	100.00	100.00	92.31	100.00	100.00	100.00	0.00	66.67	0.00	0.00	0.00	0.00	50.00	66.67	100.00
DON'T KNOW	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	29	2	3	13	4	2	3	-	9	-	1	-	-	4	-	1

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI24_1&gt; What type of lighting was removed and replaced when you installed the High performance T8 fluorescent fixtures (1" diameter bulbs)?</b>																
High Performance T8	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	100.00
T8 fluorescent fixtures (1in. diameter b	10.34	50.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	51.72	0.00	66.67	76.92	50.00	50.00	66.67	0.00	77.78	0.00	100.00	0.00	0.00	50.00	0.00	0.00
Incandescent	6.90	50.00	0.00	7.69	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Ballast	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Fluorescent	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skinny/Thin Tubes	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NEW Equipment-didn't replace anything.	13.79	0.00	33.33	15.38	25.00	0.00	33.33	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other -Record	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	29	2	3	13	4	2	3	-	9	-	1	-	-	4	-	1
<b>&lt;LI26_1&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (High performance T8 fluorescent fixtures (1" diameter bulbs))</b>																
Less than 5 years old	32.00	0.00	0.00	27.27	0.00	0.00	50.00	0.00	37.50	0.00	0.00	0.00	0.00	50.00	0.00	100.00
Between 5 and 10 years old	28.00	50.00	0.00	9.09	0.00	50.00	50.00	0.00	50.00	0.00	100.00	0.00	0.00	50.00	0.00	0.00
Between 10 and 15 years old	16.00	0.00	0.00	27.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
More than 15 years old	24.00	50.00	100.00	36.36	100.00	50.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	25	2	2	11	3	2	2	-	8	-	1	-	-	4	-	1
<b>&lt;LI23_2&gt; Did you receive a rebate for the purchase of the T8 fluorescent fixtures (1" diameter bulbs)?</b>																
YES	6.55	5.26	0.00	15.69	12.50	5.26	0.00	33.33	0.00	0.00	0.00	10.00	0.00	5.26	16.67	14.29
NO	88.69	78.95	100.00	72.55	87.50	89.47	100.00	66.67	100.00	100.00	100.00	90.00	100.00	89.47	83.33	85.71
DON'T KNOW	4.76	15.79	0.00	11.76	0.00	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.26	0.00	0.00
n	168	19	7	51	16	19	16	3	46	4	9	10	5	57	12	7
<b>&lt;LI24_2&gt; What type of lighting was removed and replaced when you installed the T8 fluorescent fixtures (1" diameter bulbs)?</b>																
High Performance T8	1.19	0.00	0.00	3.92	6.25	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	8.33	0.00
T8 fluorescent fixtures (1in. diameter b	24.41	26.32	28.57	17.65	31.25	21.05	37.50	0.00	26.09	25.00	11.11	40.00	0.00	36.84	25.00	28.57
T10 fluorescent fixtures	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	39.29	42.11	28.57	54.90	25.00	47.37	43.75	66.67	36.96	25.00	44.44	20.00	60.00	26.32	25.00	57.14
Incandescent	5.95	10.53	0.00	5.88	12.50	21.05	0.00	0.00	0.00	0.00	0.00	10.00	0.00	3.51	8.33	0.00
Exit Signs, Compact Fluorescent	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00
Magnetic Ballast	1.19	5.26	0.00	0.00	0.00	5.26	0.00	33.33	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Fluorescent	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.51	8.33	0.00
Fat/Thick Tubes	3.57	5.26	0.00	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	3.51	0.00	0.00
NEW Equipment-didn't replace anything.	17.26	0.00	42.86	9.80	18.75	0.00	18.75	0.00	30.43	25.00	33.33	10.00	40.00	22.81	25.00	14.29
Other -Record	2.38	5.26	0.00	0.00	0.00	5.26	0.00	0.00	4.35	25.00	11.11	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	1.79	5.26	0.00	5.88	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	168	19	7	51	16	19	16	3	46	4	9	10	5	57	12	7
<b>&lt;LI26_2&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (T8 fluorescent fixtures (1" diameter bulbs))</b>																
Less than 5 years old	23.02	10.53	0.00	17.39	0.00	5.26	53.85	0.00	34.38	0.00	33.33	44.44	0.00	50.00	44.44	33.33
Between 5 and 10 years old	17.99	26.32	25.00	19.57	38.46	15.79	7.69	0.00	18.75	33.33	0.00	22.22	0.00	9.09	22.22	16.67
Between 10 and 15 years old	24.46	10.53	25.00	21.74	23.08	21.05	23.08	66.67	18.75	0.00	33.33	22.22	66.67	22.73	11.11	50.00
More than 15 years old	28.06	47.37	25.00	39.13	30.77	52.63	7.69	33.33	21.88	33.33	16.67	0.00	33.33	18.18	22.22	0.00
REFUSED	1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.25	33.33	16.67	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	5.04	5.26	25.00	2.17	7.69	5.26	7.69	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00
n	139	19	4	46	13	19	13	3	32	3	6	9	3	44	9	6
<b>&lt;LI24_4&gt; What type of lighting was removed and replaced when you installed the T12 Fixtures (1.5" diameter bulbs)?</b>																
High Performance T8	2.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	14.29	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	52.38	50.00	50.00	81.82	50.00	100.00	61.54	100.00	53.85	0.00	100.00	40.00	0.00	28.57	33.33	0.00
Fat/Thick Tubes	2.38	16.67	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NEW Equipment-didn't replace anything.	28.57	33.33	50.00	18.18	25.00	0.00	23.08	0.00	23.08	0.00	0.00	20.00	100.00	42.86	66.67	0.00
Other -Record	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.69	0.00	0.00	0.00	0.00	14.29	0.00	0.00
DON'T KNOW	7.14	0.00	0.00	0.00	0.00	0.00	15.38	0.00	15.38	0.00	0.00	20.00	0.00	0.00	0.00	0.00
n	42	6	2	11	4	3	13	1	26	-	1	5	1	7	3	-
<b>&lt;LI26_4&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (T12 Fixtures (1.5" diameter bulbs))</b>																
Less than 5 years old	36.67	25.00	0.00	11.11	0.00	33.33	70.00	0.00	50.00	0.00	0.00	25.00	0.00	50.00	0.00	0.00
Between 5 and 10 years old	23.33	0.00	100.00	55.56	66.67	33.33	10.00	100.00	10.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
Between 10 and 15 years old	13.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	50.00	100.00	0.00
More than 15 years old	20.00	50.00	0.00	11.11	33.33	33.33	20.00	0.00	30.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	6.67	25.00	0.00	22.22	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	30	4	1	9	3	3	10	1	20	-	1	4	-	4	1	-

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI23_ 5&gt; Did you receive a rebate for the purchase of the HID (High Density Discharge) Fixtures, Compact?</b>																
YES	5.26	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NO	94.74	100.00	100.00	100.00	100.00	50.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00	100.00	100.00
n	19	3	1	2	1	6	-	-	2	-	-	-	-	7	2	2
<b>&lt;LI24_ 5&gt; What type of lighting was removed and replaced when you installed the HID (High Density Discharge) Fixtures, Compact?</b>																
HID (High Intensity Discharge) Fixtures-	42.11	66.67	0.00	50.00	0.00	83.33	0.00	0.00	50.00	0.00	0.00	0.00	0.00	42.86	50.00	50.00
NEW Equipment-didn't replace anything,	31.58	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.86	50.00	0.00
Other -Record	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	15.79	33.33	0.00	50.00	0.00	16.67	0.00	0.00	50.00	0.00	0.00	0.00	0.00	14.29	0.00	50.00
n	19	3	1	2	1	6	-	-	2	-	-	-	-	7	2	2
<b>&lt;LI26_ 5&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (HID (High Density Discharge) Fixtures, Compact)</b>																
Less than 5 years old	7.69	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Between 5 and 10 years old	23.08	33.33	0.00	0.00	0.00	16.67	0.00	0.00	50.00	0.00	0.00	0.00	0.00	50.00	100.00	0.00
Between 10 and 15 years old	38.46	66.67	0.00	100.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
More than 15 years old	30.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	25.00	0.00	100.00
n	13	3	-	2	-	6	-	-	2	-	-	-	-	4	1	2
<b>&lt;LI26_ 6&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Compact Fluorescent, Screw-in Modular)</b>																
Less than 5 years old	68.00	57.14	0.00	46.15	66.67	70.00	82.76	0.00	87.18	0.00	71.43	50.00	0.00	55.00	50.00	75.00
Between 5 and 10 years old	18.00	23.81	100.00	42.31	16.67	20.00	3.45	0.00	2.56	0.00	14.29	0.00	0.00	25.00	0.00	0.00
Between 10 and 15 years old	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	25.00	25.00
More than 15 years old	5.00	9.52	0.00	11.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.00	5.00	25.00	0.00
DON'T KNOW	6.00	9.52	0.00	0.00	16.67	10.00	13.79	0.00	10.26	0.00	14.29	0.00	0.00	0.00	0.00	0.00
n	100	21	2	26	6	10	29	-	39	-	7	6	-	20	4	4
<b>&lt;LI23_ 7&gt; Did you receive a rebate for the purchase of the Compact Fluorescent, Hardwire?</b>																
YES	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	50.00	0.00	0.00	0.00	0.00	0.00
NO	80.95	100.00	100.00	80.00	66.67	100.00	100.00	0.00	33.33	0.00	50.00	100.00	100.00	85.71	100.00	100.00
DON'T KNOW	14.29	0.00	0.00	20.00	33.33	0.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	14.29	0.00	0.00
n	21	2	1	5	3	1	1	1	3	2	2	1	2	7	3	1
<b>&lt;LI24_ 7&gt; What type of lighting was removed and replaced when you installed the Compact Fluorescent, Hardwire?</b>																
T8 fluorescent fixtures (1in. diameter b	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	9.52	0.00	0.00	0.00	0.00	0.00	100.00	0.00	33.33	0.00	50.00	0.00	50.00	14.29	0.00	0.00
Compact Fluorescent, Hardwire	19.05	100.00	0.00	20.00	33.33	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	23.81	0.00	0.00	0.00	0.00	0.00	0.00	100.00	66.67	100.00	50.00	0.00	0.00	14.29	0.00	0.00
Other Fluorescent	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	14.29	33.33	0.00
NEW Equipment-didn't replace anything,	14.29	0.00	100.00	20.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00
Other -Record	19.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	57.14	0.00	100.00
DON'T KNOW	4.76	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	21	2	1	5	3	1	1	1	3	2	2	1	2	7	3	1

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI26_7&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Compact Fluorescent, Hardwire)</b>																
Less than 5 years old	22.22	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	14.29	100.00	0.00
Between 5 and 10 years old	38.89	50.00	0.00	0.00	100.00	0.00	0.00	100.00	66.67	100.00	50.00	0.00	0.00	42.86	0.00	0.00
Between 10 and 15 years old	27.78	0.00	0.00	0.00	0.00	0.00	100.00	0.00	33.33	0.00	50.00	100.00	50.00	42.86	0.00	100.00
More than 15 years old	5.56	0.00	0.00	25.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	5.56	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	18	2	-	4	1	1	1	1	3	2	2	1	2	7	1	1
<b>&lt;LI24_8&gt; What type of lighting was removed and replaced when you installed the Incandescent?</b>																
T8 fluorescent fixtures (1in. diameter b	5.71	11.11	0.00	15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00
Compact Fluorescent, Screw-In Modular	2.86	11.11	0.00	7.69	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	40.00	33.33	0.00	30.77	25.00	33.33	71.43	0.00	72.73	0.00	50.00	100.00	100.00	28.57	100.00	0.00
NEW Equipment-didn't replace anything,	31.43	0.00	0.00	15.38	25.00	0.00	14.29	0.00	18.18	0.00	0.00	0.00	0.00	57.14	0.00	0.00
Other -Record	8.57	22.22	0.00	30.77	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	11.43	22.22	0.00	0.00	50.00	33.33	14.29	0.00	9.09	0.00	50.00	0.00	0.00	0.00	0.00	0.00
n	35	9	-	13	4	6	7	-	11	-	2	1	1	7	1	-
<b>&lt;LI23_10&gt; Did you receive a rebate for the purchase of the Exit Signs, LED?</b>																
NO	90.91	100.00	0.00	85.71	100.00	75.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00	100.00	100.00	100.00
DON'T KNOW	9.09	0.00	0.00	14.29	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	11	3	-	7	2	4	-	-	-	-	-	1	1	3	1	2
<b>&lt;LI24_10&gt; What type of lighting was removed and replaced when you installed the Exit Signs, LED?</b>																
Incandescent	27.27	100.00	0.00	42.86	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Exit Signs, Compact Fluorescent	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	33.33	100.00	0.00
NEW Equipment-didn't replace anything,	18.18	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	50.00
Other -Record	27.27	0.00	0.00	28.57	100.00	50.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00
DON'T KNOW	18.18	0.00	0.00	14.29	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	50.00
n	11	3	-	7	2	4	-	-	-	-	-	1	1	3	1	2
<b>&lt;LI26_10&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Exit Signs, LED)</b>																
Less than 5 years old	22.22	33.33	0.00	33.33	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Between 5 and 10 years old	22.22	66.67	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	50.00	100.00	0.00
Between 10 and 15 years old	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	100.00
More than 15 years old	33.33	0.00	0.00	33.33	100.00	50.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00
DON'T KNOW	11.11	0.00	0.00	16.67	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	9	3	-	6	2	4	-	-	-	-	-	1	1	2	1	1
<b>&lt;LI24_11&gt; What type of lighting was removed and replaced when you installed the Halogen?</b>																
Incandescent	20.00	50.00	0.00	100.00	0.00	0.00	0.00	0.00	18.18	0.00	100.00	0.00	0.00	0.00	0.00	0.00
Halogen	40.00	0.00	100.00	0.00	100.00	0.00	66.67	0.00	54.55	0.00	0.00	100.00	0.00	50.00	0.00	0.00
NEW Equipment-didn't replace anything,	33.33	50.00	0.00	0.00	0.00	0.00	0.00	0.00	18.18	0.00	0.00	0.00	0.00	50.00	0.00	0.00
Other -Record	6.67	0.00	0.00	0.00	0.00	0.00	33.33	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	15	2	1	2	1	-	3	-	11	-	1	1	-	2	-	-
<b>&lt;LI26_11&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Halogen)</b>																
Less than 5 years old	40.00	0.00	100.00	0.00	100.00	0.00	66.67	0.00	44.44	0.00	0.00	100.00	0.00	100.00	0.00	0.00
Between 5 and 10 years old	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Between 10 and 15 years old	20.00	100.00	0.00	100.00	0.00	0.00	33.33	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
More than 15 years old	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.22	0.00	100.00	0.00	0.00	0.00	0.00	0.00
n	10	1	1	2	1	-	3	-	9	-	1	-	-	1	-	-
<b>&lt;LI24_13&gt; What type of lighting was removed and replaced when you installed the Electronic Ballast?</b>																
T12 Fixtures (1.5in. diameter bulbs)	6.12	10.00	0.00	6.67	0.00	25.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	2.04	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halogen	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Ballast	38.78	20.00	0.00	33.33	33.33	25.00	66.67	0.00	63.64	0.00	33.33	75.00	0.00	45.45	50.00	100.00
Magnetic Ballast	36.73	20.00	0.00	33.33	33.33	25.00	22.22	0.00	36.36	0.00	66.67	25.00	0.00	54.55	50.00	0.00
NEW Equipment-didn't replace anything,	8.16	20.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other -Record	6.12	20.00	100.00	6.67	33.33	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	49	10	1	15	3	4	9	-	11	-	3	4	-	11	2	1

