



PY2011 Energy Savings Assistance Program Impact Evaluation

REPORT APPENDICES

STUDY ID: SDG0273.02

August 30, 2013

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Appendix A: Phone Survey Instruments

The following instrument was used by CIC Research to conduct phone surveys among a random group of participants that were found to have increased their average annual energy use – accounting for temperature differences – after installing measures through the Energy Savings Assistance Program.

Intro. Hello, this is <INTERVIEWER NAME> calling from CIC Research on behalf of [UTILITY]. May I please speak with [PROGRAM CONTACT]?

I'm calling to do a follow-up survey about your participation in [UTILITY]'s [PROGRAM NAME].

The purpose of this survey is to help [UTILITY] better understand how your energy use may have changed since participating in [PROGRAM NAME]. This is the program where a representative from [UTILITY] came to your home and installed some energy savings items and gave you information on how to save energy. Our records indicate that you participated around [FIRST MONTH] of [FIRST YEAR], when they installed [MEASURE 1], [MEASURE 2], and [MEASURE 3]. [INTERVIEWER: DON'T GET HUNG UP ON THE DATE. ONLY USE DATE PERIODICALLY TO REMIND RESPONDENT, IF HELPFUL. IF RESPONDENT DISAGREES WITH DATE BUT IT'S CLOSE TO OUR DATE, DON'T REFER TO DATE BUT RATHER SAY: "SINCE YOU PARTICIPATED IN THE ESA PROGRAM."]

A1. Do you recall participating in the ESA program?

1	Yes	A2
2	No	Prompt: Is there anyone else at your home that might remember [PROGRAM NAME]?
77	Other [specify]	A2
88	Refused	T&T
99	Don't know	T&T

A2. Are you the best person to talk to about how your energy use may have changed since you participated in the ESA program?

1	Yes	C1
2	No	Prompt: May I speak to that person? [ARRANGE CB IF NECESSARY]

[Once appropriate contact found:]

For the rest of the survey I will refer to the [PROGRAM] as the "ESA Program" (and occasionally remind you of your participation date of approximately [FIRST MONTH] of [FIRST YEAR]).

Cooling Systems

First, I have a few questions about how you cool your home.

C1. Do you have an air conditioner or an evaporative cooler or a swamp cooler in your home?

1	Yes	Continue
2	No	C3
77	Other [specify]	C3
88	Refused	C3
99	Don't know	C3

C2. What type of air conditioning do you use? Is it . . . (IF MULTIPLES, RECORD WHICH IS PRIMARY AND WHICH IS SECONDARY. READ CHOICES)

1	Central air conditioning	Continue
2	Room air conditioning	Continue
3	Evaporative cooler / 'swamp' cooler	Continue
4	or something else (SPECIFY) _____	Continue
5	None are used (DO NOT READ)	Continue
88	Refused	Continue
99	Don't Know	Continue

C3. Do you ever use fans to cool your home?

1	Yes	Continue
2	No	C5
88	Refused	C5
99	Don't know	C5

C4. What type of fans do you use? Is it . . . (READ CHOICES)

1	Ceiling fans	Continue
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2	Portable fans	Continue
3	Both ceiling and portable fans	Continue
88	Refused	Continue
99	Don't Know	Continue

Now I'd like to ask you a few questions about how you cool your home and how that may have changed since ([FIRST MONTH] of [FIRST YEAR], when) the ESA contractors visited your home and installed new energy efficient equipment.

C5. Did your participation in the ESA program (in [FIRST MONTH] of [FIRST YEAR]) cause you to change *the way* you cool your home? In other words, did you change which equipment you use to cool your home since that date?

1	Yes	Continue
2	No	C8
77	Other [specify]	C8
88	Refused	C8
99	Don't know	C8

C5a. Did you receive that new cooling equipment as part of the ESA program?

1	Yes	ASK C6, THEN SKIP TO C8
2	No	CONTINUE
88	Refused	CONTINUE
99	Don't Know	CONTINUE

C6. Before you participated in the ESA program, how did you usually cool your home? (If multiple responses, record primary and secondary cooling methods)

1	Central air conditioning	Continue
2	Room air conditioning	Continue
3	Evaporative cooler / 'swamp' cooler	Continue
4	Ceiling fans	Continue

5	Portable fans	Continue
6	No Cooling	Continue
77	Other [specify]	Continue
88	Refused	Continue
99	Don't Know	Continue

C7. Why did you change the way you cooled your home? _____
Record answer verbatim

C8. Since you participated in the ESA program, have you changed *how much* you cool your home?

1	Cooling home more	Continue
2	Cooling home less	H1
3	Cooling the same amount	H1
88	Refused	H1
99	Don't Know	H1

C9. How are you cooling your home more? (Do not read list, if multiple responses, record primary and secondary responses.)

1	Running central air conditioner more often	Continue
2	Running room AC's more often	Continue
3	Lowered the temperature on the thermostat	Continue
4	Running fans more often	Continue
5	Running evaporative cooler / 'swamp cooler' more often	Continue
6	Opened more windows / windows opened longer	Continue
7	Using shades on windows more often	Continue
9	Other (specify)	Continue
88	Refused	Continue
99	Don't Know	Continue

C10. Why are you cooling your home more now? [Do not read, multiple responses allowed]

1	Hotter weather now than before	H1
2	New system works better	H1
3	Old system was not functioning at all	H1
4	Now have disabled or elderly person at home during the day	H1
5	Lost job, now home during the day	H1
6	Working at home more now	H1
7	Family members want home cooler	H1
8	Am making more money now, can afford to keep house cooler	H1
9	Other (specify)	H1
88	Refused	H1
99	Don't Know	H1

Heating Systems

Now I'd like to ask you a few questions about the way you heat your home and how that may have changed since ([FIRST MONTH] of [FIRST YEAR], when) the ESA contractors visited your home.

H1. Which of the following best describes the primary way you heat your home? [READ]

1	Gas furnace	Continue
2	Electric forced air furnace	Continue
3	Electric Heat Pump	Continue
4	Electric Space Heater	Continue
5	No Heat	G1
77	Other [specify]	Continue
88	Refused	Continue
99	Don't Know	Continue

H2. Did your participation in the ESA program (on [FIRST MONTH] of [FIRST YEAR]) cause you to change *the way* you heat your home? In other words, did you change which equipment you use to heat your home since that date?

1	Yes	Continue
2	No	H5
88	Refused	H5
99	Don't know	Continue

H2a. Did you receive that new heating equipment as part of the ESA program?

1	Yes	ASK H3, THEN SKIP TO H5
2	No	CONTINUE
88	Refused	CONTINUE
99	Don't Know	CONTINUE

H3. Before you participated in the ESA program, how did you usually heat your home? (Do not read, if multiple responses, record primary and secondary heating methods)

1	Gas furnace	Continue
2	Electric forced air furnace	Continue
3	Electric Heat Pump	Continue
4	Electric Space Heater	Continue
5	No Heat	Continue
77	Other [specify]	Continue
88	Refused	Continue
99	Don't Know	Continue

H4. Why did you change the way you heat your home? _____
Record verbatim response

H5. Since you participated in the ESA program, have you changed *how much* you heat your home?

1	Heating home more	Continue
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2	Heating home less	G1
3	Heating the same amount	G1
88	Refused	G1
99	Don't Know	G1

H6. How are you heating your home more? (Do not read, if multiple responses, record primary and secondary responses.)

1	Running furnace more often	G1
2	Running heat pump often	G1
3	Increased the temperature on the thermostat	G1
4	Using space heaters more often	G1
5	Other (specify)	G1
88	Refused	G1
99	Don't Know	G1

H7. Why are you heating your home more now? [Do not read list, multiple responses allowed]

1	Colder weather now than before	Continue
2	New system works better	Continue
3	Old system was not functioning at all	Continue
4	Now have disabled or elderly person at home during the day	Continue
5	Lost job, now home during the day	Continue
6	Working at home more now	Continue
7	Family members want home warmer	Continue
8	Am making more money now, can afford to keep house warmer	Continue
9	House is less drafty now, house stays warmer	Continue
10	Other (specify)	Continue

88	Refused	G1
99	Don't Know	G1

General

G1. Now I'm going to ask you if you received any new appliances or equipment that may have affected the energy use in your home since your involvement with the ESA program. Since that time ([FIRST MONTH] of [FIRST YEAR]), have you added or replaced any of the following items to your home? How about . . . [Record Yes/No for each appliance listed]

1	Stove	G6
2	Microwave*	G6
3	Water Heater*	G6
4	Clothes Washer*	G6
5	Dryer*	G6
6	Dishwasher	G6
7	TV - additional	G6
8	TV - replaced	G6
9	Computer(s) - additional	G6
10	Computer(s) - replaced existing	G6
11	Refrigerator(s)*	Continue
12	Freezer(s)*	Continue
77	Other [specify]	G6
88	Refused	G6
99	Don't Know	G6

G1a. (FOR EACH ITEM MARKED WITH AN * IN G1, ASK:) Did you get that [ITEM] as part of the ESA program?

1	Yes	CONTINUE
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2	No	CONTINUE
88	Refused	CONTINUE
99	Don't Know	CONTINUE

G2. Did your old [Refrigerator/Freezer] get hauled away, or is it still running somewhere in your house, basement, or garage?

1	Hauled away	G6
2	Still running	Continue
3	Still have it in house/basement/garage but not running	G6
88	Refused	G6
99	Don't know	G6

G3. How old is the older [Refrigerator/Freezer]? Is it . . . (READ CHOICES)

1	1-5 years	Continue
2	5-10 years	Continue
3	10-15 years	Continue
4	15 or more years	Continue
88	Refused	G6
99	Don't know	G6

G4. Where is your old freezer or refrigerator plugged in? Is it in the basement, the garage, or somewhere else?

1	Basement	Continue
2	Garage	Continue
77	Other [Specify]	Continue
88	Refused	G6
99	Don't know	G6

G5. Is that room insulated?

1	Yes	Continue
2	No	Continue
88	Refused	Continue
99	Don't know	Continue

G6. Are there ANY appliances in your household that you didn't use before participating in the ESA program but are using now?

1	Yes	Continue
2	No	G8
88	Refused	G8
99	Don't know	G8

G7. Which of the following appliances have you started using since you participated in the program?
[Read list, record all that apply]

1	Stove	Continue
2	Microwave	Continue
3	Water Heater	Continue
4	Washer	Continue
5	Dryer	Continue
6	Dishwasher	Continue
7	TV	Continue
8	Computer	Continue
9	Refrigerators	Continue
10	Freezers	Continue
77	Other [specify]	Continue
88	Refused	Continue

99	Don't Know	Continue
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G8. Do you own or rent your home?

1	Own	01
2	Rent	Continue
88	Refused	01
99	Don't know	01

G9. Does your landlord pay for any portion of the utilities?

1	Yes	Continue
2	No	Continue
88	Refused	Continue
99	Don't know	Continue

Household Occupancy

01. Has the number of people living in your home changed since you participated in the ESA program?

1	Increased	Continue
2	Decreased	Continue
3	Stayed the same	03
88	Refused	03
99	Don't know	03

02. By how many did your household [01]?

1	1-2	Continue
2	3-4	Continue
3	5 or more	Continue
88	Refused	Continue

99	Don't know	Continue
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Q2a. How many people currently live in your house?

of people: ___

Q3. How many people over the age of 65 currently live in your house? # ___

88	Refused	Continue
99	Don't know	Continue

Q4. How many people under the age of 2 currently live in your house?

88	Refused	Continue
99	Don't know	Continue

Q5. Has the number of people that stay at home during the day changed since you participated in the ESA program?

1	Yes	Continue
2	No	HC1
88	Refused	HC1
99	Don't know	HC1

Q6. How many more people stay at home during the day since you participated in the ESA program? # ___

88	Refused	Continue
99	Don't know	Continue

Q7. What is the reason for more people staying at home? (MULTIPLES OK)

1	Lost job	Continue
2	Caring for children	Continue
3	Elderly parents moved in	Continue
4	Working at home more	Continue
5	Other	Continue
88	Refused	Continue

99	Don't know	Continue
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Housing Characteristics

HC1. When was your house built? Was it . . . [READ RANGES]

1	In the last 10 years [i.e., since 2000]	Continue
2	In the 1990's	Continue
3	In the 1980's	Continue
4	In the 1970's	Continue
5	In the 1960's	Continue
6	In the 1950's	Continue
7	In the 1940's	Continue
8	Before 1940	Continue
88	Refused	Continue
99	Don't Know	Continue

HC2. Which of the following categories includes the size of your house? Is it . . . [READ RANGES]

1	Less than 500 square feet	Continue
2	Between 500 and 1000 square feet	Continue
3	Between 1000 and 1500 square feet	Continue
4	Between 1500 and 2000 square feet	Continue
5	Between 2000 and 2500 square feet	Continue
6	Between 2500 and 3000 square feet	Continue
7	More than 3,000 square feet	Continue
88	Refused	Continue
99	Don't Know	Continue

HC3. Have you done any remodeling or renovating since the program?

1	Yes	Continue
2	No	HC5
88	Refused	HC5
99	Don't know	HC5

HC4. Did Square Footage increase or decrease?

1	Yes, Increased	Continue
2	Yes, Decreased	Continue
3	No	Continue
88	Refused	Continue
99	Don't know	Continue

HC5. How has your combined gross household annual income changed since you participated in the ESA program? Would you say it has increased, decreased, or has there been no change?

1	Increase	Continue
2	Decrease	Continue
3	No Change	Continue
88	Refused	Continue
99	Don't know	Continue

HC6. Is there anything else that has occurred since you participated in the ESA program in [FIRST MONTH] of [FIRST YEAR] that we haven't talked about and that might have affected energy use in your home?

Thank you very much for your time and cooperation.

(INTERVIEWER: Record gender:)

1. Male
2. Female

Appendix B: Phone Survey Results Tabulations

Below are the complete results from ESA Participant Phone Survey. Cumulative, as well as utility-specific, totals are displayed for all questions.

A1. Do you recall participating in the Energy Savings Assistance Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes (continue to C1)	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
No (Ask to speak to person who might be able to answer)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

A2. Are you the best person to talk to about how your energy use may have changed since you participated in the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes (continue to C1)	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
No (Ask to speak to person who might be able to answer). (arrange CB if necessary)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C1. Do you have an air conditioner or an evaporative cooler or a swamp cooler in your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	79	110	106	76	371
	Row %	21.3%	29.6%	28.6%	20.5%	100.0%
	Col %	52.7%	73.3%	70.2%	50.3%	61.6%
No	Count	71	40	45	75	231
	Row %	30.7%	17.3%	19.5%	32.5%	100.0%
	Col %	47.3%	26.7%	29.8%	49.7%	38.4%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C2. What type of air conditioning do you use? (PRIMARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Central air conditioning	Count	46	59	53	41	199
	Row %	23.1%	29.6%	26.6%	20.6%	100.0%
	Col %	58.2%	54.1%	50.5%	54.7%	54.1%
Room air conditioning	Count	18	18	20	31	87
	Row %	20.7%	20.7%	23.0%	35.6%	100.0%
	Col %	22.8%	16.5%	19.0%	41.3%	23.6%
Evaporative cooler / 'swamp cooler'	Count	14	31	32	2	79
	Row %	17.7%	39.2%	40.5%	2.5%	100.0%
	Col %	17.7%	28.4%	30.5%	2.7%	21.5%
None are used	Count	1	1	0	1	3
	Row %	33.3%	33.3%	0.0%	33.3%	100.0%
	Col %	1.3%	0.9%	0.0%	1.3%	0.8%
something else (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	79	109	105	75	368
	Row %	21.5%	29.6%	28.5%	20.4%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C2a. What OTHER types of air conditioning do you use? (SECONDARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Central air conditioning	Count	1	8	9	0	18
	Row %	5.6%	44.4%	50.0%	0.0%	100.0%
	Col %	1.3%	7.5%	8.7%	0.0%	5.0%
Room air conditioning	Count	6	12	6	3	27
	Row %	22.2%	44.4%	22.2%	11.1%	100.0%
	Col %	7.7%	11.2%	5.8%	4.1%	7.4%
Evaporative cooler / 'swamp cooler'	Count	2	6	5	2	15
	Row %	13.3%	40.0%	33.3%	13.3%	100.0%
	Col %	2.6%	5.6%	4.8%	2.7%	4.1%
Whole house fan	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	0.9%	0.0%	0.0%	0.3%
No other air conditioning	Count	69	81	84	69	303
	Row %	22.8%	26.7%	27.7%	22.8%	100.0%
	Col %	88.5%	75.7%	80.8%	93.2%	83.5%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
something else (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	78	107	104	74	363
	Row %	21.5%	29.5%	28.7%	20.4%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C3. Do you ever use fans to cool your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	112	122	127	135	496
	Row %	22.6%	24.6%	25.6%	27.2%	100.0%
	Col %	74.7%	81.3%	84.1%	89.4%	82.4%
No	Count	38	28	24	16	106
	Row %	35.8%	26.4%	22.6%	15.1%	100.0%
	Col %	25.3%	18.7%	15.9%	10.6%	17.6%
Total	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C4. What type of fans do you use? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Ceiling fans	Count	30	31	46	19	126
	Row %	23.8%	24.6%	36.5%	15.1%	100.0%
	Col %	26.8%	25.4%	36.2%	14.1%	25.4%
Portable fans	Count	48	38	26	54	166
	Row %	28.9%	22.9%	15.7%	32.5%	100.0%
	Col %	42.9%	31.1%	20.5%	40.0%	33.5%
Both ceiling and portable fans	Count	34	53	55	62	204
	Row %	16.7%	26.0%	27.0%	30.4%	100.0%
	Col %	30.4%	43.4%	43.3%	45.9%	41.1%
Total	Count	112	122	127	135	496
	Row %	22.6%	24.6%	25.6%	27.2%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C5. Did your participation in the ESA program cause you to change the way you cool your home?

BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	9	20	21	14	64
	Row %	14.1%	31.2%	32.8%	21.9%	100.0%
	Col %	6.0%	13.3%	14.2%	9.3%	10.7%
No	Count	140	130	127	137	534
	Row %	26.2%	24.3%	23.8%	25.7%	100.0%
	Col %	94.0%	86.7%	85.8%	90.7%	89.3%
Other (specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	149	150	148	151	598
	Row %	24.9%	25.1%	24.7%	25.3%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C5a. Did you receive that new cooling equipment as part of the ESA program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	4	10	11	0	25
	Row %	16.0%	40.0%	44.0%	0.0%	100.0%
	Col %	44.4%	52.6%	55.0%	0.0%	40.3%
No	Count	5	9	9	14	37
	Row %	13.5%	24.3%	24.3%	37.8%	100.0%
	Col %	55.6%	47.4%	45.0%	100.0%	59.7%
Total	Count	9	19	20	14	62
	Row %	14.5%	30.6%	32.3%	22.6%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C6. Before you participated in the ESA program, how did you usually cool your home? (PRIMARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Central air conditioning	Count	2	9	11	3	25
	Row %	8.0%	36.0%	44.0%	12.0%	100.0%
	Col %	22.2%	45.0%	52.4%	21.4%	39.1%
Room air conditioning	Count	1	1	2	1	5
	Row %	20.0%	20.0%	40.0%	20.0%	100.0%
	Col %	11.1%	5.0%	9.5%	7.1%	7.8%
Evaporative cooler / 'swamp cooler'	Count	1	2	3	0	6
	Row %	16.7%	33.3%	50.0%	0.0%	100.0%
	Col %	11.1%	10.0%	14.3%	0.0%	9.4%

Ceiling fans	Count	1	1	2	1	5
	Row %	20.0%	20.0%	40.0%	20.0%	100.0%
	Col %	11.1%	5.0%	9.5%	7.1%	7.8%
Portable fans	Count	3	4	1	6	14
	Row %	21.4%	28.6%	7.1%	42.9%	100.0%
	Col %	33.3%	20.0%	4.8%	42.9%	21.9%
No Cooling	Count	1	1	1	1	4
	Row %	25.0%	25.0%	25.0%	25.0%	100.0%
	Col %	11.1%	5.0%	4.8%	7.1%	6.2%
opened windows	Count	0	2	0	2	4
	Row %	0.0%	50.0%	0.0%	50.0%	100.0%
	Col %	0.0%	10.0%	0.0%	14.3%	6.2%
hose off roof	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
keep windows/curtains closed	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	4.8%	0.0%	1.6%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	9	20	21	14	64
	Row %	14.1%	31.2%	32.8%	21.9%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C6a. Are there any other methods you used to cool your home before you participated in the ESA program?

(SECONDARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Central air conditioning	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Room air conditioning	Count	0	1	1	0	2
	Row %	0.0%	50.0%	50.0%	0.0%	100.0%
	Col %	0.0%	5.0%	4.8%	0.0%	3.1%
Evaporative cooler / 'swamp cooler'	Count	0	0	0	1	1
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	7.1%	1.6%
Ceiling fans	Count	1	1	4	2	8
	Row %	12.5%	12.5%	50.0%	25.0%	100.0%
	Col %	11.1%	5.0%	19.0%	14.3%	12.5%
Portable fans	Count	2	5	6	3	16
	Row %	12.5%	31.2%	37.5%	18.8%	100.0%
	Col %	22.2%	25.0%	28.6%	21.4%	25.0%
No Cooling	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
opened windows	Count	0	2	0	0	2
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	10.0%	0.0%	0.0%	3.1%
hose off roof	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	11.1%	0.0%	0.0%	0.0%	1.6%

keep windows/curtains closed	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	5.0%	0.0%	0.0%	1.6%
No Other cooling methods	Count	6	11	12	9	38
	Row %	15.8%	28.9%	31.6%	23.7%	100.0%
	Col %	66.7%	55.0%	57.1%	64.3%	59.4%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	9	20	21	14	64
	Row %	14.1%	31.2%	32.8%	21.9%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C7. Why did you change the way you cooled your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Save energy/new ones more efficient	Count	1	5	2	1	9
	Row %	11.1%	55.6%	22.2%	11.1%	100.0%
	Col %	20.0%	50.0%	20.0%	7.1%	23.1%
Save money	Count	1	5	3	7	16
	Row %	6.2%	31.2%	18.8%	43.8%	100.0%
	Col %	20.0%	50.0%	30.0%	50.0%	41.0%
Have child/elderly/ill people in home	Count	0	1	2	0	3
	Row %	0.0%	33.3%	66.7%	0.0%	100.0%
	Col %	0.0%	10.0%	20.0%	0.0%	7.7%
House is too hot/what I have wasn't doing it	Count	2	1	1	6	10
	Row %	20.0%	10.0%	10.0%	60.0%	100.0%
	Col %	40.0%	10.0%	10.0%	42.9%	25.6%
Didn't have one/ours was broken	Count	1	0	2	0	3
	Row %	33.3%	0.0%	66.7%	0.0%	100.0%
	Col %	20.0%	0.0%	20.0%	0.0%	7.7%
I got a swamp cooler	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	10.0%	0.0%	2.6%
Total	Count	5	10	10	14	39
	Row %	12.8%	25.6%	25.6%	35.9%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C8. Since you participated in the ESA program, would you say you are . . . ? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Cooling your home more	Count	4	19	16	9	48
	Row %	8.3%	39.6%	33.3%	18.8%	100.0%
	Col %	2.8%	12.8%	10.9%	6.1%	8.2%
Cooling your home less	Count	35	31	38	35	139
	Row %	25.2%	22.3%	27.3%	25.2%	100.0%
	Col %	24.3%	20.9%	25.9%	23.6%	23.7%
Cooling the same amount	Count	105	98	93	104	400
	Row %	26.2%	24.5%	23.2%	26.0%	100.0%
	Col %	72.9%	66.2%	63.3%	70.3%	68.1%
Total	Count	144	148	147	148	587
	Row %	24.5%	25.2%	25.0%	25.2%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C9. How are you cooling your home more? (PRIMARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Running central air conditioner more often	Count	0	4	2	2	8
	Row %	0.0%	50.0%	25.0%	25.0%	100.0%
	Col %	0.0%	21.1%	12.5%	22.2%	16.7%
Running room AC's more often	Count	2	4	2	2	10
	Row %	20.0%	40.0%	20.0%	20.0%	100.0%
	Col %	50.0%	21.1%	12.5%	22.2%	20.8%
Lowered the temperature on the thermostat	Count	1	0	2	0	3
	Row %	33.3%	0.0%	66.7%	0.0%	100.0%
	Col %	25.0%	0.0%	12.5%	0.0%	6.2%
Running fans more often	Count	0	3	2	3	8
	Row %	0.0%	37.5%	25.0%	37.5%	100.0%
	Col %	0.0%	15.8%	12.5%	33.3%	16.7%
Running evaporative cooler / 'swamp cooler' more often	Count	1	4	2	0	7
	Row %	14.3%	57.1%	28.6%	0.0%	100.0%
	Col %	25.0%	21.1%	12.5%	0.0%	14.6%
Opened more windows / windows opened longer	Count	0	3	1	1	5
	Row %	0.0%	60.0%	20.0%	20.0%	100.0%
	Col %	0.0%	15.8%	6.2%	11.1%	10.4%
Using shades on windows more often	Count	0	0	2	0	2
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	12.5%	0.0%	4.2%
more insulation/weather-stripping	Count	0	0	2	1	3
	Row %	0.0%	0.0%	66.7%	33.3%	100.0%
	Col %	0.0%	0.0%	12.5%	11.1%	6.2%

closed windows/doors	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
turn off lights	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
keeping doors closed in the morning	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	6.2%	0.0%	2.1%
turned off furnace / pilot	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	5.3%	0.0%	0.0%	2.1%
No other cooling methods	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	4	19	16	9	48
	Row %	8.3%	39.6%	33.3%	18.8%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C9a. Are there any other ways that you're cooling your home more? (SECONDARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Running central air conditioner more often	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Running room AC's more often	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Lowered the temperature on the thermostat	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	5.3%	0.0%	0.0%	2.1%
Running fans more often	Count	1	1	1	1	4
	Row %	25.0%	25.0%	25.0%	25.0%	100.0%
	Col %	25.0%	5.3%	6.2%	11.1%	8.3%
Running evaporative cooler / 'swamp cooler' more often	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Opened more windows / windows opened longer	Count	1	2	1	0	4
	Row %	25.0%	50.0%	25.0%	0.0%	100.0%
	Col %	25.0%	10.5%	6.2%	0.0%	8.3%
Using shades on windows more often	Count	0	4	2	0	6
	Row %	0.0%	66.7%	33.3%	0.0%	100.0%
	Col %	0.0%	21.1%	12.5%	0.0%	12.5%
more insulation/weather-stripping	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	6.2%	0.0%	2.1%

closed windows/doors	Count	0	0	2	0	2
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	12.5%	0.0%	4.2%
turn off lights	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	5.3%	0.0%	0.0%	2.1%
keeping doors closed in the morning	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
turned off furnace / pilot	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
No other cooling methods	Count	2	10	9	8	29
	Row %	6.9%	34.5%	31.0%	27.6%	100.0%
	Col %	50.0%	52.6%	56.2%	88.9%	60.4%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	4	19	16	9	48
	Row %	8.3%	39.6%	33.3%	18.8%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

C10. Why are you cooling your home more now? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Hotter weather now than before	Count	4	10	4	6	24
	Row %	16.7%	41.7%	16.7%	25.0%	100.0%
	Col %	100.0%	52.6%	25.0%	66.7%	50.0%
New system works better	Count	0	1	1	0	2
	Row %	0.0%	50.0%	50.0%	0.0%	100.0%
	Col %	0.0%	5.3%	6.2%	0.0%	4.2%
Old system was not functioning at all	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Now have disabled or elderly person at home during the day	Count	0	1	1	0	2
	Row %	0.0%	50.0%	50.0%	0.0%	100.0%
	Col %	0.0%	5.3%	6.2%	0.0%	4.2%
Lost job, now home during the day	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Working at home more now	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Family members want home cooler	Count	0	3	1	0	4
	Row %	0.0%	75.0%	25.0%	0.0%	100.0%
	Col %	0.0%	15.8%	6.2%	0.0%	8.3%
Am making more money now, can afford to keep house cooler	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%

Have new baby/children/pets	Count	0	3	3	0	6
	Row %	0.0%	50.0%	50.0%	0.0%	100.0%
	Col %	0.0%	15.8%	18.8%	0.0%	12.5%
new system is more cost efficient	Count	0	2	1	1	4
	Row %	0.0%	50.0%	25.0%	25.0%	100.0%
	Col %	0.0%	10.5%	6.2%	11.1%	8.3%
new insulation/weatherstripping make the house cooler	Count	0	0	3	0	3
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	18.8%	0.0%	6.2%
new swamp cooler does not cool as well as the previous one	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	5.3%	0.0%	0.0%	2.1%
home more now	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	6.2%	0.0%	2.1%
new swamp cooler does not cool as well as the previous one	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	1	1	2	4
	Row %	0.0%	25.0%	25.0%	50.0%	100.0%
	Col %	0.0%	5.3%	6.2%	22.2%	8.3%
Total	Count	4	19	16	9	48
	Row %	8.3%	39.6%	33.3%	18.8%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H1. Which of the following best describes the primary way you heat your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Gas furnace	Count	76	91	101	75	343
	Row %	22.2%	26.5%	29.4%	21.9%	100.0%
	Col %	51.4%	61.5%	69.7%	50.3%	58.1%
Electric forced air furnace	Count	22	18	17	23	80
	Row %	27.5%	22.5%	21.2%	28.8%	100.0%
	Col %	14.9%	12.2%	11.7%	15.4%	13.6%
Electric Heat Pump	Count	2	1	3	5	11
	Row %	18.2%	9.1%	27.3%	45.5%	100.0%
	Col %	1.4%	0.7%	2.1%	3.4%	1.9%
Electric Space Heater	Count	18	18	8	16	60
	Row %	30.0%	30.0%	13.3%	26.7%	100.0%
	Col %	12.2%	12.2%	5.5%	10.7%	10.2%
No Heat	Count	7	13	9	23	52
	Row %	13.5%	25.0%	17.3%	44.2%	100.0%
	Col %	4.7%	8.8%	6.2%	15.4%	8.8%
Wood stove	Count	6	0	2	0	8
	Row %	75.0%	0.0%	25.0%	0.0%	100.0%
	Col %	4.1%	0.0%	1.4%	0.0%	1.4%
Fireplace	Count	8	3	2	2	15
	Row %	53.3%	20.0%	13.3%	13.3%	100.0%
	Col %	5.4%	2.0%	1.4%	1.3%	2.5%
Cook stove/oven	Count	0	2	0	0	2
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	1.4%	0.0%	0.0%	0.3%
Electric baseboard heater	Count	2	0	0	0	2
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	1.4%	0.0%	0.0%	0.0%	0.3%

electric wall heater	Count	1	0	1	1	3
	Row %	33.3%	0.0%	33.3%	33.3%	100.0%
	Col %	0.7%	0.0%	0.7%	0.7%	0.5%
electric ceiling radiant	Count	0	1	0	2	3
	Row %	0.0%	33.3%	0.0%	66.7%	100.0%
	Col %	0.0%	0.7%	0.0%	1.3%	0.5%
propane	Count	3	0	0	0	3
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	2.0%	0.0%	0.0%	0.0%	0.5%
gas wall heater	Count	0	1	1	0	2
	Row %	0.0%	50.0%	50.0%	0.0%	100.0%
	Col %	0.0%	0.7%	0.7%	0.0%	0.3%
gas space heater	Count	0	0	1	1	2
	Row %	0.0%	0.0%	50.0%	50.0%	100.0%
	Col %	0.0%	0.0%	0.7%	0.7%	0.3%
chimney	Count	1	0	0	1	2
	Row %	50.0%	0.0%	0.0%	50.0%	100.0%
	Col %	0.7%	0.0%	0.0%	0.7%	0.3%
central heating unspecified	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	0.7%	0.0%	0.0%	0.0%	0.2%
kerosene/heating oil	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	0.7%	0.0%	0.0%	0.0%	0.2%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	148	148	145	149	590
	Row %	25.1%	25.1%	24.6%	25.3%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H2. Did your participation in the ESA program cause you to change the way you heat your home?

BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	18	18	16	13	65
	Row %	27.7%	27.7%	24.6%	20.0%	100.0%
	Col %	12.7%	13.3%	11.3%	10.2%	11.9%
No	Count	124	117	126	115	482
	Row %	25.7%	24.3%	26.1%	23.9%	100.0%
	Col %	87.3%	86.7%	88.7%	89.8%	88.1%
Total	Count	142	135	142	128	547
	Row %	26.0%	24.7%	26.0%	23.4%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H2a. Did you receive that new heating equipment as part of the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	1	8	6	7	22
	Row %	4.5%	36.4%	27.3%	31.8%	100.0%
	Col %	6.7%	44.4%	40.0%	58.3%	36.7%
No	Count	14	10	9	5	38
	Row %	36.8%	26.3%	23.7%	13.2%	100.0%
	Col %	93.3%	55.6%	60.0%	41.7%	63.3%
Total	Count	15	18	15	12	60
	Row %	25.0%	30.0%	25.0%	20.0%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H3. Before you participated in the ESA program, how did you usually heat your home? (PRIMARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Gas furnace	Count	9	11	10	5	35
	Row %	25.7%	31.4%	28.6%	14.3%	100.0%
	Col %	47.4%	61.1%	62.5%	41.7%	53.8%
Electric forced air furnace	Count	1	0	2	1	4
	Row %	25.0%	0.0%	50.0%	25.0%	100.0%
	Col %	5.3%	0.0%	12.5%	8.3%	6.2%
Electric Heat Pump	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	5.6%	0.0%	0.0%	1.5%
Electric Space Heater	Count	2	3	2	5	12
	Row %	16.7%	25.0%	16.7%	41.7%	100.0%
	Col %	10.5%	16.7%	12.5%	41.7%	18.5%
No Heat	Count	0	0	2	1	3
	Row %	0.0%	0.0%	66.7%	33.3%	100.0%
	Col %	0.0%	0.0%	12.5%	8.3%	4.6%
Propane	Count	3	0	0	0	3
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	15.8%	0.0%	0.0%	0.0%	4.6%
Fireplace	Count	1	3	0	0	4
	Row %	25.0%	75.0%	0.0%	0.0%	100.0%
	Col %	5.3%	16.7%	0.0%	0.0%	6.2%
Kerosene	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	5.3%	0.0%	0.0%	0.0%	1.5%
Oven/stove top	Count	2	0	0	0	2
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	10.5%	0.0%	0.0%	0.0%	3.1%

Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	19	18	16	12	65
	Row %	29.2%	27.7%	24.6%	18.5%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H3A. Are there any other methods you used to heat your home before you participated in the ESA program? (SECONDARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Gas furnace	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Electric forced air furnace	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Electric Heat Pump	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Electric Space Heater	Count	2	4	2	2	10
	Row %	20.0%	40.0%	20.0%	20.0%	100.0%
	Col %	10.5%	20.0%	14.3%	16.7%	15.4%
Propane	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Fireplace	Count	1	0	1	0	2
	Row %	50.0%	0.0%	50.0%	0.0%	100.0%
	Col %	5.3%	0.0%	7.1%	0.0%	3.1%
Kerosene	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Oven/stove top	Count	1	0	0	2	3
	Row %	33.3%	0.0%	0.0%	66.7%	100.0%
	Col %	5.3%	0.0%	0.0%	16.7%	4.6%

open the window to make the heat come in & close the curtains to trap the heat in the house	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	5.3%	0.0%	0.0%	0.0%	1.5%
Gas space heater	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	5.3%	0.0%	0.0%	0.0%	1.5%
No other heating methods	Count	12	16	11	8	47
	Row %	25.5%	34.0%	23.4%	17.0%	100.0%
	Col %	63.2%	80.0%	78.6%	66.7%	72.3%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	5.3%	0.0%	0.0%	0.0%	1.5%
Total	Count	19	20	14	12	65
	Row %	29.2%	30.8%	21.5%	18.5%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H4. Why did you change the way you heat your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Save energy/new ones more efficient	Count	2	3	0	0	5
	Row %	40.0%	60.0%	0.0%	0.0%	100.0%
	Col %	11.1%	27.3%	0.0%	0.0%	11.1%
Save money	Count	6	3	2	2	13
	Row %	46.2%	23.1%	15.4%	15.4%	100.0%
	Col %	33.3%	27.3%	20.0%	33.3%	28.9%
Previous heater was old & inefficient/broke down	Count	5	0	4	0	9
	Row %	55.6%	0.0%	44.4%	0.0%	100.0%
	Col %	27.8%	0.0%	40.0%	0.0%	20.0%
After ESA service, could heat better with less	Count	3	0	0	1	4
	Row %	75.0%	0.0%	0.0%	25.0%	100.0%
	Col %	16.7%	0.0%	0.0%	16.7%	8.9%
Heater got fixed so could use it	Count	0	2	0	1	3
	Row %	0.0%	66.7%	0.0%	33.3%	100.0%
	Col %	0.0%	18.2%	0.0%	16.7%	6.7%
To make home more comfortable	Count	2	3	1	0	6
	Row %	33.3%	50.0%	16.7%	0.0%	100.0%
	Col %	11.1%	27.3%	10.0%	0.0%	13.3%
They turned off/red-tagged my furnace	Count	0	1	1	1	3
	Row %	0.0%	33.3%	33.3%	33.3%	100.0%
	Col %	0.0%	9.1%	10.0%	16.7%	6.7%
Just heat rooms we're using, not whole house	Count	0	0	1	1	2
	Row %	0.0%	0.0%	50.0%	50.0%	100.0%
	Col %	0.0%	0.0%	10.0%	16.7%	4.4%

DK	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	10.0%	0.0%	2.2%
Total	Count	18	11	10	6	45
	Row %	40.0%	24.4%	22.2%	13.3%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H5. Since you participated in the ESA program, would you say you are . . . ? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Heating your home more	Count	16	10	15	9	50
	Row %	32.0%	20.0%	30.0%	18.0%	100.0%
	Col %	11.4%	7.5%	10.9%	7.3%	9.3%
Heating your home less	Count	47	44	42	40	173
	Row %	27.2%	25.4%	24.3%	23.1%	100.0%
	Col %	33.6%	32.8%	30.4%	32.3%	32.3%
Heating the same amount	Count	77	80	81	75	313
	Row %	24.6%	25.6%	25.9%	24.0%	100.0%
	Col %	55.0%	59.7%	58.7%	60.5%	58.4%
Total	Count	140	134	138	124	536
	Row %	26.1%	25.0%	25.7%	23.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H6. How are you heating your home more? (PRIMARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Running furnace more often	Count	7	5	4	5	21
	Row %	33.3%	23.8%	19.0%	23.8%	100.0%
	Col %	43.8%	55.6%	28.6%	55.6%	43.8%
Running heat pump often	Count	0	0	0	1	1
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	11.1%	2.1%
Increased the temperature on the thermostat	Count	4	0	1	2	7
	Row %	57.1%	0.0%	14.3%	28.6%	100.0%
	Col %	25.0%	0.0%	7.1%	22.2%	14.6%
Using space heaters more often	Count	5	3	6	1	15
	Row %	33.3%	20.0%	40.0%	6.7%	100.0%
	Col %	31.2%	33.3%	42.9%	11.1%	31.2%
close up house more	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	7.1%	0.0%	2.1%
wasn't heating before/heater didn't work	Count	0	1	2	0	3
	Row %	0.0%	33.3%	66.7%	0.0%	100.0%
	Col %	0.0%	11.1%	14.3%	0.0%	6.2%
Use oven to heat more	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	16	9	14	9	48
	Row %	33.3%	18.8%	29.2%	18.8%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H6A. Are there any other ways that you're heating your home more? (SECONDARY) BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Running furnace more often	Count	2	1	0	0	3
	Row %	66.7%	33.3%	0.0%	0.0%	100.0%
	Col %	12.5%	11.1%	0.0%	0.0%	6.2%
Running heat pump often	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Increased the temperature on the thermostat	Count	1	1	0	0	2
	Row %	50.0%	50.0%	0.0%	0.0%	100.0%
	Col %	6.2%	11.1%	0.0%	0.0%	4.2%
Using space heaters more often	Count	2	1	1	1	5
	Row %	40.0%	20.0%	20.0%	20.0%	100.0%
	Col %	12.5%	11.1%	7.1%	11.1%	10.4%
close up house more	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
wasn't heating before/heater didn't work	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Use oven to heat more	Count	1	1	1	0	3
	Row %	33.3%	33.3%	33.3%	0.0%	100.0%
	Col %	6.2%	11.1%	7.1%	0.0%	6.2%
No other heating methods	Count	10	5	12	8	35
	Row %	28.6%	14.3%	34.3%	22.9%	100.0%
	Col %	62.5%	55.6%	85.7%	88.9%	72.9%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%

Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	16	9	14	9	48
	Row %	33.3%	18.8%	29.2%	18.8%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

H7. Why are you heating your home more now? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Colder weather now than before	Count	6	3	8	5	22
	Row %	27.3%	13.6%	36.4%	22.7%	100.0%
	Col %	37.5%	30.0%	53.3%	55.6%	44.0%
New system works better	Count	0	1	0	1	2
	Row %	0.0%	50.0%	0.0%	50.0%	100.0%
	Col %	0.0%	10.0%	0.0%	11.1%	4.0%
Old system was not functioning at all/didn't have one	Count	0	3	2	2	7
	Row %	0.0%	42.9%	28.6%	28.6%	100.0%
	Col %	0.0%	30.0%	13.3%	22.2%	14.0%
Now have disabled or elderly person at home during the day	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	6.7%	0.0%	2.0%
Lost job, now home during the day	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Working at home more now	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Family members want home warmer	Count	3	1	1	0	5
	Row %	60.0%	20.0%	20.0%	0.0%	100.0%
	Col %	18.8%	10.0%	6.7%	0.0%	10.0%
Am making more money now, can afford to keep house warmer	Count	1	1	0	0	2
	Row %	50.0%	50.0%	0.0%	0.0%	100.0%
	Col %	6.2%	10.0%	0.0%	0.0%	4.0%

House is less drafty now, house stays warmer	Count	2	1	1	0	4
	Row %	50.0%	25.0%	25.0%	0.0%	100.0%
	Col %	12.5%	10.0%	6.7%	0.0%	8.0%
have new baby/children/pets	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	6.7%	0.0%	2.0%
getting old and ill	Count	3	0	1	1	5
	Row %	60.0%	0.0%	20.0%	20.0%	100.0%
	Col %	18.8%	0.0%	6.7%	11.1%	10.0%
realize it doesn't cost as much to heat as I thought	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	10.0%	0.0%	0.0%	2.0%
it's an old house	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	6.2%	0.0%	0.0%	0.0%	2.0%
an extra person living in home	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	6.2%	0.0%	0.0%	0.0%	2.0%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	16	10	15	9	50
	Row %	32.0%	20.0%	30.0%	18.0%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G1. Since your involvement with the ESA program, have you added or replaced any of the following items to your home? BY

Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Stove	Count	14	14	13	12	53
	Row %	26.4%	26.4%	24.5%	22.6%	100.0%
	Col %	13.2%	13.3%	11.7%	10.6%	12.2%
Microwave	Count	15	21	19	25	80
	Row %	18.8%	26.2%	23.8%	31.2%	100.0%
	Col %	14.2%	20.0%	17.1%	22.1%	18.4%
Water Heater	Count	17	19	22	12	70
	Row %	24.3%	27.1%	31.4%	17.1%	100.0%
	Col %	16.0%	18.1%	19.8%	10.6%	16.1%
Clothes Washer	Count	12	23	24	28	87
	Row %	13.8%	26.4%	27.6%	32.2%	100.0%
	Col %	11.3%	21.9%	21.6%	24.8%	20.0%
Dryer	Count	10	15	15	12	52
	Row %	19.2%	28.8%	28.8%	23.1%	100.0%
	Col %	9.4%	14.3%	13.5%	10.6%	12.0%
Dishwasher	Count	11	4	4	11	30
	Row %	36.7%	13.3%	13.3%	36.7%	100.0%
	Col %	10.4%	3.8%	3.6%	9.7%	6.9%
TV(s) - additional	Count	13	19	19	23	74
	Row %	17.6%	25.7%	25.7%	31.1%	100.0%
	Col %	12.3%	18.1%	17.1%	20.4%	17.0%
TV(s) - replaced existing	Count	41	33	41	48	163
	Row %	25.2%	20.2%	25.2%	29.4%	100.0%
	Col %	38.7%	31.4%	36.9%	42.5%	37.5%