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI26_13&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Electronic Ballast)</b>																
Less than 5 years old	20.00	12.50	0.00	16.67	0.00	25.00	44.44	0.00	45.45	0.00	0.00	25.00	0.00	27.27	0.00	100.00
Between 5 and 10 years old	31.11	50.00	0.00	41.67	33.33	25.00	22.22	0.00	27.27	0.00	33.33	25.00	0.00	9.09	0.00	0.00
Between 10 and 15 years old	17.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	36.36	50.00	0.00
More than 15 years old	31.11	37.50	100.00	41.67	66.67	50.00	33.33	0.00	27.27	0.00	66.67	25.00	0.00	27.27	50.00	0.00
n	45	8	1	12	3	4	9	-	11	-	3	4	-	11	2	1
<b>&lt;LI24_14&gt; What type of lighting was removed and replaced when you installed the Magnetic Ballast?</b>																
T8 fluorescent fixtures (1in. diameter b	12.50	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magnetic Ballast	75.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	0.00	100.00	0.00	0.00
NEW Equipment-didn't replace anything,	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	8	1	-	1	-	-	2	-	6	-	1	-	-	2	-	-
<b>&lt;LI26_14&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Magnetic Ballast)</b>																
Between 5 and 10 years old	28.57	100.00	0.00	100.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Between 10 and 15 years old	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00
More than 15 years old	57.14	0.00	0.00	0.00	0.00	0.00	100.00	0.00	50.00	0.00	100.00	0.00	0.00	50.00	0.00	0.00
n	7	1	-	1	-	-	2	-	6	-	1	-	-	2	-	-
<b>&lt;LI23_16&gt; Did you receive a rebate for the purchase of the Lighting Controls, Occupancy Sensor?</b>																
YES	18.18	0.00	0.00	16.67	16.67	25.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	20.00	100.00	0.00
NO	81.82	100.00	100.00	83.33	83.33	75.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	80.00	0.00	0.00
n	22	3	4	6	6	4	-	-	1	-	-	1	-	5	1	-
<b>&lt;LI24_16&gt; What type of lighting was removed and replaced when you installed the Lighting Controls, Occupancy Sensor?</b>																
T12 Fixtures (1.5in. diameter bulbs)	4.55	0.00	0.00	16.67	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	13.64	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00
Magnetic Ballast	4.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lighting Controls, Time Clock	4.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lighting Controls, Occupancy Sensor	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	20.00	100.00	0.00
NEW Equipment-didn't replace anything,	36.36	33.33	50.00	33.33	0.00	25.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
Other -Record	22.73	33.33	25.00	16.67	66.67	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
DONT KNOW	4.55	33.33	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	22	3	4	6	6	4	-	-	1	-	-	1	-	5	1	-
<b>&lt;LI26_16&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Lighting Controls, Occupancy Sensor)</b>																
Less than 5 years old	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
Between 5 and 10 years old	21.43	50.00	50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Between 10 and 15 years old	35.71	0.00	50.00	25.00	83.33	33.33	0.00	0.00	0.00	0.00	0.00	100.00	0.00	25.00	100.00	0.00
More than 15 years old	35.71	50.00	0.00	25.00	16.67	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00
n	14	2	2	4	6	3	-	-	-	-	-	1	-	4	1	-
<b>&lt;LI23_18&gt; Did you receive a rebate for the purchase of the Lighting Controls, Photocell?</b>																
YES	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NO	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00
DONT KNOW	33.33	0.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	3	-	-	2	-	1	-	-	-	-	-	-	-	-	1	-
<b>&lt;LI24_18&gt; What type of lighting was removed and replaced when you installed the Lighting Controls, Photocell?</b>																
NEW Equipment-didn't replace anything,	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00
DONT KNOW	33.33	0.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	3	-	-	2	-	1	-	-	-	-	-	-	-	-	1	-
<b>&lt;LI24_19&gt; What type of lighting was removed and replaced when you installed the Other Fluorescent?</b>																
High Performance T8	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.22	0.00	0.00
T8 fluorescent fixtures (1in. diameter b	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.22	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	2.50	0.00	0.00	0.00	66.67	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	12.50	50.00	0.00	0.00	33.33	50.00	0.00	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Fluorescent	40.00	0.00	0.00	0.00	0.00	0.00	36.36	0.00	33.33	0.00	100.00	100.00	100.00	44.44	100.00	0.00
Fat/Thick Tubes	2.50	0.00	0.00	0.00	0.00	0.00	9.09	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NEW Equipment-didn't replace anything,	25.00	16.67	50.00	66.67	0.00	0.00	45.45	0.00	42.86	0.00	0.00	0.00	0.00	11.11	0.00	0.00
Other -Record	10.00	33.33	50.00	33.33	0.00	0.00	9.09	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	40	6	2	6	3	2	11	-	21	-	1	1	1	9	3	-



	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI26_19&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Other Fluorescent)</b>																
Less than 5 years old	30.00	20.00	0.00	0.00	33.33	50.00	66.67	0.00	58.33	0.00	0.00	0.00	0.00	50.00	0.00	0.00
Between 5 and 10 years old	33.33	40.00	0.00	0.00	66.67	50.00	16.67	0.00	33.33	0.00	100.00	0.00	100.00	25.00	33.33	0.00
Between 10 and 15 years old	6.67	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	12.50	33.33	0.00
More than 15 years old	30.00	40.00	0.00	100.00	0.00	0.00	16.67	0.00	8.33	0.00	0.00	0.00	0.00	12.50	33.33	0.00
n	30	5	1	2	3	2	6	-	12	-	1	1	1	8	3	-
<b>&lt;LI24_20&gt; What type of lighting was removed and replaced when you installed the Fat/Thick Tubes?</b>																
Compact Fluorescent, Hardwire	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
Incandescent	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	20.00	0.00
Fat/Thick Tubes	56.52	0.00	0.00	0.00	0.00	0.00	75.00	0.00	86.67	0.00	0.00	100.00	0.00	75.00	60.00	0.00
Skinny/Thin Tubes	8.70	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NEW Equipment-didn't replace anything.	17.39	0.00	0.00	0.00	0.00	0.00	12.50	0.00	13.33	0.00	0.00	0.00	0.00	12.50	0.00	0.00
DON'T KNOW	8.70	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00
n	23	-	1	-	1	-	8	-	15	-	-	1	1	8	5	-
<b>&lt;LI26_20&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Fat/Thick Tubes)</b>																
Less than 5 years old	52.63	0.00	0.00	0.00	0.00	0.00	71.43	0.00	69.23	0.00	0.00	100.00	0.00	42.86	40.00	0.00
Between 5 and 10 years old	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.69	0.00	0.00	0.00	0.00	28.57	20.00	0.00
Between 10 and 15 years old	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	20.00	0.00
More than 15 years old	15.79	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	14.29	20.00	0.00
DON'T KNOW	10.53	0.00	0.00	0.00	0.00	0.00	28.57	0.00	23.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	19	-	1	-	1	-	7	-	13	-	-	1	1	7	5	-
<b>&lt;LI23_21&gt; Did you receive a rebate for the purchase of the Skinny/Thin Tubes?</b>																
YES	4.08	0.00	0.00	10.00	12.50	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NO	91.84	100.00	100.00	90.00	87.50	66.67	100.00	100.00	100.00	0.00	100.00	0.00	100.00	87.50	100.00	100.00
DON'T KNOW	4.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
n	49	6	4	10	8	3	10	1	17	-	7	-	1	8	2	1
<b>&lt;LI24_21&gt; What type of lighting was removed and replaced when you installed the Skinny/Thin Tubes?</b>																
T8 fluorescent fixtures (1in. diameter b	2.04	0.00	0.00	0.00	0.00	0.00	10.00	0.00	11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	4.08	0.00	25.00	20.00	25.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halogen	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	50.00	0.00
Fat/Thick Tubes	32.65	50.00	0.00	40.00	0.00	66.67	30.00	0.00	17.65	0.00	42.86	0.00	0.00	37.50	0.00	0.00
Skinny/Thin Tubes	34.69	50.00	25.00	30.00	37.50	0.00	50.00	0.00	58.82	0.00	57.14	0.00	0.00	12.50	50.00	100.00
NEW Equipment-didn't replace anything.	12.24	0.00	0.00	10.00	12.50	0.00	10.00	100.00	5.88	0.00	0.00	0.00	100.00	12.50	0.00	0.00
Other -Record	6.12	0.00	25.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
DON'T KNOW	4.08	0.00	25.00	0.00	12.50	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	49	6	4	10	8	3	10	1	17	-	7	-	1	8	2	1
<b>&lt;LI26_21&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Skinny/Thin Tubes)</b>																
Less than 5 years old	37.21	33.33	25.00	22.22	42.86	0.00	55.56	0.00	56.25	0.00	28.57	0.00	0.00	57.14	100.00	100.00
Between 5 and 10 years old	20.93	33.33	0.00	11.11	0.00	33.33	11.11	0.00	31.25	0.00	42.86	0.00	0.00	0.00	0.00	0.00
Between 10 and 15 years old	9.30	16.67	0.00	33.33	0.00	33.33	11.11	0.00	6.25	0.00	0.00	0.00	0.00	14.29	0.00	0.00
More than 15 years old	27.91	16.67	50.00	22.22	42.86	33.33	22.22	0.00	6.25	0.00	28.57	0.00	0.00	14.29	0.00	0.00
DON'T KNOW	4.65	0.00	25.00	11.11	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00
n	43	6	4	9	7	3	9	-	16	-	7	-	-	7	2	1
<b>&lt;LI23_22&gt; Did you receive a rebate for the purchase of the T5 Fixtures (5/8" diameter)?</b>																
YES	17.86	0.00	14.29	28.57	14.29	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NO	82.14	100.00	85.71	71.43	85.71	100.00	0.00	100.00	25.00	0.00	0.00	0.00	100.00	100.00	100.00	100.00
n	28	4	7	7	7	2	-	1	4	-	-	-	2	4	6	1

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;LI24_22&gt; What type of lighting was removed and replaced when you installed the T5 Fixtures (5/8" diameter)?</b>																
T8 fluorescent fixtures (1in. diameter b	7.14	0.00	0.00	28.57	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	17.86	0.00	28.57	42.86	14.29	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HID (High Intensity Discharge) Fixtures-	3.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	7.14	50.00	14.29	14.29	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halogen	3.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
Magnetic Ballast	3.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fat/Thick Tubes	10.71	0.00	0.00	0.00	0.00	0.00	0.00	100.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T5 Fixtures (5/8in. diameter)	10.71	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	25.00	16.67	0.00
NEW Equipment-didn't replace anything,	25.00	0.00	42.86	14.29	42.86	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	50.00	100.00
Other -Record	3.57	25.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	7.14	0.00	14.29	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	33.33	0.00
n	28	4	7	7	7	2	-	1	4	-	-	-	2	4	6	1
<b>&lt;LI26_22&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (T5 Fixtures (5/8" diameter))</b>																
Less than 5 years old	14.29	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	50.00	33.33	0.00
Between 5 and 10 years old	23.81	0.00	0.00	33.33	25.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	50.00	50.00	66.67	0.00
Between 10 and 15 years old	23.81	75.00	50.00	50.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
More than 15 years old	33.33	0.00	50.00	16.67	25.00	0.00	0.00	100.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n	21	4	4	6	4	1	-	1	4	-	-	-	2	2	3	-
<b>&lt;LI23_77&gt; Did you receive a rebate for the purchase of the Other (PLEASE SPECIFY)?</b>																
YES	1.90	0.00	0.00	2.33	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00	3.13	0.00	0.00
NO	92.41	100.00	100.00	88.37	100.00	88.89	100.00	100.00	91.36	100.00	75.00	100.00	80.00	93.75	100.00	100.00
DON'T KNOW	5.70	0.00	0.00	9.30	0.00	11.11	0.00	0.00	7.41	0.00	25.00	0.00	20.00	3.13	0.00	0.00
n	158	17	11	43	12	9	35	1	81	2	8	6	5	32	9	6
<b>&lt;LI24_77&gt; What type of lighting was removed and replaced when you installed the Other (PLEASE SPECIFY)?</b>																
High Performance T8	1.88	0.00	0.00	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00
T8 fluorescent fixtures (1in. diameter b	4.38	5.56	0.00	4.65	0.00	0.00	11.11	0.00	12.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T10 fluorescent fixtures	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00
T12 Fixtures (1.5in. diameter bulbs)	3.75	5.56	9.09	2.33	8.33	11.11	0.00	0.00	1.20	0.00	0.00	0.00	0.00	3.13	0.00	16.67
HID (High Intensity Discharge) Fixtures-	4.38	5.56	27.27	9.30	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	3.13	0.00	0.00
Compact Fluorescent, Hardware	0.63	0.00	0.00	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incandescent	11.88	16.67	0.00	11.63	33.33	11.11	19.44	100.00	18.07	0.00	25.00	16.67	0.00	6.25	33.33	16.67
Halogen	4.38	0.00	0.00	4.65	0.00	11.11	5.56	0.00	4.82	0.00	0.00	16.67	0.00	3.13	0.00	16.67
Electronic Ballast	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magnetic Ballast	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Fluorescent	8.13	5.56	9.09	9.30	16.67	11.11	0.00	0.00	2.41	0.00	0.00	16.67	20.00	15.63	22.22	0.00
Fat/Thick Tubes	1.88	0.00	0.00	0.00	0.00	0.00	2.78	0.00	1.20	0.00	0.00	16.67	0.00	6.25	0.00	16.67
NEW Equipment-didn't replace anything,	26.25	22.22	18.18	20.93	16.67	22.22	33.33	0.00	33.73	50.00	25.00	16.67	60.00	34.38	33.33	0.00
Other -Record	18.13	22.22	9.09	13.95	8.33	11.11	16.67	0.00	16.87	50.00	37.50	0.00	0.00	15.63	0.00	33.33
REFUSED	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DON'T KNOW	11.88	16.67	27.27	13.95	8.33	22.22	11.11	0.00	9.64	0.00	12.50	16.67	0.00	6.25	11.11	0.00
n	160	18	11	43	12	9	36	1	83	2	8	6	5	32	9	6
<b>&lt;LI26_77&gt; Approximately how old were the lights that were removed/replaced by the lighting equipment we just discussed? (Other (PLEASE SPECIFY))</b>																
Less than 5 years old	23.00	18.18	11.11	25.81	25.00	14.29	35.29	0.00	25.00	0.00	25.00	25.00	0.00	21.05	33.33	20.00
Between 5 and 10 years old	25.00	18.18	22.22	9.68	37.50	28.57	17.65	0.00	30.00	0.00	25.00	25.00	50.00	31.58	33.33	20.00
Between 10 and 15 years old	16.00	9.09	33.33	9.68	0.00	0.00	11.76	0.00	10.00	0.00	25.00	0.00	0.00	15.79	0.00	20.00
More than 15 years old	25.00	18.18	33.33	35.48	12.50	14.29	23.53	0.00	22.50	100.00	25.00	25.00	50.00	26.32	0.00	40.00
DON'T KNOW	11.00	36.36	0.00	19.35	25.00	42.86	11.76	0.00	12.50	0.00	0.00	25.00	0.00	5.26	33.33	0.00
n	100	11	9	31	8	7	17	-	40	1	4	4	2	19	3	5
<b>&lt;LI30&gt; Considering all of the lighting changes we just discussed, both with the program and outside of the program, approximately what percentage of the facility's lighting was affected by those changes?</b>																
0 percent	0.98	1.60	0.00	0.55	1.11	0.00	2.04	0.00	1.26	0.00	1.53	0.57	0.00	0.50	0.00	0.00
1 to 25 percent	9.68	9.62	15.25	12.11	22.65	13.07	4.71	6.56	4.82	11.76	6.63	8.52	9.24	6.73	7.75	8.41
25 to 50 percent	9.40	13.14	9.75	9.35	11.05	12.50	7.25	8.20	6.86	5.88	9.18	11.93	8.40	8.58	14.02	11.22
50 to 75 percent	9.34	11.54	12.71	10.18	8.84	17.61	7.63	21.31	7.47	11.76	6.12	6.25	11.77	7.82	7.75	8.41
75 to 100 percent	67.44	62.82	57.63	66.44	55.25	53.98	74.43	62.30	75.86	61.76	71.94	69.32	70.59	74.01	69.00	68.22
Don't know	3.16	1.28	4.66	1.38	1.11	2.84	3.94	1.64	3.73	8.82	4.59	3.41	0.00	2.35	1.48	3.74
n	3,160	312	236	727	181	176	786	61	1,661	34	196	176	119	1,189	271	107

	ALL (%)	PGE CFL (%)	PGE HIBAY (%)	PGE LINEAR (%)	PGE LT CONTROLS (%)	PGE OTHER (%)	SCE CFL (%)	SCE HIBAY (%)	SCE LINEAR (%)	SCE LT CONTROLS (%)	SCE OTHER (%)	SDGE CFL (%)	SDGE HIBAY (%)	SDGE LINEAR (%)	SDGE LT CONTROLS (%)	SDGE OTHER (%)
<b>&lt;OCC1&gt;Do you have occupancy sensors at your facility?</b>																
Yes	17.91	22.10	25.97	30.19	20.00	35.46	9.67	38.46	11.15	0.00	13.54	20.41	24.14	15.96	50.00	29.89
No	80.57	77.17	71.43	69.07	80.00	63.83	88.74	61.54	87.37	0.00	82.81	76.53	75.86	81.92	50.00	67.82
Refused	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.52	0.00	0.00	0.00	0.00	0.00
Don't know	1.48	0.73	2.60	0.74	0.00	0.71	1.59	0.00	1.42	0.00	3.13	3.06	0.00	2.12	0.00	2.30
n	3,166	276	154	679	5	141	817	52	1,695	-	192	98	58	1,040	2	87
<b>&lt;OCC2&gt;Earlier you mentioned you purchased Occupancy Sensors. What percentage of your lights have occupancy controls on them ?</b>																
0 percent	11.02	13.08	6.11	6.93	5.06	5.75	34.88	0.00	23.38	2.94	4.88	5.71	1.32	14.21	6.84	6.38
1 to 25 percent	45.20	46.73	36.64	53.65	28.65	51.72	43.02	44.83	40.69	17.65	46.34	51.43	25.00	51.12	46.40	38.30
25 to 50 percent	12.15	14.02	11.45	12.77	14.61	16.09	5.81	13.79	11.26	11.76	9.76	9.52	23.68	10.22	10.79	12.77
5 to 75 percent	27.21	21.50	41.22	23.72	47.19	22.99	13.95	41.38	22.51	61.76	36.59	24.76	48.68	18.70	29.50	31.91
Don't know	4.43	4.67	4.58	2.92	4.49	3.45	2.33	0.00	2.17	5.88	2.44	8.57	1.32	5.74	6.48	10.64
n	1,062	107	131	274	178	87	86	29	231	34	41	105	76	401	278	47
<b>&lt;OCC5&gt;Before Occupany Sensors were installed, how many hours were the lights in operation?</b>																
1 to 6 hrs	15.10	17.20	6.50	12.55	11.77	14.46	7.14	13.79	2.83	12.12	2.56	37.37	11.84	27.25	29.23	22.73
6 to 12 hrs	42.56	35.48	45.53	40.39	41.18	34.94	51.79	44.83	43.50	42.42	43.59	29.29	60.53	43.48	47.69	36.36
13 to 18 hrs	11.51	10.75	14.63	16.86	13.53	14.46	7.14	10.34	20.34	27.27	12.82	6.06	17.11	5.22	6.92	4.55
18 to 24 hrs	10.45	8.60	21.95	11.77	17.65	10.84	5.36	20.69	9.61	15.15	17.95	1.01	3.95	3.77	2.31	9.09
Already installed	7.81	5.38	3.25	7.45	1.18	6.02	8.93	3.45	14.69	3.03	10.26	8.08	2.63	7.25	3.08	4.55
Refused	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.58	0.39	0.00
Don't know	12.36	22.58	8.13	10.98	14.71	19.28	19.64	6.90	9.04	0.00	12.82	17.17	3.95	12.46	10.39	22.73
n	947	93	123	255	170	83	56	29	177	33	39	DON'T	76	345	260	44
<b>&lt;OCC6&gt;After controls were installed, how many hours were the lights in operation?</b>																
1 to 6 hrs	43.53	47.73	46.22	42.80	42.26	39.74	37.25	39.29	33.11	37.50	34.29	53.85	36.49	49.38	51.19	38.10
6 to 12 hrs	33.10	18.18	26.89	29.24	27.98	35.90	31.37	46.43	39.74	46.88	45.71	20.88	48.65	31.56	32.54	23.81
12 to 18 hrs	5.61	7.95	11.77	6.78	8.93	3.85	5.88	0.00	10.60	6.25	2.86	1.10	8.11	2.81	2.78	4.76
18 to 24 hrs	1.72	2.27	2.52	2.54	1.19	1.28	0.00	3.57	2.65	0.00	2.86	2.20	0.00	1.25	0.79	7.14
Don't know	16.04	23.86	12.61	18.64	19.64	19.23	25.49	10.71	13.91	9.38	14.29	21.98	6.76	15.00	12.70	26.19
n	873	REFUSED	119	236	168	78	51	28	151	32	35	91	74	320	252	42

# ***Appendix M***

## **Responses to Public Comments**

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Topic: Small Commercial

Document: FinalDraft\_Small\_Com\_Report\_Posted\_121109.zip

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Date	Author	Subject	Section/Page	Attachment
<b>SmComm01</b>				
01/05/2010	Pierre Landry, SCE	General Comments		
	<b>Comment:</b>	<p>The CPUC’s SRA approach is based on an unjustifiable set of operations involving a series of arithmetic operations performed upon ordinal variables. Only one of the 0-10 variables used in the effort to calculate an overall NTGR scores really asks the respondent to respond in a quantitative fashion – the item reflecting the likelihood of purchase absent the rebate. The other variables involved are 0-10 ordinal rankings, in which (a) scores may mean different things to different people, and (b) one unit score differences between different levels may mean different things to the same person. Included in the effort are operations contingent upon auxiliary variables, which diminish any “reliability” enhancements that are provided by summing from 1-4 ordinal variables, each with its own unreliability, sampling error, differential meaning between and within respondents. At one point in the development of this procedure, there were contingent subtractions involving combinations of these ordinal variables. The point is not to denigrate the use of ordinal variables in circumstances like Likert index development, factor analysis, and so forth, where social scientists have long been willing to relax assumptions. The problem here is that despite the lengthy and helpful description of quality assurance and reliability enhancement strategies in the SRA document (an appendix to the Small Commercial Report), and the evidence regarding internal consistency that has been offered in a recent webinar, the approach fails completely when it is interpreted as a measure of free ridership, which when averaged over individuals should estimate the proportion of energy efficiency measure-takings that would have occurred absent the program. This is spelled out in more detail in Sections 2 and 3 of comments and suggestions provided to the ED website in January, 2008 – appendix A to this comment.</p>		
	<b>Response:</b>	<p>SCE provided an attachment to their comments, “Appendix A: Comments on SRA, January, 2008.” Please see document posted to <a href="http://www.energydataweb.com/cpuc">www.energydataweb.com/cpuc</a> titled, “ResponseToJan2008SRAComments.doc”</p> <p>Furthermore, additional responses to SCE’s comments on the NTG approach are provided in the attached document “Res&amp;SmallCommSRA_Response.doc”</p>		
<b>SmComm02</b>				
01/05/2010	Pierre Landry, SCE	General Comments		
	<b>Comment:</b>	<p>Using the sample and subsample information, the total ULP estimates are developed based on factors or ratios specific to utility and ad hoc strata involving the size of the telephone estimate of total retail bulbs – a 3 x 3 matrix with initial telephone estimate strata of &lt;20, 20-50, 50+, and in SCE’s case, the 90 largest reported purchase amounts. These ratios are monotonically increasing with claimed size in one case, monotonically decreasing with claimed size, and non-monotonic in SDG&amp;E’s case. A total of 553 on-sites (from 175, 187, 191 moving southward over utilities) were performed to develop these ratios. The sample bases for these adjustments must have been less than 60 per utility in at least one cell of the adjustment matrix. The concern is that these ratios may have large sampling variances. The fact that they do not behave similarly in terms of patterns across utilities adds to this concern, and it would be very helpful to know these ratios’ standard error, since the resultant estimates were used by KEMA in estimating the residential/non-residential purchase split.</p>		
	<b>Response:</b>	<p>Overall, at a statewide level, the estimated number of nonresidential upstream CFL purchases was estimated with a relative precision of 14% measured at the 90% confidence interval. For SCE, the estimated number of nonresidential upstream CFL purchases was estimated with a relative precision of 28% measured at the 90% confidence interval. The adjustment factors were a key parameter in these estimates and were measured at a similar level of relative precision.</p>		
<b>SmComm03</b>				
01/05/2010	Pierre Landry, SCE	General Comments		
	<b>Comment:</b>	<p>“Finally, note that the overall installation rate is not 76% (as interpreted by KEMA in the</p>		

		ULP evaluation), but rather 85% (ranging from 81% for PG&E to 91% for SCE), based on Table 4-3.”
	<b>Response:</b>	KEMA did interpret the installation rate correctly. Installation rate is defined as the CFLs found to be installed and operable. This is 100% minus the percentage of bulbs placed in storage and burned out. The numbers SCE reports above are 100% minus just the storage rate, which is not how the installation rate has been defined.
<b>SmComm04</b>		
<b>01/04/2010</b>	<b>Athena Besa</b>	<b>General Comments</b>
	<b>Comment:</b>	The relative precision of wattage, operating hours, and unit energy savings (UES) for high bay lighting are very poor, ranging from 14% to 45%. The reason this occurs is a repeated problem found throughout almost all of the Impact Evaluations being reviewed, the forcing of complex results from extremely small samples sizes. Table 3-28 illustrates this problem. For High Bay Lightening, the 90% confidence interval unit energy savings (kWh) is estimated at 45%! The question here is “How can any results be accepted when the confidence intervals are so extremely large and even, in many cases, include the ex-ante estimates”?
	<b>Response:</b>	Relative precisions of 14% to 45% for the UES results for high bay lighting indicate that they are all statistically significant above the 90% confidence level. Even the result with the largest relative precision of 45% in Table 3-28 is statistically significantly different than the ex-ante result. The ex-ante gross savings for high bay lighting is 29.7 GWh and the ex-post gross savings is 16.3 GWh. Based on a 45% relative precision, the upper bound for the ex-post gross savings is only 23.6 GWh, which rejects the 29.7 GWh ex-ante value. To further answer the question “ How can any results be accepted when the confidence intervals are so extremely large and even, in many cases, include the ex-ante estimates” just because a statistically significant result does not reject an ex-ante result does not mean the ex-ante result is more accurate. The results that were obtained were statistically significant above the 90% confidence level, and are considered to be the most accurate and reliable by the evaluation team. Furthermore, the UES values for both energy and demand are statistically significantly different than the ex-ante values.
<b>SmComm05</b>		
<b>01/04/2010</b>	<b>Athena Besa</b>	<b>General Comments</b>
	<b>Comment:</b>	Operating hours and UES estimates are based on only one to two months of logger data and <i>NO</i> adjustments are made for changes in lighting hours over the year. For example, the analysis does not take into account lower daylight hours during winter months or changes in occupancy rates over the year for hotels, etc. This information is critical because the loggers were installed over the period between September 2008 through October 2009 with the majority of loggers installed in the second and third quarters of 2009. Thus, operating hours were measured prior to winter months when the days are shorter and during a time period outside the peak summer travel months when hotels and restaurants tend to see the most activity. This suggests that the logger results could dramatically <i>understate</i> actual usage, particularly for some market segments.
	<b>Response:</b>	Section G.7.1 of Appendix G – Lighting Logger Data Analysis, describes in detail the analysis that was done to extrapolate the 1-2 months of logger data to 8760. As discussed, analysis was conducted to determine if there were any effects on usage due to daylighting, which utilized data collected during the winter. The results indicated that there was no affect of daylighting on usage over the course of the year. Furthermore, adjustments were made based on self reported changes in operating hours over the course of the year. Therefore, if customers reported that their business hours changed, the daily load shapes were adjusted accordingly, as discussed in detail in Appendix G.  We are confused by the conflicting statements that “the majority of loggers [were] installed in the second and third quarters of 2009” and “operating hours were measured ... during a time period outside the peak summer travel months when hotels and restaurants tend to see the most activity”. The summer period (which occurs during the 3 <sup>rd</sup> quarter) is well represented in the logger sample.  Finally, a billing analysis was conducted, which would correct for any dramatic underestimates in usage if that were the case. However, the billing analysis strongly supported the lighting logger results for Express program participants in the Northern part of the state (SCE and PG&E) where daylighting would have the most impact.