Computer(s) - additional	Count	26	12	15	22	75
	Row %	34.7%	16.0%	20.0%	29.3%	100.0%
	Col %	24.5%	11.4%	13.5%	19.5%	17.2%
Computer(s) - replaced existing	Count	14	15	21	27	77
	Row %	18.2%	19.5%	27.3%	35.1%	100.0%
	Col %	13.2%	14.3%	18.9%	23.9%	17.7%
Refrigerator(s)	Count	22	30	28	30	110
	Row %	20.0%	27.3%	25.5%	27.3%	100.0%
	Col %	20.8%	28.6%	25.2%	26.5%	25.3%
Freezer(s)	Count	3	10	3	2	18
	Row %	16.7%	55.6%	16.7%	11.1%	100.0%
	Col %	2.8%	9.5%	2.7%	1.8%	4.1%
gas/central furnace	Count	1	1	1	1	4
	Row %	25.0%	25.0%	25.0%	25.0%	100.0%
	Col %	0.9%	1.0%	0.9%	0.9%	0.9%
AC	Count	0	2	1	0	3
	Row %	0.0%	66.7%	33.3%	0.0%	100.0%
	Col %	0.0%	1.9%	0.9%	0.0%	0.7%
swamp cooler/evap cooler	Count	1	0	2	0	3
	Row %	33.3%	0.0%	66.7%	0.0%	100.0%
	Col %	0.9%	0.0%	1.8%	0.0%	0.7%
portable heater	Count	1	1	1	2	5
	Row %	20.0%	20.0%	20.0%	40.0%	100.0%
	Col %	0.9%	1.0%	0.9%	1.8%	1.1%
air purifier/humidifier	Count	1	2	0	0	3
	Row %	33.3%	66.7%	0.0%	0.0%	100.0%
	Col %	0.9%	1.9%	0.0%	0.0%	0.7%
solar system	Count	0	0	0	1	1
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	0.9%	0.2%

ceiling fan	Count	0	0	0	2	2
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	1.8%	0.5%
window AC	Count	0	0	0	4	4
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	3.5%	0.9%
pool pump/Jacuzzi	Count	0	1	1	1	3
	Row %	0.0%	33.3%	33.3%	33.3%	100.0%
	Col %	0.0%	1.0%	0.9%	0.9%	0.7%
double paned windows	Count	0	0	0	1	1
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	0.9%	0.2%
misc. small appliances	Count	5	0	1	2	8
	Row %	62.5%	0.0%	12.5%	25.0%	100.0%
	Col %	4.7%	0.0%	0.9%	1.8%	1.8%
portable oven	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
forced air and heating unit. The air duct	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	1.0%	0.0%	0.0%	0.2%
Other (specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	2	0	0	0	2
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	1.9%	0.0%	0.0%	0.0%	0.5%
Total	Count	106	105	111	113	435
	Row %	24.4%	24.1%	25.5%	26.0%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G1_2. Did you get that Microwave as part of the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	1	0	1	6	8
	Row %	12.5%	0.0%	12.5%	75.0%	100.0%
	Col %	6.7%	0.0%	5.3%	25.0%	10.3%
No	Count	14	20	18	18	70
	Row %	20.0%	28.6%	25.7%	25.7%	100.0%
	Col %	93.3%	100.0%	94.7%	75.0%	89.7%
Total	Count	15	20	19	24	78
	Row %	19.2%	25.6%	24.4%	30.8%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G1_2. Did you get that Water Heater as part of the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	2	3	6	0	11
	Row %	18.2%	27.3%	54.5%	0.0%	100.0%
	Col %	12.5%	15.8%	30.0%	0.0%	16.9%
No	Count	14	16	14	10	54
	Row %	25.9%	29.6%	25.9%	18.5%	100.0%
	Col %	87.5%	84.2%	70.0%	100.0%	83.1%
Total	Count	16	19	20	10	65
	Row %	24.6%	29.2%	30.8%	15.4%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G1 2. Did you get that Clothes Washer as part of the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	0	11	4	11	26
	Row %	0.0%	42.3%	15.4%	42.3%	100.0%
	Col %	0.0%	47.8%	17.4%	39.3%	30.2%
No	Count	12	12	19	17	60
	Row %	20.0%	20.0%	31.7%	28.3%	100.0%
	Col %	100.0%	52.2%	82.6%	60.7%	69.8%
Total	Count	12	23	23	28	86
	Row %	14.0%	26.7%	26.7%	32.6%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G1 2. Did you get that Dryer as part of the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	7.1%	0.0%	2.0%
No	Count	10	15	13	12	50
	Row %	20.0%	30.0%	26.0%	24.0%	100.0%
	Col %	100.0%	100.0%	92.9%	100.0%	98.0%
Total	Count	10	15	14	12	51
	Row %	19.6%	29.4%	27.5%	23.5%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G1_2. Did you get that Refrigerator as part of the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	7	5	11	13	36
	Row %	19.4%	13.9%	30.6%	36.1%	100.0%
	Col %	31.8%	17.2%	39.3%	43.3%	33.0%
No	Count	15	24	17	17	73
	Row %	20.5%	32.9%	23.3%	23.3%	100.0%
	Col %	68.2%	82.8%	60.7%	56.7%	67.0%
Total	Count	22	29	28	30	109
	Row %	20.2%	26.6%	25.7%	27.5%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G1_2. Did you get that Freezer as part of the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	1	1	0	0	2
	Row %	50.0%	50.0%	0.0%	0.0%	100.0%
	Col %	33.3%	10.0%	0.0%	0.0%	11.1%
No	Count	2	9	3	2	16
	Row %	12.5%	56.2%	18.8%	12.5%	100.0%
	Col %	66.7%	90.0%	100.0%	100.0%	88.9%
Total	Count	3	10	3	2	18
	Row %	16.7%	55.6%	16.7%	11.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G2. Did your old Refrigerator / Freezer get hauled away, or is it still running somewhere in your house, basement, or garage? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Hauled away	Count	17	20	27	28	92
	Row %	18.5%	21.7%	29.3%	30.4%	100.0%
	Col %	70.8%	55.6%	90.0%	90.3%	76.0%
Still running	Count	3	2	1	1	7
	Row %	42.9%	28.6%	14.3%	14.3%	100.0%
	Col %	12.5%	5.6%	3.3%	3.2%	5.8%
Still have it in house/basement/garage but not running	Count	3	6	1	1	11
	Row %	27.3%	54.5%	9.1%	9.1%	100.0%
	Col %	12.5%	16.7%	3.3%	3.2%	9.1%
Refrigerator / Freezer is NEW, not a replacement	Count	1	8	1	1	11
	Row %	9.1%	72.7%	9.1%	9.1%	100.0%
	Col %	4.2%	22.2%	3.3%	3.2%	9.1%
Total	Count	24	36	30	31	121
	Row %	19.8%	29.8%	24.8%	25.6%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G3. How old is the older Refrigerator / Freezer BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
1-5 years	Count	0	1	0	1	2
	Row %	0.0%	50.0%	0.0%	50.0%	100.0%
	Col %	0.0%	50.0%	0.0%	100.0%	28.6%
5-10 years	Count	2	1	0	0	3
	Row %	66.7%	33.3%	0.0%	0.0%	100.0%
	Col %	66.7%	50.0%	0.0%	0.0%	42.9%
10-15 years	Count	1	0	1	0	2
	Row %	50.0%	0.0%	50.0%	0.0%	100.0%
	Col %	33.3%	0.0%	100.0%	0.0%	28.6%
15 or more years	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	3	2	1	1	7
	Row %	42.9%	28.6%	14.3%	14.3%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G4. Where is your old freezer or refrigerator plugged in? Is it in the basement, the garage, or somewhere else?

BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Basement	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Garage	Count	1	1	1	0	3
	Row %	33.3%	33.3%	33.3%	0.0%	100.0%
	Col %	33.3%	50.0%	100.0%	0.0%	42.9%
kitchen	Count	1	1	0	1	3
	Row %	33.3%	33.3%	0.0%	33.3%	100.0%
	Col %	33.3%	50.0%	0.0%	100.0%	42.9%
kitchen of our rental house	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	33.3%	0.0%	0.0%	0.0%	14.3%
Other (specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	3	2	1	1	7
	Row %	42.9%	28.6%	14.3%	14.3%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G5. Is that room insulated? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	1	1	0	0	2
	Row %	50.0%	50.0%	0.0%	0.0%	100.0%
	Col %	33.3%	50.0%	0.0%	0.0%	28.6%
No	Count	2	1	1	1	5
	Row %	40.0%	20.0%	20.0%	20.0%	100.0%
	Col %	66.7%	50.0%	100.0%	100.0%	71.4%
Total	Count	3	2	1	1	7
	Row %	42.9%	28.6%	14.3%	14.3%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G6. Are there ANY appliances in your household that you didn't use before participating in the ESA program but are using now? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	11	8	5	4	28
	Row %	39.3%	28.6%	17.9%	14.3%	100.0%
	Col %	7.3%	5.4%	3.3%	2.6%	4.7%
No	Count	139	141	145	147	572
	Row %	24.3%	24.7%	25.3%	25.7%	100.0%
	Col %	92.7%	94.6%	96.7%	97.4%	95.3%
Total	Count	150	149	150	151	600
	Row %	25.0%	24.8%	25.0%	25.2%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G7. Which of the following appliances have you started using since you participated in the program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Stove	Count	0	1	1	0	2
	Row %	0.0%	50.0%	50.0%	0.0%	100.0%
	Col %	0.0%	12.5%	20.0%	0.0%	7.1%
Microwave	Count	0	2	0	0	2
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	25.0%	0.0%	0.0%	7.1%
Water Heater	Count	0	3	1	0	4
	Row %	0.0%	75.0%	25.0%	0.0%	100.0%
	Col %	0.0%	37.5%	20.0%	0.0%	14.3%
Washer	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	20.0%	0.0%	3.6%
Dryer	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	12.5%	0.0%	0.0%	3.6%
Dishwasher	Count	2	0	0	0	2
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	18.2%	0.0%	0.0%	0.0%	7.1%
TV	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	9.1%	0.0%	0.0%	0.0%	3.6%
Computer	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%

Refrigerators	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	9.1%	0.0%	0.0%	0.0%	3.6%
Freezers	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	9.1%	0.0%	0.0%	0.0%	3.6%
gas/central furnace	Count	1	0	1	2	4
	Row %	25.0%	0.0%	25.0%	50.0%	100.0%
	Col %	9.1%	0.0%	20.0%	50.0%	14.3%
AC	Count	0	0	1	1	2
	Row %	0.0%	0.0%	50.0%	50.0%	100.0%
	Col %	0.0%	0.0%	20.0%	25.0%	7.1%
swamp cooler/evap cooler	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
portable heater	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	20.0%	0.0%	3.6%
air purifier/humidifier	Count	1	1	0	1	3
	Row %	33.3%	33.3%	0.0%	33.3%	100.0%
	Col %	9.1%	12.5%	0.0%	25.0%	10.7%
solar system	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
ceiling fan	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	9.1%	0.0%	0.0%	0.0%	3.6%
window AC	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%

pool pump/Jacuzzi	Count	1	1	0	0	2
	Row %	50.0%	50.0%	0.0%	0.0%	100.0%
	Col %	9.1%	12.5%	0.0%	0.0%	7.1%
double paned windows	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
misc. small appliances	Count	4	1	0	0	5
	Row %	80.0%	20.0%	0.0%	0.0%	100.0%
	Col %	36.4%	12.5%	0.0%	0.0%	17.9%
portable oven	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	12.5%	0.0%	0.0%	3.6%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	11	8	5	4	28
	Row %	39.3%	28.6%	17.9%	14.3%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G8. Do you own or rent your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Own	Count	108	107	119	87	421
	Row %	25.7%	25.4%	28.3%	20.7%	100.0%
	Col %	73.0%	71.8%	78.8%	57.6%	70.3%
Rent	Count	40	42	32	64	178
	Row %	22.5%	23.6%	18.0%	36.0%	100.0%
	Col %	27.0%	28.2%	21.2%	42.4%	29.7%
Total	Count	148	149	151	151	599
	Row %	24.7%	24.9%	25.2%	25.2%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

G9. Does your landlord pay for any portion of the electric & gas utilities? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	2	3	2	3	10
	Row %	20.0%	30.0%	20.0%	30.0%	100.0%
	Col %	5.0%	7.1%	6.2%	4.8%	5.6%
No	Count	38	39	30	60	167
	Row %	22.8%	23.4%	18.0%	35.9%	100.0%
	Col %	95.0%	92.9%	93.8%	95.2%	94.4%
Total	Count	40	42	32	63	177
	Row %	22.6%	23.7%	18.1%	35.6%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

O1. Has the number of people living in your home changed since you participated in the ESA program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Increased	Count	14	20	16	17	67
	Row %	20.9%	29.9%	23.9%	25.4%	100.0%
	Col %	9.5%	13.4%	10.6%	11.3%	11.2%
Decreased	Count	4	9	6	7	26
	Row %	15.4%	34.6%	23.1%	26.9%	100.0%
	Col %	2.7%	6.0%	4.0%	4.7%	4.3%
Stayed the same	Count	130	120	129	126	505
	Row %	25.7%	23.8%	25.5%	25.0%	100.0%
	Col %	87.8%	80.5%	85.4%	84.0%	84.4%
Total	Count	148	149	151	150	598
	Row %	24.7%	24.9%	25.3%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

O2. By how many did your household increase/decrease? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
1	Count	11	22	13	15	61
	Row %	18.0%	36.1%	21.3%	24.6%	100.0%
	Col %	61.1%	78.6%	59.1%	62.5%	66.3%
2	Count	5	3	6	6	20
	Row %	25.0%	15.0%	30.0%	30.0%	100.0%
	Col %	27.8%	10.7%	27.3%	25.0%	21.7%
3	Count	1	1	1	1	4
	Row %	25.0%	25.0%	25.0%	25.0%	100.0%
	Col %	5.6%	3.6%	4.5%	4.2%	4.3%
4	Count	1	2	0	0	3
	Row %	33.3%	66.7%	0.0%	0.0%	100.0%
	Col %	5.6%	7.1%	0.0%	0.0%	3.3%
5	Count	0	0	2	2	4
	Row %	0.0%	0.0%	50.0%	50.0%	100.0%
	Col %	0.0%	0.0%	9.1%	8.3%	4.3%
Total	Count	18	28	22	24	92
	Row %	19.6%	30.4%	23.9%	26.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
O2. Statistics	Mean	1.6	1.4	1.7	1.7	1.6
	Median	1.0	1.0	1.0	1.0	1.0

O2a. How many people currently live in your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
1	Count	47	22	30	36	135
	Row %	34.8%	16.3%	22.2%	26.7%	100.0%
	Col %	32.2%	14.8%	20.0%	24.0%	22.7%
2	Count	35	32	34	31	132
	Row %	26.5%	24.2%	25.8%	23.5%	100.0%
	Col %	24.0%	21.5%	22.7%	20.7%	22.2%
3	Count	16	23	18	22	79
	Row %	20.3%	29.1%	22.8%	27.8%	100.0%
	Col %	11.0%	15.4%	12.0%	14.7%	13.3%
4	Count	19	33	30	24	106
	Row %	17.9%	31.1%	28.3%	22.6%	100.0%
	Col %	13.0%	22.1%	20.0%	16.0%	17.8%
5	Count	10	15	23	17	65
	Row %	15.4%	23.1%	35.4%	26.2%	100.0%
	Col %	6.8%	10.1%	15.3%	11.3%	10.9%
6	Count	13	16	9	12	50
	Row %	26.0%	32.0%	18.0%	24.0%	100.0%
	Col %	8.9%	10.7%	6.0%	8.0%	8.4%
7	Count	5	4	3	3	15
	Row %	33.3%	26.7%	20.0%	20.0%	100.0%
	Col %	3.4%	2.7%	2.0%	2.0%	2.5%
8	Count	1	3	2	2	8
	Row %	12.5%	37.5%	25.0%	25.0%	100.0%
	Col %	0.7%	2.0%	1.3%	1.3%	1.3%

9	Count	0	1	1	1	3
	Row %	0.0%	33.3%	33.3%	33.3%	100.0%
	Col %	0.0%	0.7%	0.7%	0.7%	0.5%
10	Count	0	0	0	2	2
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	1.3%	0.3%
Total	Count	146	149	150	150	595
	Row %	24.5%	25.0%	25.2%	25.2%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
O22. Statistics	Mean	2.8	3.5	3.2	3.2	3.2
	Median	2.0	3.0	3.0	3.0	3.0

O3. How many people over the age of 65 currently live in your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
0	Count	77	89	77	86	329
	Row %	23.4%	27.1%	23.4%	26.1%	100.0%
	Col %	52.0%	59.7%	51.7%	57.3%	55.2%
1	Count	50	40	50	50	190
	Row %	26.3%	21.1%	26.3%	26.3%	100.0%
	Col %	33.8%	26.8%	33.6%	33.3%	31.9%
2	Count	20	19	22	12	73
	Row %	27.4%	26.0%	30.1%	16.4%	100.0%
	Col %	13.5%	12.8%	14.8%	8.0%	12.2%
3	Count	1	1	0	2	4
	Row %	25.0%	25.0%	0.0%	50.0%	100.0%
	Col %	0.7%	0.7%	0.0%	1.3%	0.7%
Total	Count	148	149	149	150	596
	Row %	24.8%	25.0%	25.0%	25.2%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
O3. Statistics	Mean	.6	.5	.6	.5	.6
	Median	.0	.0	.0	.0	.0

O4. How many people under the age of 2 currently live in your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
0	Count	103	108	103	112	426
	Row %	24.2%	25.4%	24.2%	26.3%	100.0%
	Col %	88.8%	83.1%	88.8%	91.1%	87.8%
1	Count	10	17	10	11	48
	Row %	20.8%	35.4%	20.8%	22.9%	100.0%
	Col %	8.6%	13.1%	8.6%	8.9%	9.9%
2	Count	1	4	3	0	8
	Row %	12.5%	50.0%	37.5%	0.0%	100.0%
	Col %	0.9%	3.1%	2.6%	0.0%	1.6%
3	Count	1	1	0	0	2
	Row %	50.0%	50.0%	0.0%	0.0%	100.0%
	Col %	0.9%	0.8%	0.0%	0.0%	0.4%
6	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	0.9%	0.0%	0.0%	0.0%	0.2%
Total	Count	116	130	116	123	485
	Row %	23.9%	26.8%	23.9%	25.4%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
O4. Statistics	Mean	.2	.2	.1	.1	.2
	Median	.0	.0	.0	.0	.0

**05. Has the number of people that stay at home during the day changed since you participated in the
ESA program? BY Utility**

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes, increased	Count	14	16	18	14	62
	Row %	22.6%	25.8%	29.0%	22.6%	100.0%
	Col %	9.5%	10.7%	12.2%	9.5%	10.5%
No	Count	132	128	122	125	507
	Row %	26.0%	25.2%	24.1%	24.7%	100.0%
	Col %	89.8%	85.9%	83.0%	84.5%	85.8%
Yes, decreased	Count	1	5	7	9	22
	Row %	4.5%	22.7%	31.8%	40.9%	100.0%
	Col %	0.7%	3.4%	4.8%	6.1%	3.7%
Total	Count	147	149	147	148	591
	Row %	24.9%	25.2%	24.9%	25.0%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

**O6_1. How many more people stay at home during the day since you participated in the ESA
Program? BY Utility**

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
1	Count	12	6	11	7	36
	Row %	33.3%	16.7%	30.6%	19.4%	100.0%
	Col %	85.7%	37.5%	64.7%	50.0%	59.0%
2	Count	2	7	3	1	13
	Row %	15.4%	53.8%	23.1%	7.7%	100.0%
	Col %	14.3%	43.8%	17.6%	7.1%	21.3%
3	Count	0	3	2	2	7
	Row %	0.0%	42.9%	28.6%	28.6%	100.0%
	Col %	0.0%	18.8%	11.8%	14.3%	11.5%
4	Count	0	0	1	4	5
	Row %	0.0%	0.0%	20.0%	80.0%	100.0%
	Col %	0.0%	0.0%	5.9%	28.6%	8.2%
Total	Count	14	16	17	14	61
	Row %	23.0%	26.2%	27.9%	23.0%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
O6_1. Statistics	Mean	1.1	1.8	1.6	2.2	1.7
	Median	1.0	2.0	1.0	1.5	1.0

O6_2. How many fewer people stay at home during the day since you participated in the ESA Program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
1	Count	1	3	4	8	16
	Row %	6.2%	18.8%	25.0%	50.0%	100.0%
	Col %	100.0%	60.0%	57.1%	88.9%	72.7%
2	Count	0	2	2	1	5
	Row %	0.0%	40.0%	40.0%	20.0%	100.0%
	Col %	0.0%	40.0%	28.6%	11.1%	22.7%
3	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	14.3%	0.0%	4.5%
Total	Count	1	5	7	9	22
	Row %	4.5%	22.7%	31.8%	40.9%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%
O6_2. Statistics	Mean	1.0	1.4	1.6	1.1	1.3
	Median	1.0	1.0	1.0	1.0	1.0

O7_1. What is the reason for more people staying at home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Lost job	Count	0	4	4	2	10
	Row %	0.0%	40.0%	40.0%	20.0%	100.0%
	Col %	0.0%	25.0%	22.2%	14.3%	16.1%
Caring for children/New baby	Count	4	9	4	4	21
	Row %	19.0%	42.9%	19.0%	19.0%	100.0%
	Col %	28.6%	56.2%	22.2%	28.6%	33.9%
Elderly parents moved in	Count	1	0	2	2	5
	Row %	20.0%	0.0%	40.0%	40.0%	100.0%
	Col %	7.1%	0.0%	11.1%	14.3%	8.1%
Working at home more	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	6.2%	0.0%	0.0%	1.6%
Retired	Count	2	1	3	0	6
	Row %	33.3%	16.7%	50.0%	0.0%	100.0%
	Col %	14.3%	6.2%	16.7%	0.0%	9.7%
Disabled	Count	2	0	2	1	5
	Row %	40.0%	0.0%	40.0%	20.0%	100.0%
	Col %	14.3%	0.0%	11.1%	7.1%	8.1%
adult kids/other people moved in	Count	3	1	4	5	13
	Row %	23.1%	7.7%	30.8%	38.5%	100.0%
	Col %	21.4%	6.2%	22.2%	35.7%	21.0%
going to school/worked at night now	Count	1	1	0	1	3
	Row %	33.3%	33.3%	0.0%	33.3%	100.0%
	Col %	7.1%	6.2%	0.0%	7.1%	4.8%

kids graduated/out of school/now home more	Count	1	2	0	0	3
	Row %	33.3%	66.7%	0.0%	0.0%	100.0%
	Col %	7.1%	12.5%	0.0%	0.0%	4.8%
Family moving	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	6.2%	0.0%	0.0%	1.6%
visitors stay at the place during the day	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	5.6%	0.0%	1.6%
Refused	Count	0	0	1	1	2
	Row %	0.0%	0.0%	50.0%	50.0%	100.0%
	Col %	0.0%	0.0%	5.6%	7.1%	3.2%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Total	Count	14	16	18	14	62
	Row %	22.6%	25.8%	29.0%	22.6%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