SmComm06		
01/04/2010	Athena Besa	General Comments
	<b>Comment:</b>	Second, this evaluation was supposed to cover the 2006-2008 period. However, the loggers were installed during the second and third quarters of 2009, far outside the program timeframe. This could have a substantial impact on the results since the loggers were installed during the height of the economic downturn. Thus, the logger estimates may again substantially underestimate usage for a number and possibly all of market segments.
	<b>Response:</b>	<p>We agree that there is reason to be concerned about the effects of the economy on usage. When considering the concern that 2009 usage may be lower as a result of the economy, you can classify these effects into two broad categories. The first is companies going out of business and the second is that business have reduced their level of operations, either by a reduction in staff, facility space or business hours. The first effect of going out of business would not apply, as we are only studying businesses that are still in operation. One could view this as biasing the results upward, as these participants' equipment may no longer be providing any savings. This is contrary to Sempra's belief that the economy has biased our results downward. As for the second effect of reduced business operations, the lighting logger study did not have a mechanism to correct for this potential effect. However, the billing analysis could again have the opposite effect of overstating impacts based on this issue. The billing analysis correlates the act of installing a measure to changes in usage over time. If the economy were to reduce usage as Sempra suggests, then the billing analysis would show a larger reduction in savings and potentially attribute that to the installed measures. We considered this effect and therefore included in the billing analysis a variable (change in unemployment rates) to capture this effect. The resulting parameter on this variable was statistically significant and indicated a reduction in usage of about 1% as a result of the increase in unemployment. This indicates that the economy may not have had that significant effect on participating businesses, among those that remained in business. The resulting billing analysis also strongly supported the lighting logger results, indicating that the economic effect was minimal.</p> <p>We also compared the linear fluorescent and CFL operating hour results for Express Efficiency participants to the 2004-05 Express Efficiency lighting logger study results to determine if there were any significant changes in operating hours over time. Weighting the data to mimic the 2006-08 population, overall operating hours were very similar, and not statistically significantly different. 2004-05 and 2006-08 results for both linear fluorescents and CFLs were within one percent of each other. Therefore, the logger data do not support the hypothesis that installing the loggers in 2009 has biased operating hour estimates downward.</p>
SmComm07		
01/04/2010	Athena Besa	General Comments
	<b>Comment:</b>	Third, and as stated earlier, disaggregated estimates of hours of use by IOU and by market segment/activity are based on very small samples, particularly for the number of <i>sites</i> sampled. This undermines the validity of the logger results and adds substantial imprecision to the estimates. For example, for downstream CFLs in the lodging market sector, a total of only three sites were logged for SDG&E.
	<b>Response:</b>	<p>Although the analysis was conducted at the segment level, it is the population level results that should be of interest. The analysis could have been performed at the population level, rather than using a stratified sampling approach. Or fewer segments could have been developed, increasing the sample size for each analysis segment. However, stratified sampling generally results in more accurate population level results, as was the case for this study. Although a segment level result may not be statistically significant, the overall population level is. The overall precision level for the kW and kWh UES estimates for downstream CFLs was +/- 33% measured at the 90% confidence level, which is a statistically significant result.</p> <p>It is important to point out that the first phase of lighting logger analysis was done at the statewide level by market segment and space type. This resulted in larger samples sizes to produce more reliable and accurate profiles at the market segment and space type level. These load shapes were then aggregated to program-specific estimate at the market segment level. The aggregation was done by taking all the onsite data collected for a specific program-market segment and determining the distribution of how measures were installed</p>

		across space type for that market segment. The sample size used to determine these distributions were generally larger than the monitored sample which helped improve the overall accuracy of the results. Therefore, the underlying load shapes are based on larger statewide samples that are made to be program specific by using program-specific distributions of where measures are installed. For example, the downstream CFL result for lodging was actually based on 26 sites (and 266 loggers), but the distribution across the 9 lodging space types was based on the on-sites conducted on lodging sites within SDG&E.
<b>SmComm08</b>		
<b>01/04/2010</b>	<b>Athena Besa</b>	<b>General Comments</b>
	<b>Comment:</b>	No billing analysis was conducted for SDG&E to verify logger estimates for realization rates and UES. The reason given for this is (again) because of the small sample sizes. The billing analysis produced much more favorable results for PG&E and SCE but SDG&E was not allowed to benefit from this analysis because no results were produced.
	<b>Response:</b>	<p>Actually, billing analysis was conducted for SDG&amp;E. A total of 778 customers were surveyed that had adequate billing data that could be used in a billing analysis. However, the large majority of these customers participated (735) in what we classified as a direct installation type program, as opposed to only 43 in the Express Efficiency Program. For SDG&amp;E we classified program ID SDGE3012 as Express and SDGE3020 as direct installation. For multiple reasons, as discussed in Appendix H, separate billing analysis models were conducted for Express versus direct installation participants. Because there was significantly more participation in SDGE3020 than SDGE3012 (in fact there were only 281 sites participating in SDGE3012 versus over 11,000 in SDG3020), the sample size for SDGE3012 was significantly less and not sufficient to run a billing analysis. However, the sample size of 725 was more than sufficient to run a model on SDGE3020 participants. The resulting realization rate based on this model was only 15%, and was statistically significant. However, as discussed in detail in Appendix H, the evaluation team decided not to utilize the results from the direct installation billing analysis. One of the primary reasons was due to concerns over the billing data that Semptra provided, and the difficulty in matching the account level bills to the site level participant.</p> <p>We also disagree, with the statement that “The billing analysis produced much more favorable results for PG&amp;E and SCE but SDG&amp;E was not allowed to benefit from this analysis because no results were produced.” Results from PG&amp;E and SCE strongly supported the lighting logger results, as their billing analysis realization rates for the express model were close to one. Therefore, the results of the billing analysis were to accept the ex post gross results that were developed by the lighting logger analysis (essentially using a 100% realization rate). This finding was applied to SDG&amp;E as well.</p>
<b>SmComm09</b>		
<b>01/04/2010</b>	<b>Athena Besa</b>	<b>General Comments</b>
	<b>Comment:</b>	One area of improvement in this report over the other Impact evaluations was in the area of Net to Gross Ratios (NTGR). The estimated NTGR values for SDG&E are uniformly high for the HIMs. Specifically, the NTGRs for interior screw lighting, high bay fluorescent lights and linear fluorescents are 0.87, 0.90, and 0.87, respectively. This finding is in marked contrast to the findings in other evaluation studies (e.g., major commercial, upstream lighting, and residential retrofit) and is likely the result of better implementation of the SRA. These other studies were beset with numerous problems (e.g., small sample sizes, inability to identify the appropriate decision-maker, lack of internal controls, lack of secondary sources of information, etc.). These issues seem to be largely overcome in this study, especially as they pertain to SDG&E.
	<b>Response:</b>	It is important to note that one reason why the NTGRs may be high for the HIMs evaluated in this report is because a significant portion of the savings associated with these HIMs was delivered to small businesses through a direct install program. Direct install programs targeting small, hard-to-reach customers have shown to exhibit relatively higher NTGRs than prescriptive rebate programs, which tend to attract larger customers. Therefore, this should be considered when comparing the NTGRs from this evaluation to those reported by other evaluations.
<b>SmComm10</b>		
<b>01/04/2010</b>	<b>Athena Besa</b>	<b>General Comments</b>
	<b>Comment:</b>	<b>Billing Model Concerns :</b>



		<p>The results for the direct install programs are likely highly unreliable. As the evaluators note, the site billing data aggregation process may have been incomplete for direct install sites adding substantial measurement error to the analysis and substantially reducing the reliability of the results.</p>
	<b>Response:</b>	<p>Perhaps our most significant concern with utilizing the direct install billing analysis model results is with the difficulty in aggregating account level billing data to the site level, particularly with the Sempra billing data. Historical monthly billing data was sent in a file separate from the CIS account information by Sempra. The billing and CIS data that we received from Sempra matched for only 71% of the data – meaning that we could match the CIS data to only 71% of the billing data records. Therefore, for 29% of the billing data records there was no corresponding CIS data. Without the CIS data it is impossible to know if we have accurately merged on all of the account billing data to a participant tracking record, as there are often multiple accounts associated with a participant site. The tracking data provide only a single account, and no indication if there are multiple accounts being affected by a given measure installation at a site. In the future, this problem can be reduced if the CIS and the billing data match. In addition, the problem can be eliminated if the utilities were to provide data on all of the accounts/meters affected by the energy efficiency equipment that was rebated.</p>
<b>SmComm11</b>		
<b>01/04/2010</b>	<b>Athena Besa</b>	<b>General Comments</b>
	<b>Comment:</b>	<p><b>Billing Model Concerns :</b>  A large number of observations for sites with savings in excess of 40% of lagged usage were deleted from the analysis for various reasons. Specifically, the evaluators deleted observations with “excessive savings” but did nothing to observations with very low savings. Thus, the evaluators in essence performed one-sided trimming. This could substantially bias the estimated savings downwards. Sensitivity analysis to this trimming needs to be conducted and reported.</p>
	<b>Response:</b>	<p>We disagree with this statement. If there was a bias, it would have biased the results upward. We removed sites whose energy savings estimates were high relative to their usage. Essentially, the resulting realization rate is equal to the savings identified in the bills (change in usage) divided by the energy savings estimate. If the savings estimate is high relative to usage, it is also likely to be high relative to a change in usage. Therefore, those sites are likely to have lower realization rates, rather than high ones. They were removed because we felt that we may be missing some of the bills in the aggregation process. Those potentially missing bills would likely have increased the savings seen in the bills and resulted in a higher realization rate.</p> <p>Billing analysis models were implemented that included these customers. Including these customers had the effect of reducing the overall realization rates, consistent with our expectations discussed above.</p> <p>It is important to note that customers were not removed simply because their savings were in excess of 40% of lagged usage. The concern was that bills were not properly aggregated up to the site level. Customers whose savings are high relative to their usage are more likely to have accounts missing during the aggregation process. These customers were then analyzed to see if their energy intensities (their aggregated site level annual kWh per square foot as reported in the telephone survey) were relatively low. If a customer had both high savings relative to their usage, and relatively low energy intensity, then the customer was removed from the analysis because they were believed to have missing account level billing data during the aggregation process. Customers whose savings are low relative to their usage are less likely to have accounts missing during the aggregation process, which is why they sites were not considered as part of this data censoring activity.</p>

SmComm12		
01/04/2010	Athena Besa	General Comments
	<b>Comment:</b>	<p><b>Billing Model Concerns :</b></p> <p>The model specifications do not appear to control for month or year fixed effects. Given the timing of the analysis, overall yearly trends in energy usage could be important. Specifically, the billing data used in the analysis covers the time period between early to mid-2004 to June of 2009. Much of the post installation period is likely to be during the later part of that time frame which includes the economic downturn. While the evaluators attempt to control for “macro” events that might influence usage by including a variable measuring changes in the county unemployment rate, such a variable is unlikely to fully control for time specific changes in usage. This is likely to bias the estimated savings downwards.</p>
	<b>Response:</b>	<p>It is unclear as to why Sempra feels this would bias the estimated savings downwards. In fact, if there were to be a bias, we would have expected it to bias the estimated savings upwards. Our rationale is that the economic downturn would have the affect of customers reducing their usage (either through reductions in business hours, staff, facility square footage, or more efforts to conserve energy to save on their bill). The billing analysis model essentially looks at changes in usage and attributes them to various factors, including participating in the program. Therefore it is likely that if there were reductions in post-period usage as a result of the economy, that the model would see larger changes in usage than expected. And if the model did not properly account for these reductions, then some of this reduction would be attributed as “savings” due to participating in the program.</p> <p>Consider if there were absolutely no changes that occurred, except for the program. By this we mean no changes to the facility, no changes in weather, and no other micro or macro level changes. Then the savings attributable to the program would be equal to the change in usage. Now assume there is also an economic downturn, but you are not accounting for this in the model. The change in usage would increase due to the economy. Therefore, the savings estimated by the model would increase, which would result in a larger realization rate. So, if the model was not properly accounting for all of the factors of economic downturn, it is likely that the model would bias the estimated savings upwards.</p>
SmComm13		
01/04/2010	Athena Besa	General Comments
	<b>Comment:</b>	<p><b>Billing Model Concerns :</b></p> <p>The evaluators use engineering estimates of savings in their billing analysis. It appears that these engineering estimates were obtained from the logger analysis. Specifically, the evaluators note that, “the engineering ex post energy savings for the linear lighting measures and CFLs, adjusted for the on-site verification rates, are the savings impacts used in the billing analysis.” As noted above, there are a number of substantial problems with the logger analysis including very small samples for some market segments. As a result, the engineering estimates most likely suffer from substantial measurement error. This in turn will tend to attenuate the estimated savings toward zero (i.e. produce lower savings estimates that actually occur).</p>
	<b>Response:</b>	<p>As mentioned in an earlier response, the market segment level results are based on larger statewide samples that are made to be program specific by using program-specific distributions of where measures are installed. Therefore, we do not agree that there is a substantial measurement error for the key market segment results.</p> <p>We are unsure what Sempra means by “This in turn will tend to attenuate the estimated savings toward zero (i.e. produce lower savings estimates that actually occur)”. We assume that Sempra means that using engineering estimates with substantial measurement error in the model cause a bias in the realization rates that have a downward bias towards zero. But Sempra provides no foundation for this claim.</p> <p>Preliminary models were analyzed for PG&amp;E prior to the completion of the logger analysis. This early analysis used the utility ex ante values. The realization rates for these models were substantially less than the realization rate for the model presented in the report. The realization rates were lower for the early models that used the utility ex ante values. It is likely that the use of utility ex-ante values lead to lower realization rate for two reasons. First, the lighting logger study updates the ex ante values to be more representative of actual</p>