O7_2. What is the reason for fewer people staying at home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Found a job	Count	0	2	4	2	8
	Row %	0.0%	25.0%	50.0%	25.0%	100.0%
	Col %	0.0%	40.0%	57.1%	22.2%	36.4%
Went back to school	Count	0	2	1	6	9
	Row %	0.0%	22.2%	11.1%	66.7%	100.0%
	Col %	0.0%	40.0%	14.3%	66.7%	40.9%
people moved out	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	14.3%	0.0%	4.5%
Died	Count	1	0	2	1	4
	Row %	25.0%	0.0%	50.0%	25.0%	100.0%
	Col %	100.0%	0.0%	28.6%	11.1%	18.2%
change of work schedule/work nights	Count	0	0	0	1	1
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	11.1%	4.5%
Refused	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Other (Specify)	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
Don't Know	Count	0	1	0	0	1
	Row %	0.0%	100.0%	0.0%	0.0%	100.0%
	Col %	0.0%	20.0%	0.0%	0.0%	4.5%
Total	Count	1	5	7	9	22
	Row %	4.5%	22.7%	31.8%	40.9%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

HC1. When was your home built? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
In the last 10 years (since 2000)	Count	12	9	6	10	37
	Row %	32.4%	24.3%	16.2%	27.0%	100.0%
	Col %	8.9%	6.9%	4.6%	8.6%	7.2%
In the 1990's	Count	8	15	11	9	43
	Row %	18.6%	34.9%	25.6%	20.9%	100.0%
	Col %	5.9%	11.5%	8.5%	7.8%	8.4%
In the 1980's	Count	23	22	20	21	86
	Row %	26.7%	25.6%	23.3%	24.4%	100.0%
	Col %	17.0%	16.9%	15.4%	18.1%	16.8%
In the 1970's	Count	18	23	14	30	85
	Row %	21.2%	27.1%	16.5%	35.3%	100.0%
	Col %	13.3%	17.7%	10.8%	25.9%	16.6%
In the 1960's	Count	19	20	18	17	74
	Row %	25.7%	27.0%	24.3%	23.0%	100.0%
	Col %	14.1%	15.4%	13.8%	14.7%	14.5%
In the 1950's	Count	20	23	34	16	93
	Row %	21.5%	24.7%	36.6%	17.2%	100.0%
	Col %	14.8%	17.7%	26.2%	13.8%	18.2%
In the 1940's	Count	14	10	13	6	43
	Row %	32.6%	23.3%	30.2%	14.0%	100.0%
	Col %	10.4%	7.7%	10.0%	5.2%	8.4%
Before 1940	Count	21	8	14	7	50
	Row %	42.0%	16.0%	28.0%	14.0%	100.0%
	Col %	15.6%	6.2%	10.8%	6.0%	9.8%
Total	Count	135	130	130	116	511
	Row %	26.4%	25.4%	25.4%	22.7%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

HC2. Which of the following categories includes the size of your home? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Less than 500 square feet	Count	10	9	4	10	33
	Row %	30.3%	27.3%	12.1%	30.3%	100.0%
	Col %	6.7%	6.0%	2.6%	6.6%	5.5%
Between 500 and 1000 square feet	Count	28	24	23	31	106
	Row %	26.4%	22.6%	21.7%	29.2%	100.0%
	Col %	18.7%	16.0%	15.2%	20.5%	17.6%
Between 1000 and 1500 square feet	Count	45	49	41	39	174
	Row %	25.9%	28.2%	23.6%	22.4%	100.0%
	Col %	30.0%	32.7%	27.2%	25.8%	28.9%
Between 1500 and 2000 square feet	Count	28	21	28	27	104
	Row %	26.9%	20.2%	26.9%	26.0%	100.0%
	Col %	18.7%	14.0%	18.5%	17.9%	17.3%
Between 2000 and 2500 square feet	Count	6	7	6	2	21
	Row %	28.6%	33.3%	28.6%	9.5%	100.0%
	Col %	4.0%	4.7%	4.0%	1.3%	3.5%
Between 2500 and 3000 square feet	Count	4	1	3	3	11
	Row %	36.4%	9.1%	27.3%	27.3%	100.0%
	Col %	2.7%	0.7%	2.0%	2.0%	1.8%
More than 3,000 square feet	Count	0	2	1	1	4
	Row %	0.0%	50.0%	25.0%	25.0%	100.0%
	Col %	0.0%	1.3%	0.7%	0.7%	0.7%

Refused	Count	1	1	2	3	7
	Row %	14.3%	14.3%	28.6%	42.9%	100.0%
	Col %	0.7%	0.7%	1.3%	2.0%	1.2%
Don't Know	Count	28	36	43	35	142
	Row %	19.7%	25.4%	30.3%	24.6%	100.0%
	Col %	18.7%	24.0%	28.5%	23.2%	23.6%
Total	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

HC3. Have you done any remodeling or renovating since the program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes	Count	12	20	14	27	73
	Row %	16.4%	27.4%	19.2%	37.0%	100.0%
	Col %	8.1%	13.4%	9.5%	18.4%	12.3%
No	Count	137	129	134	120	520
	Row %	26.3%	24.8%	25.8%	23.1%	100.0%
	Col %	91.9%	86.6%	90.5%	81.6%	87.7%
Total	Count	149	149	148	147	593
	Row %	25.1%	25.1%	25.0%	24.8%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

HC4. Did Square Footage increase or decrease? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Yes, Increased	Count	1	3	1	2	7
	Row %	14.3%	42.9%	14.3%	28.6%	100.0%
	Col %	8.3%	15.0%	7.1%	7.4%	9.6%
Yes, Decreased	Count	0	0	0	0	0
	Row %	0.0%	0.0%	0.0%	0.0%	0.0%
	Col %	0.0%	0.0%	0.0%	0.0%	0.0%
No	Count	11	17	13	25	66
	Row %	16.7%	25.8%	19.7%	37.9%	100.0%
	Col %	91.7%	85.0%	92.9%	92.6%	90.4%
Total	Count	12	20	14	27	73
	Row %	16.4%	27.4%	19.2%	37.0%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

HC5. Since you participated in the ESA program, has your total household income increased, decreased, or has there been no change? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Increase	Count	19	11	14	16	60
	Row %	31.7%	18.3%	23.3%	26.7%	100.0%
	Col %	12.9%	7.5%	9.7%	10.9%	10.3%
Decrease	Count	31	29	31	35	126
	Row %	24.6%	23.0%	24.6%	27.8%	100.0%
	Col %	21.1%	19.9%	21.4%	23.8%	21.5%
No Change	Count	97	106	100	96	399
	Row %	24.3%	26.6%	25.1%	24.1%	100.0%
	Col %	66.0%	72.6%	69.0%	65.3%	68.2%
Total	Count	147	146	145	147	585
	Row %	25.1%	25.0%	24.8%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

HC6. Is there anything else that has occurred since you participated in the ESA program? BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Replaced windows/doors	Count	1	2	1	2	6
	Row %	16.7%	33.3%	16.7%	33.3%	100.0%
	Col %	0.7%	1.3%	0.7%	1.3%	1.0%
Replaced or added light fixtures/bulbs/CFLs	Count	1	1	0	1	3
	Row %	33.3%	33.3%	0.0%	33.3%	100.0%
	Col %	0.7%	0.7%	0.0%	0.7%	0.5%
Need weatherstripping/old not working	Count	1	1	0	2	4
	Row %	25.0%	25.0%	0.0%	50.0%	100.0%
	Col %	0.7%	0.7%	0.0%	1.3%	0.7%
Some appliances/equip old/not working	Count	2	0	2	0	4
	Row %	50.0%	0.0%	50.0%	0.0%	100.0%
	Col %	1.3%	0.0%	1.3%	0.0%	0.7%
Use fans/space heaters, don't use AC/central	Count	1	2	3	0	6
	Row %	16.7%	33.3%	50.0%	0.0%	100.0%
	Col %	0.7%	1.3%	2.0%	0.0%	1.0%
Installed weatherstripping, insulation, etc.	Count	3	0	2	1	6
	Row %	50.0%	0.0%	33.3%	16.7%	100.0%
	Col %	2.0%	0.0%	1.3%	0.7%	1.0%
Don't use space heaters	Count	0	1	2	0	3
	Row %	0.0%	33.3%	66.7%	0.0%	100.0%
	Col %	0.0%	0.7%	1.3%	0.0%	0.5%
More/fewer people in home/home more/less	Count	0	0	1	1	2
	Row %	0.0%	0.0%	50.0%	50.0%	100.0%
	Col %	0.0%	0.0%	0.7%	0.7%	0.3%

Added appliances/items	Count	1	4	1	2	8
	Row %	12.5%	50.0%	12.5%	25.0%	100.0%
	Col %	0.7%	2.7%	0.7%	1.3%	1.3%
Removed appliances/items	Count	0	0	0	1	1
	Row %	0.0%	0.0%	0.0%	100.0%	100.0%
	Col %	0.0%	0.0%	0.0%	0.7%	0.2%
Making effort to save energy	Count	0	3	0	1	4
	Row %	0.0%	75.0%	0.0%	25.0%	100.0%
	Col %	0.0%	2.0%	0.0%	0.7%	0.7%
Got smart Meter	Count	1	0	0	0	1
	Row %	100.0%	0.0%	0.0%	0.0%	100.0%
	Col %	0.7%	0.0%	0.0%	0.0%	0.2%
Got smart thermostat	Count	1	0	1	0	2
	Row %	50.0%	0.0%	50.0%	0.0%	100.0%
	Col %	0.7%	0.0%	0.7%	0.0%	0.3%
Got new fuse box	Count	0	2	1	0	3
	Row %	0.0%	66.7%	33.3%	0.0%	100.0%
	Col %	0.0%	1.3%	0.7%	0.0%	0.5%
Gotten seriously ill	Count	0	0	1	0	1
	Row %	0.0%	0.0%	100.0%	0.0%	100.0%
	Col %	0.0%	0.0%	0.7%	0.0%	0.2%
Nothing else	Count	137	133	136	139	545
	Row %	25.1%	24.4%	25.0%	25.5%	100.0%
	Col %	91.3%	88.7%	90.1%	92.1%	90.5%
Refused	Count	1	1	0	1	3
	Row %	33.3%	33.3%	0.0%	33.3%	100.0%
	Col %	0.7%	0.7%	0.0%	0.7%	0.5%
Total	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

INTERVIEWER: RECORD GENDER BY Utility

		Utility				
		PG&E	SCE	SCG	SDG&E	Total
Male	Count	53	49	64	48	214
	Row %	24.8%	22.9%	29.9%	22.4%	100.0%
	Col %	35.3%	32.7%	42.4%	31.8%	35.5%
Female	Count	97	101	87	103	388
	Row %	25.0%	26.0%	22.4%	26.5%	100.0%
	Col %	64.7%	67.3%	57.6%	68.2%	64.5%
Total	Count	150	150	151	151	602
	Row %	24.9%	24.9%	25.1%	25.1%	100.0%
	Col %	100.0%	100.0%	100.0%	100.0%	100.0%

Appendix C: Billing Regression Model Output

This section includes the regression output for the Basic, Measure, and Whole House models discussed in the main report.

Table 1: SDG&E Basic Model Regression Results (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Variable Mean
HDD	0.34	0.00	129.12	0.00	179.08
CDD	0.80	0.01	129.90	0.00	70.56
RoomAC	-8.33	3.62	-2.30	0.02	0.01
DuctTestSeal	-20.88	3.92	-5.32	0.00	0.03
ClothesWasher	-10.25	1.32	-7.78	0.00	0.04
HardwiredLighting	-2.88	0.77	-3.72	0.00	0.16
Insulation	-23.10	4.99	-4.63	0.00	0.02
Lighting	-3.08	0.70	-4.39	0.00	0.48
Microwave	3.29	1.07	3.09	0.00	0.04
Refrigerator	-53.37	1.30	-41.10	0.00	0.04
HWConservation	-7.10	1.30	-5.47	0.00	0.41
WHRepairReplace	0.87	1.46	0.60	0.55	0.03
Weatherization	7.95	1.60	4.96	0.00	0.39
RoomAC*CDD	0.06	0.02	3.16	0.00	0.70
DuctTestSeal*CDD	0.23	0.02	9.97	0.00	2.11
DuctTestSeal*HDD	0.00	0.01	0.18	0.86	4.20
Insulation*CDD	0.05	0.03	1.79	0.07	1.69
Insulation*HDD	0.07	0.02	3.73	0.00	3.46
Weatherization*CDD	0.01	0.01	0.68	0.49	32.08
Weatherization*HDD	0.00	0.00	0.46	0.65	64.18
Adjusted R-squared	0.80				

Table 2: PG&E Basic Model Regression Results (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Variable Mean
HDD	0.65	0.00	465.37	0.00	235.37
CDD	1.26	0.00	705.99	0.00	112.20
CentralAC	49.86	12.00	4.16	0.00	0.00
CentralACTuneUp	-31.02	0.94	-33.18	0.00	0.05
CFL	7.66	0.69	11.17	0.00	0.45
DuctTestSeal	-15.88	1.27	-12.48	0.00	0.02
EvaporativeCooler	-27.44	1.57	-17.53	0.00	0.03
HardwiredLighting	-0.15	0.60	-0.26	0.80	0.40
Insulation	-0.79	2.04	-0.39	0.70	0.03
Lighting*	-0.06	0.54	-0.12	0.91	0.12
Refrigerator	-54.61	0.68	-79.80	0.00	0.07
RoomAC	50.82	2.01	25.26	0.00	0.01
HWConservation	2.38	0.56	4.27	0.00	0.35
Weatherization	45.06	0.87	52.01	0.00	0.30
CentralAC*CDD	-0.30	0.04	-8.45	0.00	2.57
CentralACTuneUp*CDD	0.32	0.00	96.42	0.00	9.29
Duct Test Seal *CDD	0.08	0.01	9.55	0.00	3.27
EvaporativeCooler*CDD	0.19	0.00	44.67	0.00	5.71
Insulation*CDD	-0.09	0.01	-11.07	0.00	3.06
Insulation*HDD	-0.01	0.01	-2.17	0.03	6.56
RoomAC*CDD	-0.28	0.01	-43.96	0.00	2.47
Weatherization*CDD	-0.08	0.00	-29.27	0.00	36.14
Weatherization*HDD	-0.16	0.00	-69.20	0.00	64.71
Adjusted R-squared	0.79				

*Occupancy Sensor, Torchiere

Table 3: SCE Basic Model Regression Results

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Variable Mean
CDD	1.26	0.00	800.97	0.00	126.32
HDD	0.47	0.00	396.84	0.00	183.32
RoomAC	54.68	3.16	17.32	0.00	0.00
CentralAC	-41.42	5.38	-7.71	0.00	0.03
CFL	-5.94	0.28	-20.88	0.00	0.35
DuctTestSeal	-19.71	6.23	-3.17	0.00	0.02
EvaporativeCooler	-7.84	0.87	-9.01	0.00	0.08
Lighting	-3.23	1.23	-2.62	0.01	0.02
PoolPump	-40.74	2.91	-14.02	0.00	0.01
Refrigerator	-64.50	0.55	-116.72	0.00	0.08
HW Conservation	-60.08	7.21	-8.33	0.00	0.00
Weatherization	-62.70	7.71	-8.13	0.00	0.00
CentralACTuneUp	-16.59	17.30	-0.96	0.34	0.00
RoomAC*CDD	-0.24	0.01	-24.64	0.00	0.92
CentralAC*CDD	0.09	0.01	8.01	0.00	6.12
Duct Test Seal*CDD	0.02	0.01	1.88	0.06	5.55
Duct Test Seal*HDD	0.16	0.01	21.55	0.00	4.61
EvaporativeCooler*CDD	-0.07	0.00	-24.19	0.00	16.41
PoolPump*CDD	0.41	0.01	43.69	0.00	1.99
Weatherization*CDD	-0.23	0.02	-9.64	0.00	0.55
Weatherization*HDD	0.59	0.02	24.48	0.00	0.62
CentralACTuneUp*CDD	0.19	0.04	5.26	0.00	0.06
Adjusted R-squared	0.77				

Table 4: SDG&E Basic Model Regression Results (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Variable Mean
HDD	0.07	0.00	322.74	0.00	177.79
DuctTestSeal	-3.80	0.22	-17.45	0.00	0.04
FurnaceRepairReplace	-0.08	0.13	-0.57	0.57	0.14
FurnaceCleanTune	-4.52	0.12	-36.67	0.00	0.26
ClothesWasher	-1.32	0.12	-10.89	0.00	0.06
Insulation	-4.19	0.25	-16.94	0.00	0.03
FurnacePilotLight	-1.26	0.16	-8.08	0.00	0.03
HWConservation	0.51	0.12	4.31	0.00	0.44
WHRepairReplace	-0.57	0.14	-4.02	0.00	0.05
Weatherization	2.28	0.15	15.16	0.00	0.39
DuctTestSeal*HDD	0.01	0.00	16.88	0.00	6.58
FurnaceRepairReplace*HDD	0.01	0.00	11.90	0.00	22.95
FurnaceCleanTune*HDD	0.02	0.00	41.97	0.00	42.74
Insulation*HDD	0.01	0.00	11.16	0.00	5.22
Weatherization*HDD	-0.01	0.00	-33.81	0.00	64.97
Adjusted R-squared	0.65				

Table 5: PG&E Basic Model Regression Results (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Variable Mean
HDD	0.11	0.00	1078.89	0.00	232.38
Duct Test Seal	-8.34	0.17	-48.22	0.00	0.02
Furnace Repair	3.20	0.19	16.87	0.00	0.01
Furnace Replace	3.42	0.25	13.77	0.00	0.01
Insulation	-5.37	0.12	-44.69	0.00	0.04
HWConservation	0.30	0.05	6.52	0.00	0.41
WHRepair/Replace	-0.46	0.31	-1.51	0.13	0.01
Weatherization	1.40	0.06	21.51	0.00	0.36
DuctTestSeal*HDD	0.03	0.00	57.27	0.00	4.35
FurnaceRepair*HDD	0.00	0.00	0.52	0.61	2.61
FurnaceReplace*HDD	0.00	0.00	-1.89	0.06	1.56
Insulation*HDD	0.01	0.00	19.51	0.00	8.36
Weatherization*HDD	-0.01	0.00	-31.13	0.00	78.56
Adjusted R-squared	0.81				

Table 6: SCG Basic Model Regression Results

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Variable Mean
HDD	0.10	0.00	1197.08	0.00	177.35
DuctTestSeal	-4.37	0.15	-28.87	0.00	0.01
FurnaceRepairReplace	2.40	0.06	41.25	0.00	0.06
FurnaceCleanTune	-3.98	0.05	-72.76	0.00	0.09
ClothesWasher	-2.57	0.10	-26.45	0.00	0.01
Insulation	-3.40	0.08	-40.73	0.00	0.04
HWConservation	-0.28	0.05	-5.76	0.00	0.50
WHRepairReplace	-0.29	0.18	-1.61	0.11	0.01
Weatherization	2.13	0.05	39.25	0.00	0.47
DuctTestSeal*HDD	0.02	0.00	29.05	0.00	1.80
FurnaceRepairReplace*HDD	0.01	0.00	27.79	0.00	9.35
FurnaceCleanTune*HDD	0.02	0.00	95.64	0.00	15.30
Insulation*HDD	0.01	0.00	21.37	0.00	5.98
Weatherization*HDD	-0.01	0.00	-111.63	0.00	77.42
Adjusted R-squared	0.67				

Table 7:SDG&E Single-Family Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-7.11	1.40	-5.09	0.00	0.53
HDD	0.14	0.01	16.85	0.00	151.99
CDD	0.68	0.02	40.15	0.00	41.29
POST*HDD	-0.02	0.01	-2.74	0.01	74.00
POST*CDD	-0.09	0.02	-5.20	0.00	27.47
FEBRUARY	-17.53	1.28	-13.72	0.00	0.08
MARCH	-42.63	1.31	-32.59	0.00	0.09
APRIL	-49.26	1.66	-29.60	0.00	0.08
MAY	-43.38	1.90	-22.88	0.00	0.09
JUNE	-34.68	2.29	-15.14	0.00	0.09
JULY	-28.18	2.44	-11.54	0.00	0.08
AUGUST	-23.25	2.50	-9.30	0.00	0.09
SEPTEMBER	-32.11	2.30	-13.94	0.00	0.08
OCTOBER	-35.03	1.76	-19.85	0.00	0.09
NOVEMBER	19.31	1.28	15.10	0.00	0.08
DECEMBER	46.47	1.37	34.04	0.00	0.06
Adjusted R-squared	0.80				

Table 8: SDG&E Multi-Family Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	1.02	0.86	1.18	0.24	0.49
HDD	0.06	0.00	11.85	0.00	148.68
CDD	0.55	0.01	57.70	0.00	42.09
POST*HDD	0.00	0.00	-0.85	0.39	67.53
POST*CDD	-0.10	0.01	-10.41	0.00	26.31
FEBRUARY	-9.16	0.87	-10.55	0.00	0.07
MARCH	-29.04	0.86	-33.63	0.00	0.09
APRIL	-35.35	1.07	-33.03	0.00	0.08
MAY	-30.10	1.19	-25.36	0.00	0.09
JUNE	-31.54	1.41	-22.44	0.00	0.09
JULY	-27.23	1.49	-18.27	0.00	0.08
AUGUST	-24.85	1.51	-16.42	0.00	0.09
SEPTEMBER	-30.99	1.40	-22.07	0.00	0.08
OCTOBER	-28.40	1.10	-25.80	0.00	0.09
NOVEMBER	10.19	0.86	11.85	0.00	0.08
DECEMBER	24.43	0.90	27.29	0.00	0.07
Adjusted R-squared	0.74				

Table 9: SDG&E Mobile Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-3.64	6.02	-0.61	0.55	0.51
HDD	0.11	0.03	3.36	0.00	146.89
CDD	1.05	0.06	16.90	0.00	49.30
POST*HDD	-0.04	0.03	-1.71	0.09	67.96
POST*CDD	-0.13	0.06	-2.13	0.03	33.19
FEBRUARY	-5.91	6.41	-0.92	0.36	0.07
MARCH	-30.86	6.18	-4.99	0.00	0.09
APRIL	-45.73	7.44	-6.15	0.00	0.08
MAY	-41.57	8.28	-5.02	0.00	0.09
JUNE	-30.44	9.51	-3.20	0.00	0.09
JULY	-21.10	9.93	-2.13	0.03	0.09
AUGUST	-12.23	10.22	-1.20	0.23	0.09
SEPTEMBER	-41.68	10.01	-4.16	0.00	0.08
OCTOBER	-34.91	7.86	-4.44	0.00	0.10
NOVEMBER	13.47	6.55	2.06	0.04	0.07
DECEMBER	46.00	6.24	7.37	0.00	0.07
Adjusted R-squared	0.76				

Table 10: PG&E Single Family Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	28.72	0.82	35.21	0.00	0.51
HDD	0.43	0.00	154.39	0.00	234.19
CDD	1.28	0.00	524.03	0.00	114.25
POST*HDD	-0.10	0.00	-41.73	0.00	111.98
POST*CDD	-0.07	0.00	-25.06	0.00	63.76
FEBRUARY	-18.02	0.65	-27.77	0.00	0.08
MARCH	-42.59	0.67	-63.57	0.00	0.09
APRIL	-85.21	0.76	-111.42	0.00	0.08
MAY	-81.13	0.82	-98.99	0.00	0.08
JUNE	-60.84	0.88	-68.97	0.00	0.09
JULY	-40.53	0.89	-45.58	0.00	0.08
AUGUST	-71.44	0.89	-80.49	0.00	0.09
SEPTEMBER	-88.49	0.89	-99.38	0.00	0.08
OCTOBER	-47.23	0.75	-62.99	0.00	0.09
NOVEMBER	33.82	0.64	52.53	0.00	0.08
DECEMBER	62.53	0.67	93.74	0.00	0.07
Adjusted R-squared	0.77				

Table 11: PG&E Multi-Family Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	14.27	1.17	12.16	0.00	0.52
HDD	0.25	0.00	61.50	0.00	239.93
CDD	1.11	0.00	238.06	0.00	93.07
POST*HDD	-0.05	0.00	-15.79	0.00	117.72
POST*CDD	-0.08	0.01	-14.92	0.00	52.74
FEBRUARY	-11.15	0.88	-12.74	0.00	0.08
MARCH	-29.86	0.89	-33.60	0.00	0.09
APRIL	-57.26	1.00	-57.23	0.00	0.08
MAY	-64.42	1.08	-59.66	0.00	0.09
JUNE	-80.88	1.19	-67.90	0.00	0.09
JULY	-68.97	1.20	-57.52	0.00	0.08
AUGUST	-85.76	1.19	-71.91	0.00	0.09
SEPTEMBER	-80.27	1.20	-66.83	0.00	0.08
OCTOBER	-37.07	1.01	-36.79	0.00	0.09
NOVEMBER	15.81	0.88	17.90	0.00	0.08
DECEMBER	36.39	0.90	40.59	0.00	0.08
Adjusted R-squared	0.78				

Table 12: PG&E Mobile Home Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	55.94	5.64	9.92	0.00	0.52
HDD	0.55	0.02	34.93	0.00	240.95
CDD	0.97	0.01	67.20	0.00	144.67
POST*HDD	-0.14	0.01	-9.70	0.00	116.21
POST*CDD	-0.14	0.02	-8.71	0.00	82.65
FEBRUARY	-15.27	4.04	-3.78	0.00	0.08
MARCH	-36.71	4.24	-8.65	0.00	0.09
APRIL	-99.27	4.95	-20.05	0.00	0.08
MAY	-89.83	5.34	-16.81	0.00	0.09
JUNE	-56.40	6.02	-9.37	0.00	0.09
JULY	-35.65	6.16	-5.79	0.00	0.08
AUGUST	-74.94	6.06	-12.37	0.00	0.09
SEPTEMBER	-99.57	5.69	-17.49	0.00	0.08
OCTOBER	-54.96	4.70	-11.69	0.00	0.09
NOVEMBER	41.08	3.98	10.32	0.00	0.08
DECEMBER	78.39	4.11	19.09	0.00	0.07
Adjusted R-squared	0.87				

Table 13: SCE Single Family Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-16.15	0.73	-22.25	0.00	0.42
HDD	0.38	0.00	143.71	0.00	185.46
CDD	1.27	0.00	480.80	0.00	131.36
POST*HDD	0.00	0.00	0.30	0.76	74.82
POST*CDD	-0.05	0.00	-16.90	0.00	64.60
FEBRUARY	-38.73	0.63	-61.80	0.00	0.08
MARCH	-52.82	0.61	-86.31	0.00	0.09
APRIL	-78.04	0.66	-117.53	0.00	0.09
MAY	-84.63	0.76	-111.59	0.00	0.08
JUNE	-68.45	0.82	-83.65	0.00	0.09
JULY	-56.25	0.88	-63.78	0.00	0.08
AUGUST	-41.55	0.90	-46.28	0.00	0.09
SEPTEMBER	-66.19	0.92	-72.30	0.00	0.08
OCTOBER	-82.40	0.88	-93.59	0.00	0.08
NOVEMBER	-71.06	0.77	-92.76	0.00	0.08
DECEMBER	2.06	0.62	3.31	0.00	0.09
Adjusted R-squared	0.76				

Table 14: SCE Multi-Family Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-19.21	1.03	-18.58	0.00	0.26
HDD	0.13	0.00	36.31	0.00	168.23
CDD	0.87	0.00	210.61	0.00	92.23
POST*HDD	-0.02	0.00	-5.60	0.00	42.54
POST*CDD	-0.03	0.01	-6.17	0.00	30.41
FEBRUARY	-25.59	0.77	-33.21	0.00	0.07
MARCH	-27.00	0.74	-36.29	0.00	0.09
APRIL	-43.34	0.81	-53.50	0.00	0.09
MAY	-47.46	0.93	-51.10	0.00	0.08
JUNE	-35.95	1.01	-35.48	0.00	0.09
JULY	-38.62	1.12	-34.52	0.00	0.09
AUGUST	-45.11	1.15	-39.14	0.00	0.09
SEPTEMBER	-64.78	1.19	-54.58	0.00	0.08
OCTOBER	-65.84	1.13	-58.14	0.00	0.08
NOVEMBER	-53.90	0.97	-55.76	0.00	0.08
DECEMBER	1.18	0.77	1.53	0.13	0.09
Adjusted R-squared	0.81				

Table 15: SCE Mobile Home Whole House Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-7.55	3.99	-1.89	0.06	0.46
HDD	0.61	0.01	49.62	0.00	206.44
CDD	1.06	0.01	97.30	0.00	174.59
POST*HDD	-0.06	0.01	-5.03	0.00	90.71
POST*CDD	-0.02	0.01	-1.90	0.06	91.23
FEBRUARY	-14.89	3.19	-4.67	0.00	0.08
MARCH	-24.40	3.12	-7.82	0.00	0.09
APRIL	-28.64	3.38	-8.48	0.00	0.09
MAY	-8.06	3.87	-2.08	0.04	0.08
JUNE	23.56	4.17	5.65	0.00	0.09
JULY	89.40	4.75	18.83	0.00	0.08
AUGUST	140.76	4.99	28.23	0.00	0.09
SEPTEMBER	114.85	5.10	22.51	0.00	0.08
OCTOBER	47.38	4.67	10.15	0.00	0.08
NOVEMBER	0.20	3.86	0.05	0.96	0.08
DECEMBER	9.23	3.12	2.96	0.00	0.09
Adjusted R-squared	0.76				

Table 16: SDG&E Single Family Whole House Model (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-1.68	1,203.11	0.00	1.00	0.47
HDD	0.05	60.00	0.00	1.00	150.16
POST*HDD	0.01	4.32	0.00	1.00	64.07
FEBRUARY	-2.97	3,373.01	0.00	1.00	0.08
MARCH	-7.07	6,569.51	0.00	1.00	0.09
APRIL	-8.64	12,229.39	0.00	1.00	0.08
MAY	-9.48	15,130.79	0.00	1.00	0.09
JUNE	-9.23	19,428.60	0.00	1.00	0.09
JULY	-9.92	20,444.39	0.00	1.00	0.08
AUGUST	-10.66	20,849.02	0.00	1.00	0.09
SEPTEMBER	-10.39	18,944.49	0.00	1.00	0.08
OCTOBER	-8.80	13,615.35	0.00	1.00	0.09
NOVEMBER	-3.04	4,676.46	0.00	1.00	0.08
DECEMBER	2.42	3,020.36	0.00	1.00	0.06
Adjusted R-squared	0.64				

Table 17: SDG&E Multi-Family Whole House Model (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-0.64	0.06	-10.41	0.00	0.40
HDD	0.01	0.00	27.82	0.00	149.44
POST*HDD	0.00	0.00	3.93	0.00	56.01
FEBRUARY	-0.66	0.09	-7.08	0.00	0.07
MARCH	-2.02	0.09	-21.95	0.00	0.09
APRIL	-2.67	0.12	-23.22	0.00	0.08
MAY	-3.00	0.13	-23.78	0.00	0.10
JUNE	-3.60	0.15	-23.64	0.00	0.09
JULY	-4.04	0.16	-25.52	0.00	0.08
AUGUST	-4.36	0.16	-27.85	0.00	0.09
SEPTEMBER	-4.14	0.15	-27.80	0.00	0.08
OCTOBER	-3.04	0.12	-26.09	0.00	0.09
NOVEMBER	-1.03	0.09	-11.37	0.00	0.08
DECEMBER	0.62	0.09	6.52	0.00	0.07
Adjusted R-squared	0.72				

Table 18: SDG&E Mobile Home Whole House Model (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-2.34	0.44	-5.36	0.00	0.46
HDD	0.05	0.00	15.64	0.00	145.26
POST*HDD	0.01	0.00	3.55	0.00	61.20
FEBRUARY	-2.45	0.72	-3.41	0.00	0.07
MARCH	-9.86	0.69	-14.32	0.00	0.09
APRIL	-13.21	0.82	-16.15	0.00	0.08
MAY	-16.89	0.91	-18.49	0.00	0.09
JUNE	-17.62	1.06	-16.55	0.00	0.09
JULY	-18.61	1.10	-16.85	0.00	0.09
AUGUST	-18.98	1.10	-17.29	0.00	0.09
SEPTEMBER	-17.42	1.10	-15.81	0.00	0.07
OCTOBER	-13.02	0.89	-14.66	0.00	0.10
NOVEMBER	-3.16	0.72	-4.37	0.00	0.07
DECEMBER	1.21	0.70	1.72	0.09	0.07
Adjusted R-squared	0.65				

Table 19: PG&E Single Family Whole House Model (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	0.46	0.04	11.97	0.00	0.49
HDD	0.07	0.00	381.30	0.00	230.55
POST*HDD	0.00	0.00	-36.41	0.00	105.10
FEBRUARY	-5.13	0.05	-96.14	0.00	0.08
MARCH	-12.35	0.06	-224.31	0.00	0.09
APRIL	-19.99	0.06	-313.68	0.00	0.08
MAY	-21.94	0.07	-316.19	0.00	0.08
JUNE	-22.69	0.08	-296.98	0.00	0.09
JULY	-23.11	0.08	-299.62	0.00	0.08
AUGUST	-22.83	0.08	-297.85	0.00	0.09
SEPTEMBER	-22.06	0.08	-293.21	0.00	0.08
OCTOBER	-17.10	0.06	-280.01	0.00	0.09
NOVEMBER	-2.53	0.05	-47.95	0.00	0.08
DECEMBER	9.31	0.05	169.58	0.00	0.07
Adjusted R-squared	0.72				

Table 20: PG&E Multi-Family Whole House Model (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	0.20	0.06	3.05	0.00	0.49
HDD	0.03	0.00	99.07	0.00	244.54
POST*HDD	0.00	0.00	-9.92	0.00	114.52
FEBRUARY	-1.60	0.08	-19.46	0.00	0.08
MARCH	-4.38	0.09	-50.63	0.00	0.09
APRIL	-7.27	0.10	-73.22	0.00	0.08
MAY	-8.18	0.11	-74.93	0.00	0.08
JUNE	-8.54	0.12	-69.87	0.00	0.08
JULY	-8.80	0.12	-70.95	0.00	0.08
AUGUST	-8.77	0.12	-71.05	0.00	0.09
SEPTEMBER	-8.39	0.12	-69.04	0.00	0.08
OCTOBER	-6.50	0.10	-66.62	0.00	0.09
NOVEMBER	-1.09	0.08	-13.06	0.00	0.08
DECEMBER	3.09	0.09	36.10	0.00	0.08
Adjusted R-squared	0.85				

Table 21: PG&E Mobile Home Whole House Model (Gas)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	1.61	1.50	1.07	0.28	0.48
HDD	0.09	0.01	16.55	0.00	234.90
POST*HDD	-0.01	0.00	-1.54	0.12	104.54
FEBRUARY	-5.14	1.78	-2.89	0.00	0.08
MARCH	-12.45	1.88	-6.64	0.00	0.09
APRIL	-24.69	2.21	-11.18	0.00	0.08
MAY	-31.94	2.35	-13.58	0.00	0.09
JUNE	-41.27	2.58	-16.01	0.00	0.09
JULY	-42.74	2.61	-16.35	0.00	0.08
AUGUST	-41.56	2.56	-16.23	0.00	0.09
SEPTEMBER	-35.37	2.49	-14.20	0.00	0.08
OCTOBER	-18.95	2.11	-9.00	0.00	0.09
NOVEMBER	-1.47	1.69	-0.87	0.39	0.08
DECEMBER	11.83	1.66	7.12	0.00	0.07
Adjusted R-squared	0.87				

Table 22: SCG Single Family Whole House Model

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	1.01	0.03	36.29	0.00	0.52
HDD	0.09	0.00	506.13	0.00	178.35
POST*HDD	-0.01	0.00	-82.23	0.00	84.93
FEBRUARY	-2.76	0.04	-64.65	0.00	0.08
MARCH	-6.68	0.04	-154.72	0.00	0.09
APRIL	-8.34	0.05	-168.17	0.00	0.09
MAY	-8.16	0.05	-149.14	0.00	0.09
JUNE	-6.61	0.06	-108.00	0.00	0.09
JULY	-6.77	0.06	-107.04	0.00	0.09
AUGUST	-6.85	0.06	-108.89	0.00	0.09
SEPTEMBER	-7.05	0.06	-114.72	0.00	0.07
OCTOBER	-7.18	0.05	-144.15	0.00	0.09
NOVEMBER	-1.06	0.04	-24.77	0.00	0.08
DECEMBER	2.01	0.05	43.28	0.00	0.06
Adjusted R-squared	0.67				

Table 23: SCG Multi-Family Whole House Model

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	0.54	0.04	13.11	0.00	0.50
HDD	0.03	0.00	107.98	0.00	164.97
POST*HDD	0.00	0.00	-24.68	0.00	75.86
FEBRUARY	-0.54	0.06	-9.37	0.00	0.08
MARCH	-1.76	0.06	-30.37	0.00	0.10
APRIL	-2.22	0.07	-32.37	0.00	0.09
MAY	-2.17	0.08	-28.18	0.00	0.09
JUNE	-1.55	0.09	-17.33	0.00	0.09
JULY	-1.63	0.09	-17.61	0.00	0.08
AUGUST	-1.67	0.09	-18.00	0.00	0.09
SEPTEMBER	-1.78	0.09	-19.89	0.00	0.07
OCTOBER	-1.72	0.07	-24.07	0.00	0.09
NOVEMBER	0.15	0.06	2.69	0.01	0.08
DECEMBER	1.02	0.06	16.51	0.00	0.06
Adjusted R-squared	0.71				

Table 24: SCG Mobile Home Whole House Model

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
POST	-0.16	0.16	-0.99	0.32	0.52
HDD	0.09	0.00	90.77	0.00	202.61
POST*HDD	-0.01	0.00	-8.41	0.00	97.72
FEBRUARY	-3.95	0.25	-15.77	0.00	0.08
MARCH	-10.32	0.26	-39.74	0.00	0.09
APRIL	-13.65	0.30	-44.88	0.00	0.09
MAY	-14.79	0.34	-43.82	0.00	0.09
JUNE	-13.36	0.38	-35.22	0.00	0.09
JULY	-12.69	0.40	-32.11	0.00	0.09
AUGUST	-12.59	0.39	-31.96	0.00	0.09
SEPTEMBER	-13.40	0.38	-35.45	0.00	0.07
OCTOBER	-11.98	0.30	-40.37	0.00	0.09
NOVEMBER	-3.47	0.25	-13.72	0.00	0.08
DECEMBER	1.81	0.27	6.64	0.00	0.06
Adjusted R-squared	0.71				

Table 25: SDG&E Microwave Measure Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
HDD	0.32	0.01	37.65	0.00	178.54
CDD	0.76	0.02	38.57	0.00	72.66
RoomAC	0.99	9.25	0.11	0.92	0.01
DuctTestSeal	14.32	6.38	2.25	0.02	0.03
ClothesWasher	-5.83	4.49	-1.30	0.19	0.04
HardwiredLighting	-9.74	2.38	-4.10	0.00	0.15
Insulation	18.68	13.67	1.37	0.17	0.02
Lighting	-2.13	3.60	-0.59	0.55	0.47
Microwave	-5.54	4.78	-1.16	0.25	0.47
Refrigerator	-62.01	3.61	-17.18	0.00	0.04
HWConservation	-4.00	5.56	-0.72	0.47	0.46
WHRepairReplace	17.04	4.81	3.54	0.00	0.03
Weatherization	23.15	5.59	4.14	0.00	0.44
RoomAC*CDD	0.16	0.05	3.22	0.00	1.38
DuctTestSeal*HDD	-0.09	0.03	-3.34	0.00	5.83
Insulation*CDD	-0.06	0.07	-0.83	0.41	1.38
Insulation*HDD	0.02	0.05	0.37	0.71	2.77
Weatherization*CDD	-0.06	0.02	-2.88	0.00	37.25
Weatherization*HDD	-0.02	0.01	-1.58	0.11	74.85
Adjusted R-squared	0.82				

Table 26: SCE Room AC Measure Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
CDD	1.13	0.02	67.72	0.00	175.98
HDD	0.56	0.01	39.74	0.00	204.67
RoomAC	9.19	5.94	1.55	0.12	0.51
CFL	4.56	5.05	0.90	0.37	0.55
EvaporativeCooler	-2.40	6.01	-0.40	0.69	0.27
Lighting	11.64	15.29	0.76	0.45	0.02
PoolPump	76.90	26.06	2.95	0.00	0.02
Refrigerator	-71.96	5.58	-12.89	0.00	0.15
HWConservation	532.28	283.49	1.88	0.06	0.00
Weatherization	-1092.18	336.84	-3.24	0.00	0.00
RoomAC*CDD	-0.08	0.02	-4.96	0.00	99.17
EvaporativeCooler*CDD	0.04	0.02	2.15	0.03	51.91
PoolPump*CDD	0.27	0.07	3.91	0.00	3.21
Weatherization*HDD	1.73	0.48	3.56	0.00	1.03
Weatherization*CDD	0.31	0.49	0.64	0.52	0.95
Adjusted R-squared	0.73				

Table 27: SCE Central AC Measure Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
CDD	1.60	0.01	240.02	0.00	221.79
HDD	0.71	0.01	112.33	0.00	216.83
CentralAC	14.89	5.51	2.70	0.01	0.49
CFL	-4.87	2.19	-2.23	0.03	0.55
EvaporativeCooler	2.44	2.67	0.92	0.36	0.33
Lighting	9.75	5.83	1.67	0.09	0.04
PoolPump	-60.62	8.08	-7.51	0.00	0.04
Refrigerator	-76.40	3.83	-19.94	0.00	0.07
HWConservation	-37.36	91.14	-0.41	0.68	0.00
Weatherization	163.10	108.88	1.50	0.13	0.00
DuctTestSeal	43.43	6.56	6.62	0.00	0.44
CentralAC*CDD	-0.13	0.01	-10.75	0.00	120.66
EvaporativeCooler*CDD	-0.14	0.01	-22.22	0.00	71.15
PoolPump*CDD	0.29	0.02	17.14	0.00	9.91
Weatherization*HDD	0.10	0.25	0.41	0.68	0.09
Weatherization*CDD	-0.48	0.23	-2.09	0.04	0.16
DuctTestSeal*HDD	-0.09	0.01	-9.02	0.00	89.32
DuctTestSeal*CDD	-0.06	0.01	-4.34	0.00	105.71
Adjusted R-squared	0.76				

Table 28: SCE Ducts Measure Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
CDD	1.60	0.01	219.27	0.00	217.62
HDD	0.72	0.01	104.93	0.00	220.18
CFL	-3.59	2.28	-1.57	0.12	0.55
EvaporativeCooler	3.51	2.75	1.28	0.20	0.34
Lighting	-0.45	6.02	-0.08	0.94	0.04
PoolPump	-53.83	7.99	-6.74	0.00	0.04
Refrigerator	-71.70	3.90	-18.38	0.00	0.08
HWConservation	-121.29	51.00	-2.38	0.02	0.01
Weatherization	95.76	56.65	1.69	0.09	0.01
DuctTestSeal	58.34	4.51	12.95	0.00	0.49
CentralHeatPump	-126.35	16.01	-7.89	0.00	0.01
EvaporativeCooler*CDD	-0.14	0.01	-21.89	0.00	71.46
PoolPump*CDD	0.27	0.02	15.27	0.00	9.53
Weatherization*HDD	0.52	0.12	4.22	0.00	0.94
Weatherization*CDD	-0.13	0.06	-2.07	0.04	2.17
DuctTestSeal*HDD	-0.10	0.01	-9.85	0.00	98.60
DuctTestSeal*CDD	-0.18	0.01	-17.44	0.00	118.79
CentralHeatPump*HDD	0.59	0.06	9.08	0.00	1.65
Adjusted R-squared	0.76				