		usage by light type and segment. If there is an issue with measurement error and downward bias, it is very likely that the ex ante utility values suffer from more systematic measurement error than the savings estimates from the lighting logger study. This is further supported by the 100% realization rate found in the prescriptive models. Second, the models with utility ex ante values led to lower realization rates than the logger adjusted values because the logger adjustments tended to reduce the utility ex-ante values.
<b>SmComm14</b>		
<b>01/04/2010</b>	<b>Athena Besa</b>	<b>General Comments</b>
	<b>Comment:</b>	Conclusion: The concerns and questions raised above put considerable doubt on the accuracy and reliability of the results estimated in the draft report. If these concerns cannot be addressed by the final report, in particular the small sample sizes used to estimate the impacts to SDG&E and biased results of the lighting logger study, then the joint utilities recommend that this study <i>not</i> be accepted as reliable or used for updating DEER or used to measure utility performance in the ERT and VRT process.
	<b>Response:</b>	As discussed above, we strongly disagree that the results of this study are unreliable and biased. All of the results are statistically significant at confidence levels greater than 90%, and the key results are also statistically significantly different than the ex ante results. Lighting logger results were based on a statewide sample of logger data that was aggregated to represent program specific populations. These sample sizes are three times or more larger than are implied by Sempra's comments. There is no basis to believe there is sufficient bias in our results that would render them unreliable. In fact, if there was any bias in our results, it is more likely that the results are overstated than understated (for example, not including businesses in our sample that have ceased operation and are no longer providing energy savings). A comment that is not made by Sempra, but is highlighted in the report as a recommendation is that the energy savings for linear fluorescent and high bay lighting measures are likely overstated because a dual baseline approach was not used. (The majority of linear fluorescents rebated through the programs are early replacement, rather than a replacement on burnout. Therefore, future evaluations should consider a dual baseline for this measure, where the existing equipment is treated as the baseline for the remaining useful life of the replaced equipment. For years beyond the remaining useful life, through the measure's effective useful life, the baseline would be set equal to minimum code requirements). In conclusion, we believe these results to be the most accurate and reliable estimates of savings available for the measures and programs covered by this evaluation.
<b>SmComm15</b>		
<b>01/05/2010</b>	<b>Reuben Deumling</b>	<b>General Comments</b>
	<b>Comment:</b>	The Small Commercial EM&V report evaluates five key measures, all of which focus on lighting.
	<b>Response:</b>	It is important to note that this was NOT an evaluation of the small commercial programs. This was an evaluation of lighting technology high impact measures (HIMs). However this report also included an evaluation of non-HIMs that were from the small commercial set of programs, as these measures were not covered by any of the HIM specific evaluations.
<b>SmComm16</b>		
<b>01/05/2010</b>	<b>Reuben Deumling</b>	<b>General Comments</b>
	<b>Comment:</b>	The Small Commercial EM&V Draft Report, while providing a great deal of information about the program does not report all the data necessary for evaluating total program savings and total portfolio impact. TURN Table 1 provides all of the data we were able to find from the Draft Report and the webinar slides on program savings and total portfolio impact. While most of the measure level realization rates are in the report, it is not possible to determine the relative impact of measure level realization rates to the Small Commercial Program total. The shaded cells in Table 1 indicate the additional data needed to complete such a comparison. TURN assumes that this data exists, and requests that the data be included in this table, or provided in a similarly accessible format in the Final Draft.
	<b>Response:</b>	The data requested by TURN can be classified in two parts. First, the gross realization rates for occupancy sensors and non-HIM measures are not reported because no ex-post gross analysis was done for these measures. Second, the program and portfolio level results are not presented because, as mentioned, this was a cross-cutting measure-specific evaluation for a number of measures, and not a program level evaluation. It is our expectation that these results will be provided in the Final ED report in April 15, 2010.

SmComm17			
01/05/2010	Reuben Deumling	General Comments	
	<b>Comment:</b>	<p>The program results are found in several tables, but no systematic attempt is made in the draft report to discuss overall performance, or to recognize and discuss the failures of the programs under review.</p> <p>And</p> <p>In their discussion of energy savings the authors of this draft report were disinclined to indict a measure or program which their analysis revealed to have performed miserably.</p>	
	<b>Response:</b>	<p>As mentioned, this report was not a program evaluation, and did not include any cost-effectiveness analysis. It is our expectation that these results will be provided in the Final ED report in April 15, 2010.</p>	
SmComm18			
01/05/2010	Reuben Deumling	General Comments	
	<b>Comment:</b>	<p>It is unclear from the report what fraction of the Small Commercial category these represent, or even which of the 'Other' measures were so successful</p>	
	<b>Response:</b>	<p>The non-HIM savings represent a very small portion of the overall IOU portfolio savings (each measure is less than 1% of the IOU portfolio savings). Sample sizes were not allocated to these measures to support measure-specific results, and were therefore grouped into a single non-HIM category for reporting purposes.</p>	
SmComm19			
01/04/2010	PG&E Company	Realization Rates	General
	<b>Question:</b>	<p>It is agreed that the estimated realization rates bases on billing analysis performed in the Study should be further analyzed. In the 2006-2008 program, information was not collected on all the meters impacted by the measures being installed. Should billing analysis be implemented as the overriding method of estimating realization rates? We suggest that for future impact evaluation, more accurate meter data be collected and utilized.</p>	
	<b>Answer:</b>	<p>We are encouraged to hear PG&amp;E's suggestion that for future impact evaluations, more accurate meter data be collected and utilized. The utilities should work to provide the evaluators with all meters/accounts that are impacted by the energy efficiency retrofit. During the 2006-2008 evaluation, Itron submitted multiple requests for billing data. While some of the requests were fulfilled correctly in a timely fashion, this was not the always the case. In addition the data received often had meters/accounts that would appear or disappear over a given period. This made site aggregation uncertain and likely to included error. A considerable amount of time and resources was dedicated to site aggregation. The process could be made less time consuming and more accurate if the utilities provided a more complete list of meter/accounts impacted by the retrofits and if more care was taken to provide accurate billing data. This was one of our key recommendations in our report.</p> <p>The implementation of billing analysis also requires an accurate installation date. For the 2006-2008 evaluation, only SCE provided an installation date. Note, SDG&amp;E labeled a variable the installation date, but when questioned about 2009 installation dates, it was clarified that the variable label installation was actually the verification date. Errors in the timing of the installation can significantly impact the realization rate. In the future, the utilities should mandate that the installation date be accurately recorded and that this data is included in the tracking data. This was one another of our key recommendations in our report.</p> <p>In response to PG&amp;E's question, we cannot say that billing analysis should always be the overriding method of estimating realization rates. One must consider the context and circumstances surrounding the implementation of the model and thoroughly examine the results before deciding on whether to apply the results, much less even attempt a model. For example, do the measures provide enough savings that can be accurately detected in a model? Is the participant population large enough to provide a sufficient sample? Is the population of participants relatively homogenous? Then of course there are questions about the quality and reliability of the data going into the model. There are also macro level issues that need to be considered, such as how dramatic weather may have changed over time. Or consider the energy crisis we had years ago, which had a significant effect on customer's</p>	

		usage. The economic downturn that we have recently witnessed also created challenges in the billing analyses run for this evaluation, which we attempted to control for. So, there are many issues and considerations that must be addressed when deciding to use billing analysis as an evaluation tool.
<b>SmComm20</b>		
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Baseline Assumption</b>   <b>General</b>
	<b>Comment:</b>	It is agreed that the majority of the linear fluorescents installed by our program are early replacements, rather than a replacement on burnout. However, we would recommend revisiting the establishment of a baseline set equal to minimum code requirements for the remaining useful life of this measure, as the adoption of code requirements in a retrofit situation is not always a realistic scenario for this market segment. In addition PG&E recommends including the utilities in future discussions regarding dual baselines for linear fluorescents.
	<b>Response:</b>	We agree with PG&E's comment.
<b>SmComm21</b>		
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>   <b>General</b>
	<b>Question:</b>	PG&E agrees with the evaluation finding that, overall, free ridership effects are low for PG&E's direct installation program, which targets the hard-to-reach business customer and therefore, our current NTG ratios are accurate. PG&E recommends including utility input and participation in any future decisions that may impact NTG ratios for direct install programs.
	<b>Answer:</b>	We agree with PG&E's comment.
<b>SmComm22</b>		
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>   <b>General</b>
	<b>Question:</b>	NTG values are quite different across IOUs, yet the programs reach out to similar customers in similar ways. Can you explain?
	<b>Answer:</b>	<p>PG&amp;E has a number of questions that are all asking a similar question regarding the variation of NTG values across similar programs. We respond to that battery of questions below.</p> <p>The overall objective of this evaluation was to develop net and gross impacts at the IOU level for a variety of HIMs. Because programs exhibit different program delivery mechanisms (e.g., Express Efficiency versus direct installation), it would be expected that NTGRs would vary by program. Therefore, the evaluation presented program-level NTG results. However, some of the program-level sample sizes were small relative to others.</p> <p>One primary reason for differences in NTG values across IOUs for programs, even those with similar delivery mechanisms, is that the programs either targeted or attracted different types of customers with respect to market segment and perhaps customer size. For example, the lodging segment for CFLs exhibited relatively low NTGRs. Therefore, a program that attracted a high proportion of lodging participants would likely have a lower NTGR than a similar program that did not attract lodging participants.</p> <p>Some of these programs contributed less overall program savings and/or had fewer participants than other programs. Because the overall objective for this study was to develop portfolio level results, these programs were likely to have had smaller sample sizes.</p> <p>Upon closer examination of the program specific NTGRs at the market segment level, we identified some market segments that were not represented in the NTG samples. In particular, program PGE2017 had a significantly lower NTGR than other similar direct installation programs. Only 16 participants were interviewed for this program, which covered only 2 market segments. Although these were two of the largest contributing market segments, they represented a portion of all of the installations for that program.</p> <p>The samples that were initially developed for each program were drawn randomly, and in many cases were a census. Therefore, the analysis was initially performed as a simple random sampling, without any stratification. However, in the cases like PGE2017, the</p>

sample of respondents did not represent the population as you would expect from a random sample.

To overcome these issues, two changes were made to the way in which the NTG samples were analyzed. First, all the four PG&E direct install programs (PGE2016, 2017, 2021 and 2054) were grouped together. As PG&E states, these are similar program designs. So, we would expect that there would be more variation across market segment than across program. For example, we would expect that within a given market segment, that the NTGRs should be very similar. If each program attracted a similar mix of customers (i.e., had the same distribution of participation across market segment), then the program level NTGRs would also be very similar. Therefore, differences in program-specific NTGRs for these direct install programs would be explained by differences in the participation distribution across market segment.

NTGRs were then developed by program and market segment (treating the four PG&E direct install programs as a single program). For all but the four PG&E direct install programs, the market segment level NTGRs could then be combined into a single program level NTGR by weighting the individual market segment NTGRs by the ex-post gross savings associated with each market segment. By doing this, if a market segment was under or over represented in the random sample, the weighting would account for this. Similarly, for the four PG&E direct install programs, the average market segment results for these four programs were weighted across market segment using the program-specific distributions of ex-post gross savings.

It is important to note that the weights that are used here are the ex-post gross savings values. The initial NTGRs that are presented in the draft report mistakenly used ex-ante gross savings values. Ex-post results, not ex-ante, should have been used. To better understand this, consider the following example. Assume there were only two participants, both of which had an ex-ante savings of 100 kWh. The first participant had an ex-post gross savings value that was also 100kWh, but the second participant had an ex-post gross savings of only 50 kWh. Furthermore, the first participant had an NTGR of 1.0, but the second participant had an NTGR of only 0.5. Therefore, the first participant has an ex-post net savings of 100 kWh, but the second participant has an ex-post net savings of only 25 kWh (50 kWh times 0.5). The total ex-post net savings for these two customers is 125 kWh, the total ex-post gross savings is 150 kWh. Therefore, the NTGR for these two customers is 0.83 (or 125/150). This value can be replicated by weighting the individual NTGRs by the ex post gross savings values. The first participant has a weight of 67% (100 kWh out of 150 kWh combined) and the second participant has a weight of 33% (50 kWh out of 150 kWh). Therefore, the weighted average NTGR is again 0.83 ( $= 0.67*1.0 + 0.33*0.5$ ). However, if you were to use the ex ante gross savings you would give both customers equal weight (both had ex ante gross savings of 100 kWh); and you would get an underestimated NTGR of 0.75 ( $= 0.5*1.0 + 0.5*0.5$ ). The reason this is underestimated is that you are giving too much weight to the participant that has a lower NTGR. In this case, there is a correlation between a lower NTGR and a lower gross realization rate on the savings (the second participants gross realization rate is 50%, as only 50 of the 100 kWh were realized).

This is a relevant example for CFLs because the lodging segment is one that had both low NTGRs and low gross realization rates. Using ex ante savings as the weight, over-weighted the lodging segments low NTGR. Using ex post savings gives the lodging segment less weight, and results in higher (and correct) NTGRs.

Making these changes in methodology and applying the correct weights had the following effects on the final NTGRs.