Table 29: SCE Evaporative Cooler Measure Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
CDD	1.65	0.00	357.31	0.00	176.44
HDD	0.67	0.00	175.38	0.00	212.29
RoomAC	60.70	4.71	12.90	0.00	0.02
CentralAC	-2.75	8.23	-0.33	0.74	0.08
CFL	5.41	1.27	4.24	0.00	0.55
CentralHeatPump	4.95	30.30	0.16	0.87	0.00
DuctTestSeal	26.04	9.37	2.78	0.01	0.08
EvaporativeCooler	13.27	1.45	9.18	0.00	0.51
Lighting	11.00	4.23	2.60	0.01	0.02
PoolPump	-31.07	4.34	-7.16	0.00	0.03
Refrigerator	-65.84	1.83	-35.89	0.00	0.08
HWConservation	-58.55	36.49	-1.61	0.11	0.00
Weatherization	-176.89	47.69	-3.71	0.00	0.00
RoomAC*CDD	-0.18	0.01	-12.39	0.00	2.91
CentralAC*CDD	0.02	0.02	1.24	0.22	18.39
CentralHeatPump*HDD	0.32	0.09	3.78	0.00	0.12
DuctTestSeal*HDD	-0.03	0.01	-2.79	0.01	16.52
DuctTestSeal*CDD	-0.06	0.02	-2.81	0.01	17.12
EvaporativeCooler*CDD	-0.29	0.00	-72.31	0.00	99.98
PoolPump*CDD	0.32	0.01	25.71	0.00	5.62
Weatherization*HDD	0.96	0.09	11.27	0.00	0.57
Weatherization*CDD	-0.06	0.07	-0.87	0.38	0.72
Adjusted R-squared	0.72				

Table 30: SCE Lighting Measure Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
CDD	1.35	0.01	141.07	0.00	126.87
HDD	0.56	0.01	79.02	0.00	183.52
RoomAC	18.38	18.45	1.00	0.32	0.00
CentralAC	27.90	29.98	0.93	0.35	0.04
CFL	1.48	3.01	0.49	0.62	0.51
CentralHeatPump	39.76	106.12	0.38	0.71	0.00
DuctTestSeal	-134.20	33.51	-4.00	0.00	0.03
EvaporativeCooler	0.49	5.77	0.09	0.93	0.10
Lighting	-12.09	2.80	-4.33	0.00	0.54
PoolPump	14.72	11.18	1.32	0.19	0.01
Refrigerator	-65.40	2.82	-23.19	0.00	0.09
HWConservation	-38.04	24.37	-1.56	0.12	0.01
Weatherization	-18.54	31.21	-0.59	0.55	0.01
RoomAC*CDD	-0.05	0.06	-0.83	0.40	0.95
CentralAC*CDD	-0.17	0.06	-2.72	0.01	9.71
CentralHeatPump*HDD	-0.89	0.70	-1.27	0.20	0.03
DuctTestSeal*HDD	0.25	0.04	7.15	0.00	6.09
DuctTestSeal*CDD	0.36	0.07	5.25	0.00	8.83
EvaporativeCooler*CDD	-0.06	0.02	-3.31	0.00	20.85
PoolPump*CDD	0.24	0.03	7.10	0.00	2.89
Weatherization*HDD	0.41	0.08	4.84	0.00	1.25
Weatherization*CDD	-0.68	0.10	-6.53	0.00	1.02
Adjusted R-squared	0.75				

Table 31: SCG Hot Water Conservation Measure Model (Electric)

Variable Name	Coefficient Estimate	Standard Error	t statistic	P-value	Mean of Variable
HDD	0.10	0.00	1162.16	0.00	176.82
DuctTestSeal	-4.34	0.15	-28.39	0.00	0.01
FurnaceRepairReplace	2.24	0.06	38.23	0.00	0.06
FurnaceCleanTune	-4.12	0.06	-74.46	0.00	0.09
ClothesWasher	-2.73	0.11	-25.51	0.00	0.01
Insulation	-3.23	0.08	-38.33	0.00	0.04
HWConservation	-0.45	0.05	-8.82	0.00	0.51
WHRepairReplace	-0.29	0.19	-1.56	0.12	0.01
Weatherization	2.33	0.06	40.22	0.00	0.47
DuctTestSeal*HDD	0.02	0.00	28.66	0.00	1.80
FurnaceRepairReplace*HDD	0.01	0.00	30.10	0.00	9.38
FurnaceCleanTune*HDD	0.02	0.00	98.48	0.00	15.46
Insulation*HDD	0.01	0.00	18.85	0.00	5.85
Weatherization*HDD	-0.01	0.00	-111.42	0.00	77.40
Adjusted R-squared	0.67				

Appendix D: Detailed Impact Estimates

The following tables provide detailed measure impact estimates (kWh, kW, and therms) by utility, housing type, and (where possible) climate zone. The number of households and installed measures shown in these tables are based on an analysis of the utility-provided measure data after removing master metered customers and removing any ineligible measures per the California Statewide LIEE Policy and Procedures Manual dated August 2010.

Following the detailed impact results are additional tables showing the measure groupings used for each utility in the Basic and Measure regression models.

Table 32: SDG&E Detailed Impacts (kWh)

Measure Category	House Type	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
Central AC	Single Family	11	11	38.66	38.66	425
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	19	19	0.00	0.00	0
Central AC Tune-Up	Single Family	58	58	231.56	231.56	13,431
	Multifamily	1	1	87.80	87.80	88
	Mobile Home	0	0	N/A	N/A	0
CFL	Single Family	8,334	60,376	16.62	120.40	1,003,449
	Multifamily	7,873	43,363	18.78	103.44	814,357
	Mobile Home	281	2,062	14.86	109.04	30,641
Duct Test Seal	Single Family	933	933	55.72	55.72	51,987
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	4	4	55.72	55.72	223
High Efficiency Clothes Washer	Single Family	1,575	1,577	122.90	123.05	193,811
	Multifamily	67	67	123.05	123.05	8,245
	Mobile Home	26	26	123.05	123.05	3,199
HWD Lights	Single Family	4,942	14,259	41.99	121.17	598,798
	Multifamily	1,569	3,156	53.56	107.73	169,035
	Mobile Home	130	332	31.89	81.44	10,587
Insulation - Heating	Single Family	789	789	0.00	0.00	0
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	0	0	N/A	N/A	0
Insulation - Cooling	Single Family	789	789	97.20	97.20	76,691
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	0	0	N/A	N/A	0
Lighting - LED Night Lights	Single Family	9,456	25,569	1.09	2.93	27,749
	Multifamily	10,697	27,918	1.12	2.93	31,391
	Mobile Home	299	466	1.88	2.93	877
Lighting - Torchiere	Single Family	3,263	5,185	21.43	34.06	111,133
	Multifamily	3,317	4,519	25.00	34.06	112,972
	Mobile Home	32	42	25.95	34.06	1,090
Microwaves	Single Family	466	467	66.37	66.52	30,996
	Multifamily	1,056	1,056	66.52	66.52	70,241
	Mobile Home	2	2	66.52	66.52	133
Refrigerator	Single Family	1,325	1,385	612.67	640.42	848,554
	Multifamily	442	451	627.64	640.42	283,065
	Mobile Home	43	44	625.86	640.42	27,538
Room AC	Single Family	96	116	25.68	31.03	2,979
	Multifamily	209	216	24.74	25.57	5,344
	Mobile Home	0	0	N/A	N/A	0
HWCons - Faucet Aerator	Single Family	443	925	2.20	4.59	2,032
	Multifamily	822	1,564	1.38	2.63	2,160
	Mobile Home	6	9	0.79	1.18	7
HWCons - Low Flow Showerhead	Single Family	442	636	3.97	5.72	2,527
	Multifamily	0	0	N/A	N/A	N/A
	Mobile Home	7	10	1.42	2.03	14
HWCons - Thermostatic Shower Valve	Single Family	158	221	64.98	90.89	14,360
	Multifamily	114	140	40.85	50.17	5,719
	Mobile Home	0	0	N/A	N/A	N/A
HWCons - Water Heater Blanket	Single Family	30	30	3.90	3.90	117
	Multifamily	22	23	2.45	2.57	56
	Mobile Home	0	0	N/A	N/A	N/A
HWCons - Water Heater Pipe Insulation	Single Family	87	87	0.39	0.39	34
	Multifamily	0	0	N/A	N/A	N/A
	Mobile Home	0	0	N/A	N/A	N/A
Water Heater Repair / Replace	Single Family	4	4	0.00	0.00	0
	Multifamily	1	1	0.00	0.00	0
	Mobile Home	1	1	0.00	0.00	0
Weatherization	Single Family	7,717	7,717	49.72	49.72	383,703
	Multifamily	8,787	8,787	49.35	49.35	433,672
	Mobile Home	252	252	51.99	51.99	13,100

Table 33: SDG&E Detailed Impacts (kW)

Measure Category	House Type	Number of Households	Number Installed	kWh to kW Conversion Factor	Savings per Unit (kW)	Savings per Household (kW)	Total Program Savings (kW)
Central AC	Single Family	11	11	0.00019	0.0075	0.0075	0.08
	Multifamily	0	0	0.00019	N/A	N/A	N/A
	Mobile Home	19	19	0.00019	0.0000	0.0000	0.00
Central AC Tune-Up	Single Family	58	58	0.00019	0.0449	0.0449	2.60
	Multifamily	1	1	0.00019	0.0170	0.0170	0.02
	Mobile Home	0	0	0.00019	N/A	N/A	N/A
CFL	Single Family	8,334	60,376	0.00012	0.0020	0.0146	121.98
	Multifamily	7,873	43,363	0.00012	0.0023	0.0126	98.99
	Mobile Home	281	2,062	0.00012	0.0018	0.0133	3.72
Duct Test Seal	Single Family	933	933	0.00021	0.0117	0.0117	10.96
	Multifamily	0	0	0.00021	N/A	N/A	N/A
	Mobile Home	4	4	0.00021	0.0117	0.0117	0.05
High Efficiency Clothes Washer	Single Family	1,575	1,577	0.00013	0.0158	0.0158	24.87
	Multifamily	67	67	0.00013	0.0158	0.0158	1.06
	Mobile Home	26	26	0.00013	0.0158	0.0158	0.41
HWD Lights	Single Family	4,942	14,259	0.00007	0.0029	0.0082	40.75
	Multifamily	1,569	3,156	0.00007	0.0036	0.0073	11.50
	Mobile Home	130	332	0.00007	0.0022	0.0055	0.72
Insulation - Heating	Single Family	789	789	0.00019	0.0000	0.0000	0.00
	Multifamily	0	0	0.00019	N/A	N/A	N/A
	Mobile Home	0	0	0.00019	N/A	N/A	N/A
Insulation - Cooling	Single Family	789	789	0.00019	0.0188	0.0188	14.87
	Multifamily	0	0	0.00019	N/A	N/A	N/A
	Mobile Home	0	0	0.00019	N/A	N/A	N/A
Lighting - LED Night Lights	Single Family	9,456	25,569	0.00012	0.0001	0.0004	3.46
	Multifamily	10,697	27,918	0.00012	0.0001	0.00	3.92
	Mobile Home	299	466	0.00012	0.0002	0.0004	0.11
Lighting - Torchiere	Single Family	3,263	5,185	0.00012	0.0027	0.0042	13.87
	Multifamily	3,317	4,519	0.00012	0.0031	0.0042	14.10
	Mobile Home	32	42	0.00012	0.0032	0.0042	0.14
Microwaves	Single Family	466	467	0.00020	0.0132	0.0132	6.17
	Multifamily	1,056	1,056	0.00020	0.0132	0.0132	13.98
	Mobile Home	2	2	0.00020	0.0132	0.0132	0.03
Refrigerator	Single Family	1,325	1,385	0.00012	0.0723	0.0756	100.15
	Multifamily	442	451	0.00012	0.0741	0.0756	33.41
	Mobile Home	43	44	0.00012	0.0739	0.0756	3.25
Room AC	Single Family	96	116	0.00019	0.0050	0.0060	0.58
	Multifamily	209	216	0.00019	0.0048	0.0050	1.04
	Mobile Home	0	0	0.00019	N/A	N/A	N/A
HWCons - Faucet Aerator	Single Family	443	925	0.00012	0.0003	0.0005	0.24
	Multifamily	822	1,564	0.00012	0.0002	0.0003	0.26
	Mobile Home	6	9	0.00012	0.0001	0.0001	0.00
HWCons - Low Flow Showerhead	Single Family	442	636	0.00012	0.0005	0.0007	0.30
	Multifamily	0	0	0.00012	N/A	N/A	N/A
	Mobile Home	7	10	0.00012	0.0002	0.0002	0.00
HWCons - Thermostatic Shower Valve	Single Family	158	221	0.00012	0.0077	0.0107	1.70
	Multifamily	114	140	0.00012	0.0048	0.0059	0.68
	Mobile Home	0	0	0.00012	N/A	N/A	N/A
HWCons - Water Heater Blanket	Single Family	30	30	0.00012	0.0005	0.0005	0.01
	Multifamily	22	23	0.00012	0.0003	0.0003	0.01
	Mobile Home	0	0	0.00012	N/A	N/A	N/A
HWCons - Water Heater Pipe Insulation	Single Family	87	87	0.00012	0.0000	0.0000	0.00
	Multifamily	0	0	0.00012	N/A	N/A	N/A
	Mobile Home	0	0	0.00012	N/A	N/A	N/A
Water Heater Repair / Replace	Single Family	4	4	0.00012	0.0000	0.0000	0.00
	Multifamily	1	1	0.00012	0.0000	0.0000	0.00
	Mobile Home	1	1	0.00012	0.0000	0.0000	0.00
Weatherization	Single Family	7,717	7,717	0.00021	0.0105	0.0105	80.86
	Multifamily	8,787	8,787	0.00021	0.0104	0.0104	91.39
	Mobile Home	252	252	0.00021	0.0110	0.0110	2.76

Table 34: PG&E Detailed Impacts (kWh)

Measure Category	House Type	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
Room AC	Single Family	2,597	2,598	124.09	124.13	322,376
	Multifamily	436	436	25.27	25.27	11,020
	Mobile Home	169	171	134.52	136.11	23,003
Central AC	Single Family	78	78	145.14	145.14	11,321
	Multifamily	0	0	N/A	N/A	N/A
	Mobile Home	1	1	-138.96	-138.96	-139
Central AC Tune-Up	Single Family	10,639	10,909	231.57	237.45	2,526,192
	Multifamily	1,081	1,116	157.59	162.69	175,867
	Mobile Home	403	407	212.92	215.03	86,659
CFL	Single Family	76,590	364,012	16.00	76.04	5,824,192
	Multifamily	18,765	84,467	16.00	72.02	1,351,472
	Mobile Home	4,047	19,290	16.00	76.26	308,640
Duct Test Seal	Single Family	2,980	2,980	112.43	112.43	335,043
	Multifamily	0	0	N/A	N/A	N/A
	Mobile Home	27	27	94.58	94.58	2,554
Evaporative Cooler	Single Family	5,525	5,527	260.61	260.71	1,440,406
	Multifamily	0	0	N/A	N/A	N/A
	Mobile Home	316	316	287.37	287.37	90,808
HWD Lights	Single Family	69,182	211,442	48.33	147.70	10,217,935
	Multifamily	14,260	33,453	57.00	133.71	1,906,697
	Mobile Home	3,834	10,436	57.00	155.15	594,852
Insulation - Heating	Single Family	6,105	6,116	40.33	40.40	246,653
	Multifamily	185	187	39.97	40.40	7,474
	Mobile Home	0	0	N/A	N/A	N/A
Insulation - Cooling	Single Family	6,105	6,116	105.75	105.94	646,767
	Multifamily	185	187	104.81	105.94	19,599
	Mobile Home	0	0	N/A	N/A	N/A
Lighting*	Single Family	24,199	32,498	111.26	149.42	3,615,815
	Multifamily	1,996	2,125	39.90	42.48	84,788
	Mobile Home	219	247	39.90	45.00	9,855
Refrigerator	Single Family	13,298	13,298	655.36	655.36	8,714,930
	Multifamily	2,540	2,541	655.10	655.36	1,664,605
	Mobile Home	935	935	655.36	655.36	612,758
Weatherization - Heating	Single Family	51,047	281,212	30.13	165.98	8,472,571
	Multifamily	12,004	50,620	41.78	176.17	2,114,796
	Mobile Home	1,700	7,102	42.30	176.70	300,386
Weatherization - Cooling	Single Family	51,047	281,212	0.00	0.00	0
	Multifamily	12,004	50,620	0.00	0.00	0
	Mobile Home	1,700	7,102	0.00	0.00	0
HW Conservation	Single Family	4,519	13,190	123.34	360.00	1,626,840
	Multifamily	3,402	9,159	60.54	163.00	554,526
	Mobile Home	529	1,509	84.84	242.00	128,018

*Occupancy Sensor, Torchiere

Table 35: PG&E Detailed Impacts (kW)

Measure Category	House Type	Number of Households	Number Installed	kWh to kW Conversion Factor	Savings per Unit (kW)	Savings per Household (kW)	Total Program Savings (kW)
Room AC	Single Family	2,597	2,598	0.00018	0.0228	0.0228	59.24
	Multifamily	436	436	0.00018	0.0046	0.0046	2.02
	Mobile Home	169	171	0.00018	0.0247	0.0250	4.23
Central AC	Single Family	78	78	0.00018	0.0267	0.0267	2.08
	Multifamily	0	0	0.00018	N/A	N/A	N/A
	Mobile Home	1	1	0.00018	-0.0255	-0.0255	-0.03
Central AC Tune-Up	Single Family	10,639	10,909	0.00018	0.0426	0.0436	464.18
	Multifamily	1,081	1,116	0.00018	0.0290	0.0299	32.32
	Mobile Home	403	407	0.00018	0.0391	0.0395	15.92
CFL	Single Family	76,590	364,012	0.00013	0.0020	0.0097	742.50
	Multifamily	18,765	84,467	0.00013	0.0020	0.0092	172.29
	Mobile Home	4,047	19,290	0.00013	0.0020	0.0097	39.35
Duct Test Seal	Single Family	2,980	2,980	0.00016	0.0184	0.0184	54.78
	Multifamily	0	0	0.00016	N/A	N/A	N/A
	Mobile Home	27	27	0.00016	0.0155	0.0155	0.42
Evaporative Cooler	Single Family	5,525	5,527	0.00032	0.0845	0.0845	467.11
	Multifamily	0	0	0.00032	N/A	N/A	N/A
	Mobile Home	316	316	0.00032	0.0932	0.0932	29.45
HWD Lights	Single Family	69,182	211,442	0.00013	0.0062	0.0188	1,302.63
	Multifamily	14,260	33,453	0.00013	0.0073	0.0170	243.08
	Mobile Home	3,834	10,436	0.00013	0.0073	0.0198	75.83
Insulation - Heating	Single Family	6,105	6,116	0.00019	0.0078	0.0078	47.60
	Multifamily	185	187	0.00019	0.0077	0.0078	1.44
	Mobile Home	0	0	0.00019	N/A	N/A	N/A
Insulation - Cooling	Single Family	6,105	6,116	0.00019	0.0204	0.0204	124.83
	Multifamily	185	187	0.00019	0.0202	0.0204	3.78
	Mobile Home	0	0	0.00019	N/A	N/A	N/A
Lighting*	Single Family	24,199	32,498	0.00013	0.0142	0.0190	460.96
	Multifamily	1,996	2,125	0.00013	0.0051	0.0054	10.81
	Mobile Home	219	247	0.00013	0.0051	0.0057	1.26
Refrigerator	Single Family	13,298	13,298	0.00014	0.0891	0.0891	1,184.46
	Multifamily	2,540	2,541	0.00014	0.0890	0.0891	226.24
	Mobile Home	935	935	0.00014	0.0891	0.0891	83.28
Weatherization - Heating	Single Family	51,047	281,212	0.00019	0.0058	0.0320	1,635.21
	Multifamily	12,004	50,620	0.00019	0.0081	0.0340	408.16
	Mobile Home	1,700	7,102	0.00019	0.0082	0.0341	57.97
Weatherization - Cooling	Single Family	51,047	281,212	0.00019	0.0000	0.0000	0.00
	Multifamily	12,004	50,620	0.00019	0.0000	0.0000	0.00
	Mobile Home	1,700	7,102	0.00019	0.0000	0.0000	0.00
HW Conservation	Single Family	4,519	13,190	0.00015	0.0188	0.0548	247.43
	Multifamily	3,402	9,159	0.00015	0.0092	0.0248	84.34
	Mobile Home	529	1,509	0.00015	0.0129	0.0368	19.47

*Occupancy Sensor, Torchiere

Table 36: SCE Detailed Impacts (kWh)

Measure Category	House Type	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
AC Tune-Up	Single Family	26	26	204.00	204.00	5,304
	Multi-Family	2	2	27.00	27.00	54
	Mobile Home	4	4	26.00	26.00	104
Central AC	Single Family	4,393	4,394	148.19	148.23	651,156
	Multi-Family	163	163	252.95	252.95	41,231
	Mobile Home	321	321	280.40	280.40	90,010
CFL	Single Family	56,079	242,221	16.50	71.25	3,995,629
	Multi-Family	8,823	36,196	17.37	71.25	628,639
	Mobile Home	3,151	14,337	15.66	71.25	224,509
Central Heat Pump	Single Family	87	87	666.55	666.55	57,990
	Multi-Family	43	43	692.78	692.78	29,790
	Mobile Home	7	7	1066.92	1066.92	7,468
Duct Test Seal	Single Family	4,226	4,226	13.47	13.47	56,920
	Multi-Family	184	184	115.07	115.07	21,173
	Mobile Home	89	89	160.54	160.54	14,288
Evaporative Cooler	Single Family	15,092	15,092	446.62	446.62	6,740,372
	Mobile Home	878	878	466.97	466.97	409,997
Evaporative Cooler Tune Up	Single Family	9	9	37.13	37.13	334
Lighting Fixture	Single Family	835	1,177	35.00	49.33	41,191
Torchiere	Single Family	1,703	1,903	85.70	95.76	163,079
	Multi-Family	786	786	95.76	95.76	75,267
	Mobile Home	93	93	95.76	95.76	8,906
Pool Pump	Single Family	1,912	1,912	1088.00	1088.00	2,080,256
Refrigerator	Single Family	12,317	12,317	773.99	773.99	9,533,295
	Multi-Family	3,715	3,715	773.99	773.99	2,875,391
	Mobile Home	726	726	773.99	773.99	561,920
Room AC	Single Family	788	788	55.91	55.91	44,060
	Multi-Family	67	67	58.26	58.26	3,903
	Mobile Home	76	76	63.08	63.08	4,794
Faucet Aerators	Single Family	221	454	84.00	172.56	38,136
	Multi-Family	161	273	84.00	142.43	22,932
	Mobile Home	15	39	84.00	218.40	3,276
Low-Flow Showerhead	Single Family	215	291	84.00	113.69	24,444
	Multi-Family	192	216	84.00	94.50	18,144
	Mobile Home	13	19	84.00	122.77	1,596
Water Heater Blanket	Single Family	48	50	84.00	87.50	4,200
	Multi-Family	8	8	84.00	84.00	672
	Mobile Home	7	7	84.00	84.00	588
Water Heater Pipe Wrap	Single Family	52	53	84.00	85.62	4,452
	Multi-Family	5	5	84.00	84.00	420
	Mobile Home	7	7	84.00	84.00	588
Weatherization	Single Family	312	1,088	23.83	83.10	25,927
	Multi-Family	198	746	2.89	10.89	2,156
	Mobile Home	21	36	33.05	56.66	1,190