For interior screw lighting, at the IOU level PG&E's NTGR increased from 49% to 59%, SCE's increased from 45% to 61% and SDG&E's increased from 84% to 85%. SDG&E's increased the least because the lodging segment had a much higher NTGR in SDG&E territory, so the re-weighting had a minimal effect.

For linear fluorescent and high bay lighting, the changes were less significant because lodging was a small contributor for these measures. For linear fluorescent lighting PG&E's NTGR increased from 71% to 73%, SCE decreased from 81% to 79%, and SDG&E stayed

at 87%. For high bay lighting PG&E's NTGR increased from 65% to 68%, SCE increased from 63% to 78%, and SDG&E increased from 90% to 95%.

Overall, across these measures at the IOU level, net savings increased as a result of these changes. PG&E's GWh savings increased from 84 GWh to 90 GWh, SCE increased from 196 GWh to 199 GWh, and SDG&E increased from 76 GWh to 77 GWh.

Although this methodology has resulted in more consistent NTGRs there is still some variation in results. PG&E's four direct installation programs (PGE2016, PGE2017, PGE2021, and PGE2054) have NTGRs for CFLs that range from 66% to 73% (weighted by kWh, compared to what used to be a range of 22% to 77%). This variation is attributable to differences in participation distributions across market segment, as the market segment results are the same for these programs, as discussed above. These results are in line with SCE's and SDG&E's direct installation programs: SCE2511 has a NTGR of 81% and SDGE3012 is 87%. For linear fluorescents, the NTGRs were very consistent across all of the IOUs direct installation programs, which ranged from 87% to 92%.

The Express Efficiency programs also exhibited some variation across IOU. For CFLs, the NTGRs were similar for PG&E and SCE (55% for PGE2080, and 48% for SCE2511), but higher for SDG&E (82% for SDGE3012). SDGE3012 exhibited high NTGRs across all market segments. This finding was consistent for SDG&E in general, with all the program-specific NTGRs for all three measures being between 82% and 99%. For linear fluorescents, the three Express programs' NTGRs were more consistent, ranging from 64% to 74% (again with SDG&E the highest). Finally, for high bay fluorescents, PG&E and SCE were the same at 68%, and SDG&E was much higher again at 90%.

**SmComm23**

01/04/2010	PG&E Company	Gross Realization	General
	<b>Question:</b>	Gross Realization rates also hugely varied. Are we correct in our assumption that the differences are due to each IOU using different ex-ante values?	
	<b>Answer:</b>	<p>Gross realization rates do vary as a result of different ex-ante assumptions across the IOUs and programs. However, a major reason for these differences is similar to what was discussed for the differences in NTGR across programs; certain programs tend to either attract or target certain market segments. For example, the lodging segment resulted in low realization rates, primarily due to the low observed operating hours. Therefore, programs that had a higher penetration of participation within this segment would exhibit relatively lower gross realization rates.</p> <p>For downstream interior screw lighting, the following are the primary reasons why SDG&amp;E has a lower gross realization rate than PG&amp;E and SCE as follows:</p> <ul style="list-style-type: none"> <li>- More CFLs were installed through direct install programs in SDG&amp;E, which tend to attract smaller customers and have lower operating hours relative to ex ante assumptions – 60% for SDG&amp;E and approximately 50% for PG&amp;E and SCE.</li> <li>- More CFLs were installed in lodging in SDG&amp;E, 44% for SDG&amp;E, 31% for PG&amp;E and 25% for SCE. Lodging had the lowest annual operating hours.</li> <li>- Both PG&amp;E and SCE had a significant number of CFLs installed in large lighting displays in large single story retail, but not in SDG&amp;E, which had operating hours of over 5,000 per year (about 17% of PG&amp;E's CFLs and 20% of SCE's CFLs)</li> </ul> <p>Also, the slightly higher gross realization rates for SCE relative to PG&amp;E are in part due to the lower relative participation in lodging and higher participation in large single story retail.</p> <p>For linear fluorescent lighting, the following are the primary reasons why SDG&amp;E has a lower gross realization rate than PG&amp;E and SCE:</p> <ul style="list-style-type: none"> <li>- More fixtures were installed through direct install programs in SDG&amp;E, which tend to attract smaller customers and have lower operating hours relative to ex-ante: 88% for SDG&amp;E, 26% for PG&amp;E and 47% SCE.</li> <li>- 51% of the fixtures installed in SDG&amp;E were in market segments with less than 2,300 ex post annual operating hours, compared to only 16% for PG&amp;E and 20% for SCE. These are segments that are more likely to have lower operating hours relative to ex ante assumptions.</li> </ul>	

		<p>Also, the slightly higher gross realization rates for PG&amp;E relative to SCE are in part explained by these findings (less participation in direct install programs and in segments with less than 2,300 annual operating hours).</p> <p>For high bay fluorescent lighting, the primary reason why SDG&amp;E has a lower gross realization rate than PG&amp;E and SCE is because SDG&amp;E had significantly higher ex-ante operating hours than PG&amp;E and SCE (which both used the same ex-ante assumptions). SCE's realization rate is higher than PG&amp;E's because the ex-post delta watts were found to be higher for SCE.</p>	
<b>SmComm24</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Installation Rates</b>	<b>General</b>
	<b>Question:</b>	Install rates for interior screw lighting seem similar to those for CFLs in residential - are commercial hoarding these in the closet? How many ultimately get installed? Shouldn't these savings eventually be credited say in 2010? Also, shouldn't they be subtracted from the baseline assessment done for 2010?	
	<b>Answer:</b>	Previous statewide evaluations of the 2002-2005 Express Efficiency programs have included interviews with lighting vendors that indicated that vendors routinely leave behind extra CFLs, most likely to replace future burnouts. It is likely the upstream participants are also purchasing additional CFLs for future use. Our evaluation did not examine how stored bulbs are used in the future. For this evaluation, only bulbs that are installed and operable at the time of our on-site visit are credited with energy savings. How savings are credited in the future for stored bulbs and how they should be addressed in any future baseline assessment is outside the scope of this evaluation.	
<b>SmComm25</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>	<b>General</b>
	<b>Question:</b>	Can you please explain the possible sources of variation of NTGs (for example, CFLs range from 22% to 77%) calculated for the partnership programs (PGE 2016, PGE 2017, PGE2021, and PGE 2054)? These programs are operated in a very consistent fashion and deal with small and mid-sized non-residential customers. These customers are not appreciably different in their business practices and attitudes across the service territory.	
	<b>Answer:</b>	Please see response to similar question above (SmComm22) regarding variation in NTGRs.	
<b>SmComm26</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>	<b>General</b>
	<b>Question:</b>	Can you please provide a justification for using a single set of net-to-gross ratios (NTGRs) for the entire three-year program evaluation cycle? As with Gross Realization Rate (GRR), the NTGR should seek to interpolate between 2005 and 2009 values to develop a weighted average NTGR for the 2006, 07, and 08 years. The small commercial program was successful at continuing the market evolution and it is quite likely that the amount of Free-Ridership was lower earlier in the program cycle.	
	<b>Answer:</b>	<p>The samples used to develop the NTGRs were representative of all three program years. Thus, a weighted average NTGR should not be statistically significantly different than the result reported.</p> <p>To further examine this issue, NTGRs were estimated by year, and a weighted average NTGR was also developed. There was not a discernable pattern in the NTGRs, where they were always decreasing as suggested by PG&amp;E.</p> <p>In the case of CFLs, overall at the statewide level, the NTGR did decrease from 2006 to 2008. However, for high bay lighting, the NTGRs increased between 2006 and 2008. For linear fluorescents, the NTGR decreased between 2006 and 2007, but then increased from 2007 to 2008. Clearly, there was not a consistent pattern of decreasing NTGRs.</p> <p>Estimating the NTGRs by year, and then weighting across the three years provided nearly identical results to those reported. For linear fluorescent and high bay lighting the results differed by only 0.1%, and for CFLs the results differed by only 0.3%.</p>	
<b>SmComm27</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Detailed Findings</b>	<b>1/1-2</b>
	<b>Question:</b>	The report states that occupancy sensors were excluded from the gross energy savings	



		analysis either because results were not statistically significant or because data collection efforts were unsuccessful. Please provide detail on the number of respondents who were attempted to be contacted, the survey modality, the response rate, and the reasons why data collection proved ineffective.
	<b>Answer:</b>	<p>There were two potential gross impact evaluation approaches considered for occupancy sensors. The first was a lighting logger analysis. However, because the measure savings is due to customers changing their usage, and not due to a change in wattage of equipment, it is necessary to analyze pre and post-installation logger data. Therefore, as documented in our evaluation plan, we planned to utilize from our pre-post logger study any participants that had also installed occupancy sensors along with the lighting retrofit. Unfortunately only 6 participants installed occupancy sensors in this sample, which was not sufficient to support an analysis. There was no attempt made specifically to recruit occupancy sensor participants for this study, so there are no data collection dispositions that can be provided.</p> <p>The second approach considered was for kWh only, and consisted of conducting a billing analysis. As stated in the report, we did attempt to include occupancy sensors in the billing analysis. In the final billing analysis there were 57 participants included in the model, however we were unable to develop a statistically significant results for occupancy sensors. This was not a result of insufficient data collection, as was the case for the pre-post lighting logger study, but rather a difficulty in detecting the savings associated with occupancy sensors in the participant bills. The difficulty stems largely from the fact that sites that installed occupancy sensors also installed other lighting measures. Having multiple measure installations led to an issue with multicollinearity and the inability to independently determine the energy savings attributable to occupancy sensors.</p>
<b>SmComm28</b>		
01/04/2010	PG&E Company	NTG   1/1-3
	<b>Question:</b>	Are these weighted averages across the IOU core program and direct install implementers?
	<b>Answer:</b>	We assume this question refers to the NTGRs presented in Table 1-3. Yes, those NTGRs are weighted averages by IOU and measure, across both IOU core programs and direct install programs.
<b>SmComm29</b>		
01/04/2010	PG&E Company	NTG   1/1-3
	<b>Question:</b>	Direct install installation of some efficiency measures is predicated upon the customer allowing implementation of other measures. How is this contingent effect handled in the calculation of measure-specific NTG levels?
	<b>Answer:</b>	<p>The NTG analysis is based on a self report response from a telephone survey. The survey only asks the NTG battery of questions about one specific measure, even if multiple measures were included. Therefore, if the customer was influenced to install a specific measure as a result of participation in the program, and was asked about that specific measure, the responses should have indicated that level of influence.</p> <p>An issue would have been if the battery of NTG questions was asked about all the measures in general. If this had been the case, the customer may have had varying levels of influence across the various measures, and PG&amp;E's concern may have been an issue. But because only one measure was asked about, PG&amp;E's concern is not an issue.</p> <p>It is important to note that the NTGRs for the direct installation programs were significantly higher than for the prescriptive rebate programs. It is possible that this contingent effect is one of the reasons for this higher NTGR.</p>
<b>SmComm30</b>		
01/04/2010	PG&E Company	NTG   1/1-6
	<b>Question:</b>	Are low NTG values (particularly those for lodging) borne out by natural market adoption rates in unserved markets outside of California? If so, what natural market adoption rates were found outside of CA?
	<b>Answer:</b>	The evaluation did not examine adoption rates outside of CA, so we are unable to answer this question. There are issues when comparing national or non-CA market shares of efficiency measures, and using this information to estimate NTGRs. This issue is discussed further in the attachment "Res&SmallCommSRA Response."
<b>SmComm31</b>		

<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Gross savings</b>	<b>2/2-3</b>
	<b>Question:</b>	Since a billing analysis was conducted as part of the linear fluorescent and high bay measure gross impact assessment, were interactive term values estimated? If so, how do those values compare to the estimates in DEER? If not, why was the opportunity not taken to examine interactive effects?	
	<b>Answer:</b>	As stated in the report, interactive effects were not considered in this evaluation. Further analysis will be conducted to apply factors for interactive effects based on the evaluation results and the method and results will be presented in the Energy Division report.	
<b>SmComm32</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Program Descrip.</b>	<b>2/2-5</b>
	<b>Comment:</b>	Not all AMBAG efforts are free of charge to the customer. Co pays are involved.	
	<b>Response:</b>	The report will be changed to reflect this comment.	
<b>SmComm33</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Survey</b>	<b>3/3-19</b>
	<b>Question:</b>	Please explain exactly how the 2939 2004-05 Express Efficiency surveys were used in the assessment. If billing data was employed for any of these customers, how did you ensure that the act of being surveyed would not have influenced subsequent consumption?	
	<b>Answer:</b>	The 2,939 customers were nonparticipants that were surveyed as part of the 2004-05 Express Efficiency study. These data were only used to support the discrete choice analysis, and no billing data were used. The nonparticipant survey for the 2004-05 evaluation was conducted during the 2006-08 program cycle, so these data provide relevant nonparticipant information to the 2006-08 evaluation. The survey instrument questions used in the discrete choice analysis were the same as those used for the 2004-05 evaluation, which provided an excellent opportunity to use these data to provide additional data points to our sample and create a more robust discrete choice model.	
<b>SmComm34</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>	<b>4/4-16</b>
	<b>Question:</b>	In Table 4-16, why is there such a disparity in CFL NTG estimates for PGE2017 (Staples) - 23% and PGE2021 (RHA) 84%, given that both were "no co pay" direct install efforts?	
	<b>Answer:</b>	Please see response to similar question above (SmComm22) regarding variation in NTGRs.	
<b>SmComm35</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>	<b>4/4-19</b>
	<b>Question:</b>	Please confirm or provide the correct overall value for PG&E in Table 4-20. The 6% appears to be a typographical error.	
	<b>Answer:</b>	That is a typo, it should be 76% The report will be changed to reflect this.	
<b>SmComm36</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>	<b>4/4-20</b>
	<b>Question:</b>	Under what conditions would you have recommended that the discrete choice results be employed instead of the self-report results?	
	<b>Answer:</b>	The self report methodology was consistently applied across many measures. Therefore, all else being equal, we would choose the self report results over the discrete choice results to maintain that consistency in methodology. The first point in that decision process would need to be that the discrete choice results were significantly different than the self report results. If they were different, we would need to assess if we believed there was a bias present in either approach. If we felt that there was a bias (or more bias) with the self report approach and no bias (or less bias) with the discrete choice approach, we likely would have chosen the discrete choice result.	
<b>SmComm37</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Verification</b>	<b>4/4-21</b>
	<b>Question:</b>	How have you accounted for the savings that will accrue from lamps that move out of storage into sockets? The absolute number in storage may stay relatively fixed, but the storage levels for interior screw lamps are too high to continue to impose on an annual basis given the low average hours of operation relative to the expected life of the lamps.	
	<b>Answer:</b>	As state above, our evaluation did not examine how stored bulbs are used in the future. For this evaluation, only bulbs that are installed and operable at the time of our on-site visit are	