Table 37: SCE Detailed Impacts (kW)

Measure Category	House Type	Number of Households	Number Installed	kWh to kW Conversion Factor	Savings per Unit (kW)	Savings per Household (kW)	Total Program Savings (kW)
AC Tune-Up	Single Family	26	26	0.00015	0.0315	0.0315	0.82
	Multi-Family	2	2	0.00015	0.0042	0.0042	0.01
	Mobile Home	4	4	0.00015	0.0040	0.0040	0.02
Central AC	Single Family	4,393	4,394	0.00015	0.0229	0.0229	100.47
	Multi-Family	163	163	0.00015	0.0390	0.0390	6.36
	Mobile Home	321	321	0.00015	0.0433	0.0433	13.89
CFL	Single Family	56,079	242,221	0.00013	0.0021	0.0091	512.03
	Multi-Family	8,823	36,196	0.00013	0.0022	0.0091	80.56
	Mobile Home	3,151	14,337	0.00013	0.0020	0.0091	28.77
Central Heat Pump	Single Family	87	87	0.00045	0.3031	0.3031	26.37
	Multi-Family	43	43	0.00045	0.3150	0.3150	13.54
	Mobile Home	7	7	0.00045	0.4851	0.4851	3.40
Duct Test Seal	Single Family	4,226	4,226	0.00016	0.0022	0.0022	9.15
	Multi-Family	184	184	0.00016	0.0185	0.0185	3.40
	Mobile Home	89	89	0.00016	0.0258	0.0258	2.30
Evaporative Cooler	Single Family	15,092	15,092	0.00015	0.0689	0.0689	1040.05
	Mobile Home	878	878	0.00015	0.0721	0.0721	63.26
Evaporative Cooler Tune Up	Single Family	9	9	0.00015	0.0057	0.0057	0.05
Lighting Fixture	Single Family	835	1,177	0.00013	0.0045	0.0063	5.28
Torchiere	Single Family	1,703	1,903	0.00013	0.0110	0.0123	20.90
	Multi-Family	786	786	0.00013	0.0123	0.0123	9.65
	Mobile Home	93	93	0.00013	0.0123	0.0123	1.14
Pool Pump	Single Family	1,912	1,912	0.00005	0.0544	0.0544	104.10
Refrigerator	Single Family	12,317	12,317	0.00012	0.0933	0.0933	1149.38
	Multi-Family	3,715	3,715	0.00012	0.0933	0.0933	346.67
	Mobile Home	726	726	0.00012	0.0933	0.0933	67.75
Room AC	Single Family	788	788	0.00015	0.0086	0.0086	6.80
	Multi-Family	67	67	0.00015	0.0090	0.0090	0.60
	Mobile Home	76	76	0.00015	0.0097	0.0097	0.74
Faucet Aerators	Single Family	221	454	0.00012	0.0099	0.0204	4.51
	Multi-Family	161	273	0.00012	0.0099	0.0168	2.71
	Mobile Home	15	39	0.00012	0.0099	0.0258	0.39
Low-Flow Showerhead	Single Family	215	291	0.00012	0.0099	0.0134	2.89
	Multi-Family	192	216	0.00012	0.0099	0.0112	2.14
	Mobile Home	13	19	0.00012	0.0099	0.0145	0.19
Water Heater Blanket	Single Family	48	50	0.00012	0.0099	0.0103	0.50
	Multi-Family	8	8	0.00012	0.0099	0.0099	0.08
	Mobile Home	7	7	0.00012	0.0099	0.0099	0.07
Water Heater Pipe Wrap	Single Family	52	53	0.00012	0.0099	0.0101	0.53
	Multi-Family	5	5	0.00012	0.0099	0.0099	0.05
	Mobile Home	7	7	0.00012	0.0099	0.0099	0.07
Weatherization	Single Family	312	1,088	0.00012	0.0029	0.0100	3.13
	Multi-Family	198	746	0.00012	0.0003	0.0013	0.26
	Mobile Home	21	36	0.00012	0.0040	0.0068	0.14

Table 38: SDG&E Detailed Impacts (therms)

Measure Category	House Type	Number of Households	Number Installed	Savings per unit (therms)	Savings per Household (therms)	Total Program Savings (therms)
Duct Test Seal	Single Family	925	925	14.54	14.54	13,450
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	4	4	12.46	12.46	50
Furnace Clean & Tune	Single Family	4,985	5,271	9.17	9.69	48,327
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	239	240	10.66	10.70	2,558
Furnace Repair/Replace	Single Family	2,931	4,470	0.00	0.00	0
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	79	107	0.00	0.00	0
High Efficiency Clothes Washer	Single Family	1,513	1,515	15.86	15.88	24,023
	Multifamily	50	50	15.88	15.88	794
	Mobile Home	22	22	15.88	15.88	349
Insulation	Single Family	726	726	26.60	26.60	19,313
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	0	0	N/A	N/A	0
Pilot Light Conversion	Single Family	247	247	15.10	15.10	3,729
	Multifamily	32	32	15.10	15.10	483
	Mobile Home	31	31	15.10	15.10	468
HWCons - Faucet Aerator	Single Family	7,213	15,873	0.42	0.92	6,656
	Multifamily	2,978	6,212	0.15	0.31	925
	Mobile Home	179	338	0.20	0.37	66
HWCons - Low Flow Showerhead	Single Family	7,100	11,265	0.75	1.19	8,448
	Multifamily	2,864	3,987	0.27	0.37	1,062
	Mobile Home	180	257	0.35	0.50	90
HWCons - Thermostatic Shower Valve	Single Family	3,178	4,998	2.87	4.51	14,346
	Multifamily	633	946	1.02	1.52	964
	Mobile Home	5	6	1.34	1.61	8
HWCons - Water Heater Blanket	Single Family	736	740	0.49	0.49	364
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	51	51	0.23	0.23	12
HWCons - Water Heater Pipe Insulation	Single Family	402	404	0.05	0.05	21
	Multifamily	28	28	0.02	0.02	1
	Mobile Home	73	73	0.02	0.02	2
Water Heater Repair/Replace	Single Family	1,167	1,167	6.80	6.80	7,935
	Multifamily	52	52	6.80	6.80	354
	Mobile Home	17	17	6.80	6.80	116
Weatherization	Single Family	6,776	6,776	3.32	3.32	22,500
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	235	235	2.77	2.77	652

Table 39: PG&E Detailed Impacts (therms)

Measure Category	House Type	Number of Households	Number Installed	Savings per unit (therms)	Savings per Household (therms)	Total Program Savings (therms)
Duct Test Seal	Single Family	3,541	3,541	17.34	17.34	61,414.16
	Multifamily	0	0	N/A	N/A	N/A
	Mobile Home	37	37	4.55	4.55	168.22
Furnace Repair	Single Family	2,193	2,193	3.22	3.22	7,051.81
	Multifamily	1	1	-12.26	-12.26	-12.26
	Mobile Home	3	3	7.80	7.80	23.41
Furnace Replace	Single Family	1,218	1,218	3.31	3.31	4,030.00
	Multifamily	0	0	N/A	N/A	N/A
	Mobile Home	0	0	N/A	N/A	N/A
Insulation	Single Family	6,993	7,003	44.44	44.50	311,221.11
	Multifamily	172	174	43.74	44.25	7,611.17
	Mobile Home	0	0	N/A	N/A	N/A
Water Heater Repair/Replace	Single Family	1,292	1,316	5.47	5.58	7,204.93
	Multifamily	7	7	N/A	N/A	N/A
	Mobile Home	27	27	5.58	5.58	150.57
Weatherization	Single Family	58,690	321,201	1.87	10.22	599,971.35
	Multifamily	9,392	40,323	0.96	4.11	38,585.08
	Mobile Home	1,503	6,182	3.23	13.30	19,989.50
HW Conservation	Single Family	64,965	195,783	5.11	15.40	1,000,470.71
	Multifamily	13,006	35,941	2.53	7.00	91,042.15
	Mobile Home	1,691	4,706	3.74	10.40	17,586.32

Table 40: SCG Detailed Impacts (therms)

Measure Category	House Type	Number of Households	Number Installed	Savings per unit (therms)	Savings per Household (therms)	Total Program Savings (therms)
Clothes Washer	Single Family	4,533	4,533	30.88	30.88	139,991
	Multifamily	25	25	30.88	30.88	772
	Mobile Home	122	122	30.88	30.88	3,768
Duct Test Seal	Single Family	2,605	2,605	15.42	15.42	40,158
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	11	11	5.47	5.47	60
Furnace Clean & Tune	Single Family	19,767	20,379	5.55	5.72	113,025
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	432	432	2.66	2.66	1,149
Furnace Repair/Replace	Single Family	15,455	51,906	0.00	0.00	0
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	221	464	0.00	0.00	0
Insulation	Single Family	8,017	8,017	26.50	26.50	212,451
	Multifamily	219	219	27.19	27.19	5,955
	Mobile Home	0	0	N/A	N/A	0
Pilot Light Conversion	Single Family	97	103	42.00	44.60	4,326
	Multifamily	2	2	42.00	42.00	84
	Mobile Home	10	10	42.00	42.00	420
Water Heater Repair/Replace	Single Family	1,752	1,752	3.52	3.52	6,166
	Multifamily	0	0	N/A	N/A	0
	Mobile Home	67	67	3.52	3.52	236
Weatherization	Single Family	92,345	92,345	4.15	4.15	383,585
	Multifamily	14,129	14,129	1.97	1.97	27,873
	Mobile Home	2,596	2,596	7.97	7.97	20,703
HW Conservation	Single Family	96,023	333,347	0.95	3.31	317,441
	Multifamily	15,518	46,951	1.09	3.31	51,301
	Mobile Home	2,598	9,084	0.95	3.31	8,589

Table 41: SDG&E Detailed Impacts by Climate Zone (kWh)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
Central AC	Single Family	10	11	11	38.66	38.66	425
	Multifamily	All	0	0	N/A	N/A	0
	Mobile Home	10	19	19	0.00	0.00	0
Central AC Tune-Up	Single Family	7	8	8	81.72	81.72	654
	Single Family	10	50	50	255.54	255.54	12,777
	Multifamily	7	1	1	87.80	87.80	88
	Mobile Home	All	0	0	N/A	N/A	0
CFL	Single Family	All	8,334	60,376	16.62	120.40	1,003,449
	Multifamily	All	7,873	43,363	18.78	103.44	814,357
	Mobile Home	All	281	2,062	14.86	109.04	30,641
Duct Test Seal	Single Family	7	419	419	55.72	55.72	23,347
	Single Family	10	514	514	55.72	55.72	28,640
	Multifamily	All	0	0	N/A	N/A	0
	Mobile Home	10	4	4	55.72	55.72	223
High Efficiency Clothes Washer	Single Family	All	1,575	1,577	122.90	123.05	193,811
	Multifamily	All	67	67	123.05	123.05	8,245
	Mobile Home	All	26	26	123.05	123.05	3,199
HWD Lights	Single Family	All	4,942	14,259	41.99	121.17	598,798
	Multifamily	All	1,569	3,156	53.56	107.73	169,035
	Mobile Home	All	130	332	31.89	81.44	10,587
Insulation - Heating	Single Family	7	359	359	0.00	0.00	0
	Single Family	10	429	429	0.00	0.00	0
	Single Family	15	1	1	0.00	0.00	0
	Multifamily	All	0	0	N/A	N/A	0
	Mobile Home	All	0	0	N/A	N/A	0
Insulation - Cooling	Single Family	7	359	359	100.76	100.76	36,173
	Single Family	10	429	429	94.72	94.72	40,636
	Single Family	15	1	1	55.83	55.83	56
	Multifamily	All	0	0	N/A	N/A	0
	Mobile Home	All	0	0	N/A	N/A	0
Lighting - LED Night Lights	Single Family	All	9,456	25,569	1.09	2.93	27,749
	Multifamily	All	10,697	27,918	1.12	2.93	31,391
	Mobile Home	All	299	466	1.88	2.93	877
Lighting - Torchiere	Single Family	All	3,263	5,185	21.43	34.06	111,133
	Multifamily	All	3,317	4,519	25.00	34.06	112,972
	Mobile Home	All	32	42	25.95	34.06	1,090

Table 42: SDG&E Detailed Impacts by Climate Zone (kWh) (cont'd)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
Microwaves	Single Family	All	466	467	66.37	66.52	30,996
	Multifamily	All	1,056	1,056	66.52	66.52	70,241
	Mobile Home	All	2	2	66.52	66.52	133
Refrigerator	Single Family	All	1,325	1,385	612.67	640.42	848,554
	Multifamily	All	442	451	627.64	640.42	283,065
	Mobile Home	All	43	44	625.86	640.42	27,538
Room AC	Single Family	10	96	116	25.68	31.03	2,979
	Multifamily	10	209	216	24.74	25.57	5,344
	Mobile Home	All	0	0	N/A	N/A	0
HWCons - Faucet Aerator	Single Family	All	443	925	2.20	4.59	2,032
	Multifamily	All	822	1,564	1.38	2.63	2,160
	Mobile Home	All	6	9	0.79	1.18	7
HWCons - Low Flow Showerhead	Single Family	All	442	636	3.97	5.72	2,527
	Multifamily	All	0	0	N/A	N/A	N/A
	Mobile Home	All	7	10	1.42	2.03	14
HWCons - Thermostatic Shower Valve	Single Family	All	158	221	64.98	90.89	14,360
	Multifamily	All	114	140	40.85	50.17	5,719
	Mobile Home	All	0	0	N/A	N/A	N/A
HWCons - Water Heater Blanket	Single Family	All	30	30	3.90	3.90	117
	Multifamily	All	22	23	2.45	2.57	56
	Mobile Home	All	0	0	N/A	N/A	N/A
HWCons - Water Heater Pipe Insulation	Single Family	All	87	87	0.39	0.39	34
	Multifamily	All	0	0	N/A	N/A	N/A
	Mobile Home	All	0	0	N/A	N/A	N/A
Water Heater Repair/Replace	Single Family	All	4	4	0.00	0.00	0
	Multifamily	All	1	1	0.00	0.00	0
	Mobile Home	All	1	1	0.00	0.00	0
Weatherization	Single Family	7	3,617	3,617	45.22	45.22	163,561
	Single Family	10	4,073	4,073	53.75	53.75	218,924
	Single Family	14	17	17	50.45	50.45	858
	Single Family	15	10	10	43.02	43.02	430
	Multifamily	7	4,484	4,484	45.22	45.22	202,766
	Multifamily	10	4,303	4,303	53.75	53.75	231,286
	Mobile Home	7	48	48	45.22	45.22	2,171
	Mobile Home	10	202	202	53.75	53.75	10,858
	Mobile Home	15	2	2	43.02	43.02	86

Table 43: SDG&E Detailed Impacts by Climate Zone (kW)

Measure Category	House Type	Climate Zone	kWh to kW	Savings per Unit (kW)	Savings per Household (kW)	Total Program Savings (kW)
			Conversion Factor			
Central AC	Single Family	10	0.00019	0.0075	0.0075	0.08
	Multifamily	All	0.00019	N/A	N/A	N/A
	Mobile Home	10	0.00019	0.0000	0.0000	0.00
Central AC Tune-Up	Single Family	7	0.00019	0.0158	0.0158	0.13
	Single Family	10	0.00019	0.0496	0.0496	2.48
	Multifamily	7	0.00019	0.0170	0.0170	0.02
	Mobile Home	All	0.00019	N/A	N/A	N/A
CFL	Single Family	All	0.00012	0.0020	0.0146	121.98
	Multifamily	All	0.00012	0.0023	0.0126	98.99
	Mobile Home	All	0.00012	0.0018	0.0133	3.72
Duct Test Seal	Single Family	7	0.00021	0.0117	0.0117	4.92
	Single Family	10	0.00021	0.0117	0.0117	6.04
	Multifamily	All	0.00021	N/A	N/A	N/A
	Mobile Home	10	0.00021	0.0117	0.0117	0.05
High Efficiency Clothes Washer	Single Family	All	0.00013	0.0158	0.0158	24.87
	Multifamily	All	0.00013	0.0158	0.0158	1.06
	Mobile Home	All	0.00013	0.0158	0.0158	0.41
HWD Lights	Single Family	All	0.00007	0.0029	0.0082	40.75
	Multifamily	All	0.00007	0.0036	0.0073	11.50
	Mobile Home	All	0.00007	0.0022	0.0055	0.72
Insulation - Heating	Single Family	7	0.00019	0.0000	0.0000	0.00
	Single Family	10	0.00019	0.0000	0.0000	0.00
	Single Family	15	0.00019	0.0000	0.0000	0.00
	Multifamily	All	0.00019	N/A	N/A	N/A
	Mobile Home	All	0.00019	N/A	N/A	N/A
Insulation - Cooling	Single Family	7	0.00019	0.0195	0.0195	7.01
	Single Family	10	0.00019	0.0184	0.0184	7.88
	Single Family	15	0.00019	0.0108	0.0108	0.01
	Multifamily	All	0.00019	N/A	N/A	N/A
	Mobile Home	All	0.00019	N/A	N/A	N/A
Lighting - LED Night Lights	Single Family	All	0.00012	0.0001	0.0004	3.46
	Multifamily	All	0.00012	0.0001	0.0004	3.92
	Mobile Home	All	0.00012	0.0002	0.0004	0.11
Lighting - Torchiere	Single Family	All	0.00012	0.0027	0.0042	13.87
	Multifamily	All	0.00012	0.0031	0.0042	14.10
	Mobile Home	All	0.00012	0.0032	0.0042	0.14

Table 44: SDG&E Detailed Impacts by Climate Zone (kW) (cont'd)

Measure Category	House Type	Climate Zone	kWh to kW	Savings per Unit (kW)	Savings per Household (kW)	Total Program Savings (kW)
			Conversion Factor			
Microwaves	Single Family	All	0.00020	0.0132	0.0132	6.17
	Multifamily	All	0.00020	0.0132	0.0132	13.98
	Mobile Home	All	0.00020	0.0132	0.0132	0.03
Refrigerator	Single Family	All	0.00012	0.0723	0.0756	100.15
	Multifamily	All	0.00012	0.0741	0.0756	33.41
	Mobile Home	All	0.00012	0.0739	0.0756	3.25
Room AC	Single Family	10	0.00019	0.0050	0.0060	0.58
	Multifamily	10	0.00019	0.0048	0.0050	1.04
	Mobile Home	All	0.00019	N/A	N/A	N/A
HWCons - Faucet Aerator	Single Family	All	0.00012	0.0003	0.0005	0.24
	Multifamily	All	0.00012	0.0002	0.0003	0.26
	Mobile Home	All	0.00012	0.0001	0.0001	0.00
HWCons - Low Flow Showerhead	Single Family	All	0.00012	0.0005	0.0007	0.30
	Multifamily	All	0.00012	N/A	N/A	N/A
	Mobile Home	All	0.00012	0.0002	0.0002	0.00
HWCons - Thermostatic Shower Valve	Single Family	All	0.00012	0.0077	0.0107	1.70
	Multifamily	All	0.00012	0.0048	0.0059	0.68
	Mobile Home	All	0.00012	N/A	N/A	N/A
HWCons - Water Heater Blanket	Single Family	All	0.00012	0.0005	0.0005	0.01
	Multifamily	All	0.00012	0.0003	0.0003	0.01
	Mobile Home	All	0.00012	N/A	N/A	N/A
HWCons - Water Heater Pipe Insulation	Single Family	All	0.00012	0.0000	0.0000	0.00
	Multifamily	All	0.00012	N/A	N/A	N/A
	Mobile Home	All	0.00012	N/A	N/A	N/A
Water Heater Repair/Replace	Single Family	All	0.00012	0.0000	0.0000	0.00
	Multifamily	All	0.00012	0.0000	0.0000	0.00
	Mobile Home	All	0.00012	0.0000	0.0000	0.00
Weatherization	Single Family	7	0.00021	0.0095	0.0095	34.47
	Single Family	10	0.00021	0.0113	0.0113	46.14
	Single Family	14	0.00021	0.0106	0.0106	0.18
	Single Family	15	0.00021	0.0091	0.0091	0.09
	Multifamily	7	0.00021	0.0095	0.0095	42.73
	Multifamily	10	0.00021	0.0113	0.0113	48.74
	Mobile Home	7	0.00021	0.0095	0.0095	0.46
	Mobile Home	10	0.00021	0.0113	0.0113	2.29
	Mobile Home	15	0.00021	0.0091	0.0091	0.02