		credited with energy savings. How savings are credited in the future for stored bulbs is outside the scope of this evaluation.	
<b>SmComm38</b>			
01/04/2010	PG&E Company	NTG	4/4-21
	<b>Question:</b>	Table 4-22 shows values that are quite different across IOUs, but the programs reach out to similar customers in similar ways. Can you please explain? Similarly, Gross Realization rates also vary by IOU. Are these differences due to each IOU using different ex-ante values?	
	<b>Answer:</b>	Please see responses to similar questions (SmComm22 and SmComm23) regarding variation in NTGRs and gross realization rates.	
<b>SmComm39</b>			
01/04/2010	PG&E Company	NTG	4/4-21
	<b>Question:</b>	Table 4-23 - why are NTG values different for kW than for kWh? Shouldn't the same responses have been applied? Are the changes due to weighing schemes? How valid is it to do that?	
	<b>Answer:</b>	Yes, NTGRs differ because the weighting schemes differ. One result is weighted by kW and the other is weighted by kWh. This is a standard practice and considered valid.  Consider if there were only 2 participants. One was 100% a free rider, and the other was 0% free rider. The free rider had a gross impact of 100 kWh and 1 kW; the 0% free rider had a gross impact of 100kW, but 2 kW. The NTGR associated with the kWh savings would be 50%, but the NTGR associated with the kW savings would be 67%.	
<b>SmComm40</b>			
01/04/2010	PG&E Company	Occupancy Sensor	4/4-22
	<b>Question:</b>	Table 4-25 - Summary of NTGR's for Occupancy Sensors and non-HIMs for occupancy sensor under both GWH and MW. Please explain why data is missing for SCE.	
	<b>Answer:</b>	Occupancy Sensors were not a HIM for SCE. Based on the final program tracking data, the savings associated with occupancy sensors were less than 1% of kWh and kW savings at SCE's portfolio level. Therefore, for SCE, occupancy sensors would be considered a non-HIM.	
<b>SmComm41</b>			
01/04/2010	PG&E Company	Verification	4/4-3
	<b>Question:</b>	Please explain the basis for the conclusion that individuals in the PG&E service territory have more than twice the propensity to store CFLs than individuals in the SCE service territory? (Table 4-3 - 19% versus 9%)	
	<b>Answer:</b>	These storage rate results are based upon onsite findings of 553 customers statewide, 174 of which are in PG&E territory. It is interesting to note that the finding for SDG&E was 14%, the midpoint between SCE and PG&E. The PG&E and SDG&E results are not statistically significantly different at the 90% confidence interval; and neither are the SDG&E and SCE results. However, the SCE and PG&E numbers are. These storage rates were relatively consistent across market segment as well, indicating that these differences are not due to differences in market segment, or being driven by a small number of large purchases.  One possibility is that it could be due in part to the quality of the CFLs installed, as a higher quality CFL would be less likely to burn out, and then fewer CFLs would be taken out of storage. Lower quality CFLs could result in higher burn out rates and lower storage rates. The combined rate of storage and burn outs is 26% for PG&E, 24% for SDG&E and 18% for SCE. This may explain a portion of the difference.  The evaluation did not ask why individuals store CFLs, so we do not have data to support a hypothesis on why this difference exists. It is possible that there are other firmographics, such as customer size, that are driving these results. Or it could also be a result of the way the programs were delivered in each territory, or perhaps pricing or packaging differences.	
<b>SmComm42</b>			
01/04/2010	PG&E Company	Verification	4/4-3
	<b>Question:</b>	Please explain the conclusion that CFLs in the SDG&E service territory have a 42% higher propensity to burn out than CFLs in the PG&E service territory? (Table 4-3- 10% versus 7%)	

	<b>Answer:</b>	<p>The 3% difference between SDG&amp;E and PG&amp;E is not statistically significantly different.</p> <p>The response to this question is similar to that above. Burnout rates within an IOU were consistent across market segment, indicating that these differences are not due to differences in market segment, or being driven by a small number of large purchases.</p> <p>It is possible that the difference could be a result of the difference in quality of the CFLs, but again, these results are not statistically significantly different. For example, based on our on-site data, we found the make-up of the CFLs to be more consistent among SCE and SDG&amp;E (which have more similar burn out rates), and differ from PG&amp;E.</p>	
<b>SmComm43</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Hours of Operation</b>	<b>4/4-5</b>
	<b>Question:</b>	In Table 4-4, what is the "Average" market segment? If it is indeed an average across all segments, why is the Express number so high for PG&E and SDG&E and so low for SCE, relative to most individual segments?	
	<b>Answer:</b>	The average market segment is essentially an "other" or miscellaneous category. Differences are due to the makeup of customers that fall into this miscellaneous category.	
<b>SmComm44</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>High Bay Lighting</b>	<b>4/4-9</b>
	<b>Comment:</b>	SCE measure code 187 is listed on Table 4-8. It should be included in Table 4-9. SCE 187 is a high bay lighting fixture measure.	
	<b>Response:</b>	<p>SCE measure code 187 was classified in Table 4-8 because its measure description provided no mention of being a high bay or high output lighting fixture. The PG&amp;E and SDG&amp;E measures mentioned in the following comments did include high bay or high output T5 in their descriptions, which is why those were classified in Table 4-9.</p> <p>This is a perfect example of why we have recommended that measure descriptions need to be made more consistent across IOUs, and more accurately reflect the measure.</p>	
<b>SmComm45</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>High Bay Lighting</b>	<b>4/4-9</b>
	<b>Question:</b>	Table 4-8 SCE 187 and Table 4-9 PGE L292 are the exact same product offering 400 watt base case with up to 244 W replacement fixture. SCE pre-watts 444.4 Post Watts 178.2 PGE pre watts 378.2 post Watts 231.2. Please explain the large variance in pre and post watts for this product.	
	<b>Answer:</b>	Please see response below to SmComm46.	
<b>SmComm46</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>High Bay Lighting</b>	<b>4/4-9</b>
	<b>Question:</b>	"Table 4-9 SDGE measure code EXP 07089 is the same high bay fixture measure 400 Watts base case with up to 244 Watts replacement. Pre Watts 450.7 and post Watts 188.7. The variance between pre and post Watts for PGE appears to be much lower when compared to the other utilities. Since the base case and replacement are exactly the same, please explain the basis for why PGE would have such a large variance. BASECASE 400 Watts replacement up to 244 Watts: Utility PRE Watts Post Watts Variance SCE 444.4 178.2 266.2 SDGE 450.7 188.7 262. PGE 378.2 231.2 147"	
	<b>Answer:</b>	<p>Wattage analysis was initially done by fixture configuration (not measure specific). This analysis was done at the statewide level, such that all IOUs would have the same pre and post wattage applied for the same fixture configuration. To develop pre and post wattage values for a specific measure, on-site data was used to determine the distribution of pre and post fixture configurations for a given measure. Therefore, differences in measure level wattages would be due to differences in the distribution of pre and post configurations that comprised that measure.</p> <p>For the measures in question, the post-retrofit fixture configurations that were most common for PG&amp;E were as follows:</p> <ul style="list-style-type: none"> <li>4 foot, 4 lamp 54W lamp T5s, with an average fixture wattage of 242, and</li> <li>4 foot, 6 lamp 32W lamp T8s, with an average fixture wattage of 197.</li> </ul> <p>SCE and SDG&amp;E also had a large number of the following:</p>	

		<p>4 foot, 4 lamp, 32W lamp T8s, with an average fixture wattage of 105.</p> <p>Because of this, SCE and SDG&amp;E had lower average post retrofit wattages.</p> <p>The pre-retrofit fixture configuration that was the most common across all the IOUs was as follows: 400W metal halides, with average fixture wattage of 458.</p> <p>This accounted for nearly 90% of SDG&amp;E and SCE's pre-retrofit configurations, but only about two-thirds of PG&amp;E's. PG&amp;E had a number of other lower wattage configurations found, averaging only 225 watts. This explains the lower pre-retrofit wattage for PG&amp;E.</p>
<b>SmComm47</b>		
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>NTG</b>   <b>5/5-5</b>
	<b>Question:</b>	Pg 5-5 for NTG - see footnote 1 - upstream NTG rates are reported in the ULP report. Are residential results being applied to commercial? What is the source of this, perhaps a cut-and-paste error?
	<b>Answer:</b>	Residential results are not being applied to commercial. Separate nonresidential NTGRs were developed and are reported in the ULP report. The ULP report covers both residential and nonresidential measures.
<b>SmComm48</b>		
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Billing Analysis</b>   <b>App H/10</b>
	<b>Question:</b>	How were the engineering site-specific "priors" determined for the billing analysis (LinearSav and NonLinearSav)? What data were employed?
	<b>Answer:</b>	<p>From Page H-4:</p> <p><i>"Prior to the billing analysis, there was an extensive lighting logger analysis. The logger study collecting run times for multiple measures across utility, delivery mechanism, and building types. Using these data, in combination with an extensive review of the pre wattage assumptions and the post wattages found on site, the team calculated an engineering value of ex post energy savings by tracking data measure name, utility, delivery mechanism, and building types. The engineering ex post energy savings for the linear lighting measures and CFLs, adjusted for the on-site verification rates, are the savings impacts used in the billing analysis. For all other rebated electric energy efficiency measure, the tracking data ex ante value of savings was used as the savings impact in the billing analysis."</i></p> <p>Essentially, because no billing analysis results were applied to the final ex post UES values, the engineering "priors" used were equal to the final ex-post savings values for the LinearSav parameter and the ex-ante savings values were used for the NonLinearSav parameter.</p>
<b>SmComm49</b>		
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Billing Analysis</b>   <b>App H/12-17</b>
	<b>Question:</b>	Given the higher realization rates for prescriptive programs compared to direct install programs, what policies do you recommend regarding the relative future funding of each type of program effort?
	<b>Answer:</b>	<p>Because we did not believe the billing analysis results for the direct install programs to be reliable, we cannot base any conclusions on these results.</p> <p>However, Section 5 Conclusions and Recommendations, makes some comparisons of results between prescriptive and direct install programs. Below is an excerpt from page 5-3 regarding linear fluorescents:</p> <p><i>"Clearly, there is a role for both direct installation programs and prescriptive rebate programs. The direct installation programs have demonstrated their ability to serve the smaller (and harder to reach) market segments at low levels of free ridership and high installation rates. The prescriptive programs are well served to attract the larger customers, where higher rates of free ridership are offset by larger program impacts and what are often times lower overall program costs because of lower incentive levels."</i></p>

<b>SmComm50</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Billing Analysis</b>	<b>App H/17</b>
	<b>Question:</b>	Why do a number of variables employed in the SAE Model for Direct Install Programs (Table H-7) have different signs across the IOUs? It seems counterintuitive that a given factor would have opposite effects on what are, essentially, the same program model.	
	<b>Answer:</b>	<p>Ideally, we would like to see consistency in the results across IOU. Not just the same sign, but the same expected direction of the sign. For example, if the parameter was on a savings oriented variable, we would expect the sign to be negative.</p> <p>In the cases when there was inconsistency in the signs, often times the parameter was not statistically significant. It is important to note that the variables with different signs are not the realization rates for measures recorded in the tracking data. The variables with different signs tend to be associated with self reported installations of measures or changes in employment and square footage. To determine if a non-program measure was likely to increase or decrease usage the phone survey asked the respondent what the measure was that was installed and what the measure was that was removed. It is possible that the responses to these questions are not as accurate as we might want.</p>	
<b>SmComm51</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Verification</b>	<b>App I/I-2</b>
	<b>Question:</b>	On-site CFL bulb surveys estimated the number of lamps purchased from retailers and whether the lamp had burned out or been replaced. How was the onsite survey able to determine if the lamps that had burned out were part of the upstream program (since the lamp was probably disposed of)?	
	<b>Answer:</b>	<p>Burn out rates were based on customer self-reports.</p> <p>As part of the on-site, the auditors collected manufacturer and model information on the installed CFLs to determine if they were a make that was consistent with program CFLs. If the CFLs were determined to be consistent with what was offered by the upstream program, it was assumed that the burned out CFLs were also program lamps.</p>	
<b>SmComm52</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Survey</b>	<b>App I/I-3</b>
	<b>Question:</b>	Please explain the wide differences in adjustment factors across IOUs in Table I-2.	
	<b>Answer:</b>	<p>Customers were initially identified as CFL purchasers through a phone survey. Customers that claimed to have made a CFL purchase were asked where the purchase was made, how many CFLs were purchased, and were then recruited for an on-site visit. As part of the on-site visit, the auditor inventoried the number of CFLs in place and operable, and in storage, and collected manufacturer and model information. These adjustment factors account for the following:</p> <ul style="list-style-type: none"> <li>- The number of CFLs found on-site may have been more or less than what was reported. Sometimes no screw-in CFLs were found. Customer self reports were rarely 100% accurate.</li> <li>- Some sites reported no CFLs purchases through a retailer, but the on-site revealed there were CFL retail purchases.</li> <li>- The manufacturer and model numbers were used to determine if the CFLs came from the upstream program. Many CFLs were not consistent with the program's manufacture and model numbers and were therefore deemed to not be upstream CFLs.</li> </ul> <p>These factors were all incorporated into the adjustment factor. The fact that the adjustment factors differed by IOU is due to differences in the customer's ability to accurately report CFL retail purchase quantities and perhaps even more likely a results of different percentages of CFLs being found to be consistent with the program's manufacturer and model numbers.</p>	
<b>SmComm53</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Survey</b>	<b>App I/I-4</b>
	<b>Question:</b>	Please define "Census" as used in Table I-3.	
	<b>Answer:</b>	For each IOU the 30 sites with the largest self-reported purchases were classified into their own segment, called "census". For our on-site data collection, we attempted to perform a	

		census on these customers.	
<b>SmComm54</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>Survey</b>	<b>App L/4</b>
	<b>Question:</b>	The responses to GL3, regarding locations where lamps are typically purchased, suggests a high percentage were purchased at stores that were part of the upstream lighting program. However, the response percentages are not well correlated with the Adjusted Upstream Purchases estimated in Appendix I, Tables I-3, I-4, and I-5. Why is this the case? How was the response to GL3 used in estimating Adjusted Upstream purchases?	
	<b>Answer:</b>	<p>The response above describes the factors that are considered in developing the adjustment factors. The response to GL3 only indicates the location where lamps were purchased. Manufacturer and model number data were used to determine if the lamps were consistent with what the program was offering. Furthermore, the adjustment factors reflected inaccuracies in the customer's self reported quantities of CFLs purchased.</p> <p>Finally, the adjustment factors are essentially "weighted" by the number of CFLs reported to have been purchased; whereas the data presented in Appendix L for GL3 was not.</p>	
<b>SmComm55</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
	<b>Comment:</b>	<p><b>Insufficient data from lighting data loggers to support study findings</b></p> <p>Among the four types of data planned for this evaluation, lighting data loggers were to be employed to estimate the mean lifetime avoided costs savings associated with High Impact Measures (HIMs) with a high level of confidence. However, data from the loggers were only used for three of the seven HIMs. Instead, an inherently less reliable methodology—telephone interviews—were used in place of logger data to analyze the remaining four HIMs.</p> <p>Loggers installed on-site provide detailed hours-of-operation data, and are a highly accurate way to determine gross energy unit savings. The on-site visits for logger installation also verify that the measures are installed and operable. As a result of insufficient logger data for the remaining HIMs, several key planned evaluations were not conducted. This resulted in a questionable accuracy of measured energy savings for four of the seven HIMs. Specifically, lighting logger analyses were not performed for the occupancy sensor HIM, monitored data could not be used to evaluate the lighting controls HIM, and the "pre-post" components of the studies for high bay and linear fluorescents HIMs could not be conducted.</p> <p>Use of logger data is an inherently more reliable methodology than the substituted telephone interviews used to evaluate the remaining four HIMs for which insufficient data was obtained. Reliance on this inherently less reliable methodology resulted in less reliable conclusions.</p>	
	<b>Response:</b>	<p>Only five HIMs were evaluated as part of this evaluation, not seven as implied by PG&amp;E. Four of the five HIMs did employ lighting logger data, not three as suggested by PG&amp;E.</p> <p>The fifth HIM, occupancy sensors, did not have a gross impact evaluation conducted. Only a net-to-gross analysis was conducted for occupancy sensors. Therefore, PG&amp;E's statement is incorrect that telephone interviews were used in place of logger data.</p> <p>The results for four of the five HIMs relied on lighting logger results to estimate gross savings, all of which had statistically significant gross and net impact results. Occupancy sensors had only a net analysis performed, which also had a statistically significant result.</p> <p>Perhaps PG&amp;E is confusing the non-HIMs that were evaluated and included in this report as being HIMs. PG&amp;E's claim that "several key planned evaluations were not conducted," is also incorrect. These non-HIM measures did not have any gross analysis planned, only a net-to-gross analysis, which was conducted as planned.</p> <p>Therefore, the only key planned evaluation activity that was not performed was the lighting logger analysis for occupancy sensors. An attempt was made, but recruitment proved difficult as described in the report. Furthermore, a billing analysis was also attempted for this measure, but the results were not statistically significant, and therefore were not used.</p>	

<b>SmComm56</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
	<b>Comment:</b>	<p><b>Lack of consistency in NTG calculations</b></p> <p>This report does not contain sufficient detail to explain the basis for its NTG findings. There is significant variation in the reported NTG results which demands careful review by Energy Division staff. These discrepancies in NTG values appear both within single measure types and across measure types and suggest that an error was likely made in measuring NTG values for these customers.</p> <p>Specifically, the direct install efforts associated with the partnership programs (PGE 2016, PGE 2017, PGE 2021, and PGE 2054) are all operated in a consistent fashion, yet NTG ratios for CFLs range from 22% to 77%. All of these programs deal with small and mid-sized non-residential customers, who are not appreciably different in their business practices and attitudes across the service territory. As a result, PG&amp;E believes the discrepancies in their corresponding NTG results are likely inaccurate. In addition, PG&amp;E's downstream core program (PGE 2080) is, essentially, a direct install program. The installations are performed by lighting contractors who act in similar fashion to the direct install contractors hired by the partnership programs. Consequently, one would reasonably expect NTG values should be consistent across all of these programs and across the measure types evaluated.</p>	
	<b>Response:</b>	Please see response to similar question above (SmComm22) regarding variation in NTGRs.	
<b>SmComm57</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
	<b>Comment:</b>	<p><b>Evolution of NTG over time</b></p> <p>The report incorrectly assesses the net-to-gross rate (NTGR) for this program. As with Gross Realization Rate (GRR), the NTGR should seek to interpolate between 2005 and 2009 values to develop a weighted average NTGR for the 2006, 2007, and 2008. The small commercial program successfully advanced the evolution of the market and therefore, it is likely that the amount of Free-Ridership was considerably lower at the beginning of the program cycle than at the end of the cycle.</p>	
	<b>Response:</b>	Please see response above to a similar question (SmComm26) about the evolution of NTGRs over time.	
<b>SmComm58</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
	<b>Comment:</b>	<p><b>Gross Impact Savings calculation timeframe</b></p> <p>The gross impacts results suffer from one significant error: they primarily rely on 2009 data to calculate 2006-08 impacts. Hours of operation, delta watts, initial install rates, all changed significantly over these three years. Using 2008-09 values to calculate 2006-08 savings incorrectly biases the gross impact savings downward. Evaluators should have interpolated between the 2004-05 and 2008-09 values for key parameters to estimate gross savings in 2006-08.</p>	
	<b>Response:</b>	<p>With the exception of the pre-post lighting logger sample, which included 2009 participants, the study was based on data collection of the 2006-08 participant population. Some of the data collection efforts were conducted in 2009, but they were on the 2006-08 participant population (again, with the exception of the pre-post logger study). The samples used for this evaluation were representative of all three program years. PG&amp;E claims there is a downward bias on the gross impact savings, but provides no justification for this.</p> <p>Take delta watts, for example. How could the fact that data collected in 2009 have a bias on what those delta watts were?</p> <p>It is unclear what is meant by interpolating between the 2004-05 and 2008-09 values for key parameters. We can only assume PG&amp;E is referring to the 2004-05 Express Efficiency evaluation. We believe that there is more bias by introducing a different year of program participants than there would be by collecting data a year or two after participation. The 2004-05 participants are not representative of the 2006-08 participants. The 2004-05 participants are all from the prescriptive rebate program, Express Efficiency, while a significant portion of the 2006-08 participants were from a variety of direct install programs.</p>	



Also, the 2006-08 results (operating hours) are very similar overall to the 2004-05 results when comparing only the 2006-08 Express Efficiency participants. This is counter to PG&E's claim that the 2006-08 results are biased downward relative to the 2004-05 results. More specifically, we compared the linear fluorescent and CFL operating hour results for Express Efficiency participants to the 2004-05 Express Efficiency lighting logger study results to determine if there were any significant changes in operating hours over time. Weighting the data to mimic the 2006-08 population, overall operating hours were very similar, and not statistically significantly different. Results for both linear fluorescents and CFLs were within one percent of each other. Therefore, the logger data do not support the hypothesis that installing the loggers in 2009 has biased operating hour estimates downward.

Finally, a billing analysis was performed that should not be subjected to PG&E's bias claim because the analysis looked only at 2006-08 participants and analyzed bills from 2004 to 2009. This analysis strongly supported the final ex post savings results for the Express efficiency population, again illustrating that there was no bias as claimed by PG&E.

**SmComm59**

<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
<b>Comment:</b>		<b>Refining the evaluation methodology:</b>	
		<p><b>Accelerating data collection</b></p> <p>The key findings of the report acknowledge that the evaluation process would be more accurate if surveys were administered soon after initial customers are enrolled in the programs. In addition, on-site verification visits should be conducted relatively soon after the customer installs the measure to accurately estimate burn out and storage rates, and improve customer recall on the disposition of rebated measures. The dynamic nature of small businesses presents a major challenge to evaluators given their high business failure rate, especially in light of the economic downturn that began midway through the 2006-2008 program cycles. In addition, customers' recollections of specific program details tend to fade over time. Therefore, surveys should be conducted in waves, soon after customers participate, rather than near the end of a three-year program cycle. A second benefit to accelerating data collection would be to provide early feedback to the utilities which would allow program implementers to make program design changes during the current program cycle. Finally, by commencing the evaluation research earlier, sites could be recruited for logger-type evaluations roughly at the same time they enroll in the program.</p>	
<b>Response:</b>		We agree with PG&E's comment, which is consistent with our recommendations in Section 5 of the evaluation report.	

**SmComm60**

<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
<b>Comment:</b>		<b>Refining the evaluation methodology:</b>	
		<p><b>Revisiting baselines</b></p> <p>There are two key considerations concerning baseline analyses that should be addressed when designing future evaluations. First, since participants in the linear fluorescents program could either have replaced the lighting immediately or waited to replace the units at burnout, future evaluations should employ using a dual baseline (that is, one for replacing lighting immediately and one for replacing lighting at burnout).</p> <p>Second, attention must be given to increasing sample sizes given that the present study did not include a large enough sample to adequately detect and reflect statistical differences between pre- and post-retrofit usage for linear fluorescents and self-report data for CFLs.</p>	
<b>Response:</b>		<p>Again, we agree with PG&amp;E's first comment regarding the use of a dual baseline, which is consistent with our recommendations in Section 5 of the evaluation report. However, PG&amp;E's definition of a dual baseline is different than what the report uses. A dual baseline by our definition is that a measure uses one baseline for the first set of years up to the existing equipment's remaining useful life, and then a second baseline for the years up to the installed equipment's effective useful life.</p> <p>What we believe PG&amp;E is saying is that linear fluorescents should be considered to be of two types of retrofits – early replacement and replacement on burnout. The early replacement retrofit would employ a dual baseline as we describe. However, a replacement on burnout would not have a dual baseline. Its baseline would be what would have been</p>	

		installed in the absence of the program (often times what code requires, but not necessarily.)	
		Regarding PG&E's second comment, we agree that future evaluations should pay close attention to ensuring a sufficient sample is utilized to evaluate if there are differences in the baseline and post-retrofit usage. This is consistent with one of our recommendations. However, we would like to point out that we do not feel the sample sizes used in our evaluation were inadequate, as suggested by PG&E. We did state that the sample sizes were limited, but we do not feel they were inadequate.	
<b>SmComm61</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
	<b>Comment:</b>	<b>Refining the evaluation methodology:  Coordination between utilities and evaluators</b> Better coordination between the utilities and the evaluators would help to streamline the evaluation process. For example, coordinating to achieve uniformity in measure names and recordkeeping formats may minimize error in data analysis and may ultimately lead to more precise evaluation findings.	
	<b>Response:</b>	We agree with PG&E's comment, which is consistent with our recommendations in Section 5 of the evaluation report.	
<b>SmComm62</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
	<b>Comment:</b>	<b>Refining the evaluation methodology:  Consistent and clear use of terminology</b> We also urge ED to direct all reports to use the term "net-of-free-ridership" (NOFR) instead of NTG. Given that California is unique in including FR in the calculation of NTG only, and not in NOFR, the reports should reflect this by using the correct terminology. Doing so will avoid confusing readers who might be led to think the results of these reports include spillover.	
	<b>Response:</b>	The NTGR measures the impact of the program on measures rebated or recommended through the program and only addresses free ridership with respect to these program measures. The interpretation of this term is consistent with the California Protocols and the last 25 years of energy efficiency in California and other states including New York. While the NTGR can be adjusted upwards by taking both participant and nonparticipant impacts into account, the current CPUC policy is not to count spillover in 2006-2008. See Finding of Fact 27 of D. 05-04-051. The speculative nature of any attempts to quantify spillover effects significantly reduces their applicability as an analytical tool at this time. Moreover, discounting the accounting of free-ridership through "spillover", as PG&E proposes, would make it particularly difficult to attribute indirect program benefits to education and information programs, without double-counting those benefits. Thus, the term "NTGR" will continue to be used.	
<b>SmComm63</b>			
<b>01/04/2010</b>	<b>PG&amp;E Company</b>	<b>PG&amp;E Cover Letter</b>	<b>General</b>
	<b>Comment:</b>	<b>CONCLUSION</b> Given that the proposed methodology was not followed in evaluating all HIMs, the inherent weakness of the methodology substituted in its place, and the lack of support for other findings such as NTG, the report's findings are unreliable and do not represent an accurate measure of the program's actual performance.	
	<b>Response:</b>	We strongly disagree with PG&E's comment.  Again, only 5 HIMs were evaluated, along with some non-HIM results.  Four of the 5 HIMs were evaluated using lighting logger data and on-site verification data as the basis for the gross savings values; and a self-report analysis to estimate NTGRs. All of these results were found to be statistically significant with a high degree of relative precision. Unit energy savings (UES) values were estimated at a 14% or better relative precision measured at the 90% confidence interval for both energy and demand for linear fluorescents, interior screw lighting and upstream interior screw lighting. For high bay lighting, UES values were estimated at a 24% or better relative precision measured at the 90% confidence interval for both energy and demand. Installation rates were estimated at a 5% or better relative precision measured at the 90% confidence interval for all four HIMs. NTGRs were	

estimated at a 7% or better relative precision measured at the 90% confidence interval for linear fluorescents, interior screw lighting and high bay lighting (NTGRs were not reported in this evaluation for upstream interior screw lighting).

The fifth HIM, occupancy sensors and the non-HIM measures used ex ante values in the report as the gross savings values (which we assume PG&E does not believe to be unreliable). The evaluation did develop NTGRs for these measures, which were estimated at a 11% relative precision for occupancy sensors and 19% or better for the non-HIMs, measured at the 90% confidence interval.

It is important to note that occupancy sensors and non-HIM measures comprise just a small fraction of the total savings provided by the other four key HIM measures, interior screw lighting, upstream interior screw lighting, linear fluorescents and high bay fluorescents.

Finally, changes in the methodology have resulted in more consistent NTGRs across program. Differences in NTGRs for similar programs and measures are explained by differences in the distributions of participants across market segment within a program.