Table 45: PG&E Detailed Impacts by Climate Zone (kWh)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
Room AC	Single Family	3	2	2	14.09	14.09	28
	Single Family	11	313	313	98.47	98.47	30,821
	Single Family	12	1,461	1,466	86.77	87.07	127,205
	Single Family	13	793	794	202.92	203.18	161,118
	Single Family	16	12	12	153.23	153.23	1,839
	Multifamily	11	41	41	31.96	31.96	1,310
	Multifamily	12	343	343	20.17	20.17	6,918
	Multifamily	13	46	46	57.38	57.38	2,639
	Mobile Home	11	29	29	93.03	93.03	2,698
	Mobile Home	12	47	47	84.99	84.99	3,995
	Mobile Home	13	88	90	173.76	177.71	15,638
Central AC	Single Family	11-13	78	78	145.14	145.14	11,321
	Mobile Home	12	1	1	-138.96	-138.96	-139
Central AC Tune-Up	Single Family	2	68	76	67.01	74.89	5,093
	Single Family	3	68	71	23.83	24.88	1,692
	Single Family	4	354	368	104.27	108.39	38,371
	Single Family	11	1,479	1,521	275.38	283.20	418,853
	Single Family	12	6,025	6,179	196.70	201.73	1,215,409
	Single Family	13	2,638	2,687	314.79	320.64	845,841
	Single Family	16	7	7	133.22	133.22	933
	Multifamily	3	3	3	11.45	11.45	34
	Multifamily	4	25	25	57.20	57.20	1,430
	Multifamily	11	217	218	185.37	186.22	40,411
	Multifamily	12	477	507	105.40	112.03	53,438
	Multifamily	13	358	362	222.31	224.79	80,476
	Multifamily	16	1	1	78.17	78.17	78
	Mobile Home	2	7	7	69.13	69.13	484
	Mobile Home	3	4	4	21.66	21.66	87
	Mobile Home	4	2	2	85.58	85.58	171
	Mobile Home	11	206	206	227.94	227.94	46,956
	Mobile Home	12	110	114	172.68	178.96	19,686
	Mobile Home	13	73	73	262.46	262.46	19,160
Mobile Home	16	1	1	116.61	116.61	117	
Duct Test Seal	Single Family	1	21	21	188.78	188.78	3,964
	Single Family	2	107	107	124.08	124.08	13,277
	Single Family	3	797	797	147.08	147.08	117,226
	Single Family	4	1,205	1,205	140.34	140.34	169,113
	Single Family	11	35	35	54.87	54.87	1,921
	Single Family	12	420	420	88.17	88.17	37,033
	Single Family	13	394	394	0.00	0.00	0
	Single Family	16	1	1	0.00	0.00	0
	Mobile Home	1	5	5	188.75	188.75	944
	Mobile Home	2	7	7	132.88	132.88	930
	Mobile Home	3	3	3	142.02	142.02	426
	Mobile Home	4	1	1	142.66	142.66	143
	Mobile Home	11	3	3	24.39	24.39	73
	Mobile Home	12	1	1	48.94	48.94	49
	Mobile Home	13	7	7	0.00	0.00	0

Table 46: PG&E Detailed Impacts by Climate Zone (kWh) (cont'd)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
Evaporative Cooler	Single Family	11	138	138	145.67	145.67	20,102
	Single Family	12	2,237	2,237	164.29	164.29	367,517
	Single Family	13	3,130	3,132	334.06	334.27	1,046,276
	Single Family	16	20	20	325.56	325.56	6,511
	Mobile Home	11	16	16	184.47	184.47	2,952
	Mobile Home	12	59	59	171.81	171.81	10,137
	Mobile Home	13	236	236	324.23	324.23	76,518
	Mobile Home	16	5	5	240.25	240.25	1,201
Insulation - Heating	Single Family	1	183	183	62.38	62.38	11,416
	Single Family	2	213	213	49.55	49.55	10,553
	Single Family	3	1,617	1,623	42.59	42.75	69,130
	Single Family	4	1,314	1,314	38.71	38.71	50,864
	Single Family	11	511	512	43.22	43.30	22,127
	Single Family	12	1,512	1,514	37.77	37.82	57,178
	Single Family	13	734	736	33.10	33.19	24,364
	Single Family	16	21	21	44.25	44.25	929
	Multifamily	2	18	18	44.25	44.25	797
	Multifamily	3	14	14	41.85	41.85	586
	Multifamily	4	133	135	37.91	38.48	5,118
	Multifamily	12	12	12	39.01	39.01	468
	Multifamily	13	8	8	34.68	34.68	277
Insulation - Cooling	Single Family	1	183	183	6.72	6.72	1,231
	Single Family	2	213	213	80.23	80.23	17,089
	Single Family	3	1,617	1,623	45.28	45.45	73,495
	Single Family	4	1,314	1,314	60.70	60.70	79,756
	Single Family	11	511	512	161.35	161.67	82,613
	Single Family	12	1,512	1,514	142.70	142.89	216,049
	Single Family	13	734	736	247.25	247.92	181,975
	Single Family	16	21	21	179.51	179.51	3,770
	Multifamily	2	18	18	179.51	179.51	3,231
	Multifamily	3	14	14	179.51	179.51	2,513
	Multifamily	4	133	135	61.99	62.92	8,369
	Multifamily	12	12	12	129.71	129.71	1,557
	Multifamily	13	8	8	275.61	275.61	2,205
	Weatherization	Single Family	1	920	4,180	37.81	171.79
Single Family		2	2,490	12,169	16.86	82.39	205,147
Single Family		3	10,407	57,542	0.00	0.00	0
Single Family		4	8,200	48,709	0.00	0.00	0
Single Family		11	5,344	27,671	13.34	69.05	369,002
Single Family		12	13,877	69,146	0.00	0.00	0
Single Family		13	9,654	60,946	3.74	23.64	228,196
Single Family		16	155	849	19.69	107.85	16,717
Multifamily		1	187	780	41.40	172.70	32,296
Multifamily		2	1,726	7,263	18.03	75.86	130,929
Multifamily		4	2,786	12,932	0.00	0.00	0
Multifamily		11	1,201	4,594	22.04	84.32	101,273
Multifamily		12	3,643	14,175	2.80	10.88	39,629
Multifamily		13	2,453	10,843	6.29	27.79	68,169
Multifamily		16	8	33	41.75	172.22	1,378
Mobile Home		1	46	173	46.62	175.33	8,065
Mobile Home		2	122	474	32.80	127.42	15,545
Mobile Home		3	172	693	3.17	12.78	2,198
Mobile Home		4	108	415	0.00	0.00	0
Mobile Home		11	644	2,737	12.08	51.34	33,065
Mobile Home		12	297	1,155	0.00	0.00	0
Mobile Home		13	289	1,369	4.59	21.73	6,281
Mobile Home		16	22	86	21.18	82.78	1,821

Table 47: PG&E Detailed Impacts by Climate Zone (kW)

Measure Category	House Type	Climate Zone	kWh to kW	Savings per	Savings per	Total Program Savings (kW)
			Conversion Factor	Unit (kW)	Household (kW)	
Room AC	Single Family	3	0.00018	0.0026	0.0026	0.01
	Single Family	11	0.00018	0.0181	0.0181	5.66
	Single Family	12	0.00018	0.0159	0.0160	23.37
	Single Family	13	0.00018	0.0373	0.0373	29.61
	Single Family	16	0.00018	0.0282	0.0282	0.34
	Multifamily	11	0.00018	0.0059	0.0059	0.24
	Multifamily	12	0.00018	0.0037	0.0037	1.27
	Multifamily	13	0.00018	0.0105	0.0105	0.48
	Mobile Home	11	0.00018	0.0171	0.0171	0.50
	Mobile Home	12	0.00018	0.0156	0.0156	0.73
	Mobile Home	13	0.00018	0.0313	0.0320	2.81
Central AC	Single Family	11-13	0.00018	0.0267	0.0267	2.08
	Mobile Home	12	0.00018	-0.0255	-0.0255	-0.03
Central AC Tune-Up	Single Family	2	0.00018	0.0123	0.0138	0.94
	Single Family	3	0.00018	0.0044	0.0046	0.31
	Single Family	4	0.00018	0.0192	0.0199	7.05
	Single Family	11	0.00018	0.0506	0.0520	76.96
	Single Family	12	0.00018	0.0361	0.0371	223.33
	Single Family	13	0.00018	0.0578	0.0589	155.42
	Single Family	16	0.00018	0.0245	0.0245	0.17
	Multifamily	3	0.00018	0.0021	0.0021	0.01
	Multifamily	4	0.00018	0.0105	0.0105	0.26
	Multifamily	11	0.00018	0.0341	0.0342	7.43
	Multifamily	12	0.00018	0.0194	0.0206	9.82
	Multifamily	13	0.00018	0.0408	0.0413	14.79
	Multifamily	16	0.00018	0.0144	0.0144	0.01
	Mobile Home	2	0.00018	0.0127	0.0127	0.09
	Mobile Home	3	0.00018	0.0040	0.0040	0.02
	Mobile Home	4	0.00018	0.0157	0.0157	0.03
	Mobile Home	11	0.00018	0.0419	0.0419	8.63
	Mobile Home	12	0.00018	0.0317	0.0329	3.62
	Mobile Home	13	0.00018	0.0482	0.0482	3.52
	Mobile Home	16	0.00018	0.0214	0.0214	0.02
Duct Test Seal	Single Family	1	0.00016	0.0309	0.0309	0.65
	Single Family	2	0.00016	0.0203	0.0203	2.17
	Single Family	3	0.00016	0.0240	0.0240	19.17
	Single Family	4	0.00016	0.0229	0.0229	27.65
	Single Family	11	0.00016	0.0090	0.0090	0.31
	Single Family	12	0.00016	0.0144	0.0144	6.05
	Single Family	13	0.00016	0.0000	0.0000	0.00
	Single Family	16	0.00016	0.0000	0.0000	0.00
	Mobile Home	1	0.00016	0.0309	0.0309	0.15
	Mobile Home	2	0.00016	0.0217	0.0217	0.15
	Mobile Home	3	0.00016	0.0232	0.0232	0.07
	Mobile Home	4	0.00016	0.0233	0.0233	0.02
	Mobile Home	11	0.00016	0.0040	0.0040	0.01
	Mobile Home	12	0.00016	0.0080	0.0080	0.01
	Mobile Home	13	0.00016	0.0000	0.0000	0.00

Table 48: PG&E Detailed Impacts by Climate Zone (kW) (cont'd)

Measure Category	House Type	Climate Zone	kWh to kW		Savings per	
			Conversion Factor	Savings per Unit (kW)	Household (kW)	Total Program Savings (kW)
Evaporative Cooler	Single Family	11	0.00032	0.0472	0.0472	6.52
	Single Family	12	0.00032	0.0533	0.0533	119.18
	Single Family	13	0.00032	0.1083	0.1084	339.30
	Single Family	16	0.00032	0.1056	0.1056	2.11
	Mobile Home	11	0.00032	0.0598	0.0598	0.96
	Mobile Home	12	0.00032	0.0557	0.0557	3.29
	Mobile Home	13	0.00032	0.1051	0.1051	24.81
	Mobile Home	16	0.00032	0.0779	0.0779	0.39
Insulation - Heating	Single Family	1	0.00019	0.0353	0.0353	0.04
	Single Family	2	0.00019	0.0411	0.0411	0.08
	Single Family	3	0.00019	0.3121	0.3132	0.94
	Single Family	4	0.00019	0.2536	0.2536	1.01
	Single Family	11	0.00019	0.0986	0.0988	1.08
	Single Family	12	0.00019	0.2918	0.2922	3.50
	Single Family	13	0.00019	0.1417	0.1420	1.84
	Single Family	16	0.00019	0.0041	0.0041	0.06
	Multifamily	2	0.00019	0.0035	0.0035	0.01
	Multifamily	3	0.00019	0.0027	0.0027	0.01
	Multifamily	4	0.00019	0.0257	0.0261	0.10
	Multifamily	12	0.00019	0.0023	0.0023	0.03
	Multifamily	13	0.00019	0.0015	0.0015	0.02
	Insulation - Cooling	Single Family	1	0.00019	0.0353	0.0353
Single Family		2	0.00019	0.0411	0.0411	0.08
Single Family		3	0.00019	0.3121	0.3132	0.94
Single Family		4	0.00019	0.2536	0.2536	1.01
Single Family		11	0.00019	0.0986	0.0988	1.08
Single Family		12	0.00019	0.2918	0.2922	3.50
Single Family		13	0.00019	0.1417	0.1420	1.84
Single Family		16	0.00019	0.0041	0.0041	0.06
Multifamily		2	0.00019	0.0035	0.0035	0.01
Multifamily		3	0.00019	0.0027	0.0027	0.01
Multifamily		4	0.00019	0.0257	0.0261	0.10
Multifamily		12	0.00019	0.0023	0.0023	0.03
Multifamily		13	0.00019	0.0015	0.0015	0.02
Weatherization		Single Family	1	0.00019	0.0073	0.0332
	Single Family	2	0.00019	0.0033	0.0159	39.59
	Single Family	3	0.00019	0.0000	0.0000	0.00
	Single Family	4	0.00019	0.0000	0.0000	0.00
	Single Family	11	0.00019	0.0026	0.0133	71.22
	Single Family	12	0.00019	0.0000	0.0000	0.00
	Single Family	13	0.00019	0.0007	0.0046	44.04
	Single Family	16	0.00019	0.0038	0.0208	3.23
	Multifamily	1	0.00019	0.0080	0.0333	6.23
	Multifamily	2	0.00019	0.0035	0.0146	25.27
	Multifamily	4	0.00019	0.0000	0.0000	0.00
	Multifamily	11	0.00019	0.0043	0.0163	19.55
	Multifamily	12	0.00019	0.0005	0.0021	7.65
	Multifamily	13	0.00019	0.0012	0.0054	13.16
	Multifamily	16	0.00019	0.0081	0.0332	0.27
	Mobile Home	1	0.00019	0.0090	0.0338	1.56
	Mobile Home	2	0.00019	0.0063	0.0246	3.00
	Mobile Home	3	0.00019	0.0006	0.0025	0.42
	Mobile Home	4	0.00019	0.0000	0.0000	0.00
	Mobile Home	11	0.00019	0.0023	0.0099	6.38
	Mobile Home	12	0.00019	0.0000	0.0000	0.00
	Mobile Home	13	0.00019	0.0009	0.0042	1.21
	Mobile Home	16	0.00019	0.0041	0.0160	0.35

Table 49: SCE Detailed Impacts by Climate Zone (kWh)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
AC Tune-Up	Single Family	13	2	2	204.00	204.00	408
	Single Family	14	15	15	204.00	204.00	3,060
	Single Family	15	9	9	204.00	204.00	1,836
	Multi-Family	15	2	2	27.00	27.00	54
	Mobile Home	15	4	4	26.00	26.00	104
Central AC	Single Family	14	3,673	3,673	100.68	100.68	369,802
	Single Family	15	720	721	397.92	398.47	286,897
	Multi-Family	14	81	81	97.02	97.02	7,859
	Multi-Family	15	82	82	397.39	397.39	32,586
	Mobile Home	14	128	128	108.66	108.66	13,908
	Mobile Home	15	193	193	397.39	397.39	76,696
CFL	Single Family	All	56,079	242,221	16.50	71.25	3,995,629
	Multi-Family	All	8,823	36,196	17.37	71.25	628,639
	Mobile Home	All	3,151	14,337	15.66	71.25	224,509
Central Heat Pump	Single Family	14	37	37	773.65	773.65	28,625.01
	Single Family	15	50	50	587.30	587.30	29,365.20
	Multi-Family	14	5	5	831.64	831.64	4,158.20
	Multi-Family	15	38	38	674.51	674.51	25,631.38
	Mobile Home	14	1	1	1,115.06	1,115.06	1,115.06
	Mobile Home	15	4	4	1,058.90	1,058.90	4,235.60
Duct Test Seal	Single Family	All	4,226	4,226	13.47	13.47	56,920
	Multi-Family	All	184	184	115.07	115.07	21,173
	Mobile Home	All	89	89	160.54	160.54	14,288
Evaporative Cooler	Single Family	10	8,028	8,028	399.37	399.37	3,206,181
	Single Family	13	1,991	1,991	452.23	452.23	900,384
	Single Family	14	4,641	4,641	469.61	469.61	2,179,447
	Single Family	15	412	412	1,140.12	1,140.12	469,730
	Single Family	16	20	20	69.91	69.91	1,398
	Mobile Home	10	557	557	387.16	387.16	215,649
	Mobile Home	13	110	110	451.79	451.79	49,696
	Mobile Home	14	144	144	487.57	487.57	70,210
	Mobile Home	15	64	64	1,137.69	1,137.69	72,812
	Mobile Home	16	3	3	274.19	274.19	823
Evaporative Cooler Tune-Up	Single Family	9	2	2	37.13	37.13	74
	Single Family	10	6	6	41.00	41.00	246
	Single Family	13	1	1	88.20	88.20	88
Lighting Fixture	Single Family	All	835	1,177	35.00	49.33	41,191
Torchiere	Single Family	All	1,703	1,903	85.70	95.76	163,079
	Multi-Family	All	786	786	95.76	95.76	75,267
	Mobile Home	All	93	93	95.76	95.76	8,906

Table 50: SCE Detailed Impacts by Climate Zone (kWh) (cont'd)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (kWh)	Savings per Household (kWh)	Total Program Savings (kWh)
Pool Pump	Single Family	All	1,912	1,912	1,088.00	1,088.00	2,080,256
Refrigerator	Single Family	All	12,317	12,317	773.99	773.99	9,533,295
	Multi-Family	All	3,715	3,715	773.99	773.99	2,875,391
	Mobile Home	All	726	726	773.99	773.99	561,920
Room AC	Single Family	10	410	410	44.35	44.35	18,183
	Single Family	13	278	278	58.98	58.98	16,395
	Single Family	14	85	85	63.79	63.79	5,422
	Single Family	15	15	15	249.37	249.37	3,741
	Multi-Family	10	30	30	43.29	43.29	1,299
	Multi-Family	13	1	1	58.37	58.37	58
	Multi-Family	14	35	35	61.50	61.50	2,153
	Multi-Family	15	1	1	248.70	248.70	249
	Mobile Home	10	35	35	40.97	40.97	1,434
	Mobile Home	13	29	29	58.85	58.85	1,707
	Mobile Home	14	8	8	68.76	68.76	550
	Mobile Home	15	4	4	248.70	248.70	995
	Faucet Aerators	Single Family	All	221	454	84.00	172.56
Multi-Family		All	161	273	84.00	142.43	22,932
Mobile Home		All	15	39	84.00	218.40	3,276
Low-Flow Showerhead	Single Family	All	215	291	84.00	113.69	24,444
	Multi-Family	All	192	216	84.00	94.50	18,144
	Mobile Home	All	13	19	84.00	122.77	1,596
Water Heater Blanket	Single Family	All	48	50	84.00	87.50	4,200
	Multi-Family	All	8	8	84.00	84.00	672
	Mobile Home	All	7	7	84.00	84.00	588
Water Heater Pipe Wrap	Single Family	All	52	53	84.00	85.62	4,452
	Multi-Family	All	5	5	84.00	84.00	420
	Mobile Home	All	7	7	84.00	84.00	588
Weatherization	Single Family	8	37	142	2.02	7.76	287
	Single Family	9	74	354	21.60	103.31	7,645
	Single Family	10	66	175	11.23	29.77	1,965
	Single Family	13	23	49	30.89	65.82	1,514
	Single Family	14	74	270	7.43	27.12	2,007
	Single Family	15	37	92	143.75	357.43	13,225
	Single Family	16	1	6	0.20	1.18	1
	Multi-Family	8	160	663	2.24	9.27	1,483
	Multi-Family	10	31	66	7.42	15.79	490
	Multi-Family	13	4	8	26.18	52.35	209
	Multi-Family	14	3	9	18.48	55.45	166
	Mobile Home	10	4	7	31.02	54.29	217
	Mobile Home	13	3	4	73.62	98.16	294
	Mobile Home	14	10	20	24.55	49.10	491
	Mobile Home	15	3	4	40.50	54.00	162
	Mobile Home	16	1	1	34.00	34.00	34

Table 51: SCE Detailed Impacts by Climate Zone (kW)

Measure Category	House Type	Climate Zone	kWh to kW	Savings per	Savings per	Total Program Savings (kW)
			Conversion Factor	Unit (kW)	Household (kW)	
AC Tune-Up	Single Family	13	0.00015	0.0315	0.0315	0.06
	Single Family	14	0.00015	0.0315	0.0315	0.47
	Single Family	15	0.00015	0.0315	0.0315	0.28
	Multi-Family	15	0.00015	0.0042	0.0042	0.01
	Mobile Home	15	0.00015	0.0040	0.0040	0.02
Central AC	Single Family	14	0.00015	0.0155	0.0155	57.06
	Single Family	15	0.00015	0.0614	0.0615	44.27
	Multi-Family	14	0.00015	0.0150	0.0150	1.21
	Multi-Family	15	0.00015	0.0613	0.0613	5.03
	Mobile Home	14	0.00015	0.0168	0.0168	2.15
	Mobile Home	15	0.00015	0.0613	0.0613	11.83
CFL	Single Family	All	0.00013	0.0021	0.0091	512.03
	Multi-Family	All	0.00013	0.0022	0.0091	80.56
	Mobile Home	All	0.00013	0.0020	0.0091	28.77
Central Heat Pump	Single Family	14	0.00045	0.3518	0.3518	13.02
	Single Family	15	0.00045	0.2670	0.2670	13.35
	Multi-Family	14	0.00045	0.3781	0.3781	1.89
	Multi-Family	15	0.00045	0.3067	0.3067	11.65
	Mobile Home	14	0.00045	0.5070	0.5070	0.51
	Mobile Home	15	0.00045	0.4815	0.4815	1.93
Duct Test Seal	Single Family	All	0.00016	0.0022	0.0022	9.15
	Multi-Family	All	0.00016	0.0185	0.0185	3.40
	Mobile Home	All	0.00016	0.0258	0.0258	2.30
Evaporative Cooler	Single Family	10	0.00015	0.0616	0.0616	494.72
	Single Family	13	0.00015	0.0698	0.0698	138.93
	Single Family	14	0.00015	0.0725	0.0725	336.29
	Single Family	15	0.00015	0.1759	0.1759	72.48
	Single Family	16	0.00015	0.0108	0.0108	0.22
	Mobile Home	10	0.00015	0.0597	0.0597	33.28
	Mobile Home	13	0.00015	0.0697	0.0697	7.67
	Mobile Home	14	0.00015	0.0752	0.0752	10.83
	Mobile Home	15	0.00015	0.1755	0.1755	11.24
	Mobile Home	16	0.00015	0.0423	0.0423	0.13
Evaporative Cooler Tune-Up	Single Family	9	0.00015	0.0057	0.0057	0.01
	Single Family	10	0.00015	0.0063	0.0063	0.04
	Single Family	13	0.00015	0.0136	0.0136	0.01
Lighting Fixture	Single Family	All	0.00013	0.0045	0.0063	5.28
Torchiere	Single Family	All	0.00013	0.0110	0.0123	20.90
	Multi-Family	All	0.00013	0.0123	0.0123	9.65
	Mobile Home	All	0.00013	0.0123	0.0123	1.14

Table 52: SCE Detailed Impacts by Climate Zone (kW) (cont'd)

Measure Category	House Type	Climate Zone	kWh to kW	Savings per Unit (kW)	Savings per Household (kW)	Total Program Savings (kW)
			Conversion Factor			
Pool Pump	Single Family	All	0.00005	0.0544	0.0544	104.10
Refrigerator	Single Family	All	0.00012	0.0933	0.0933	1,149.38
	Multi-Family	All	0.00012	0.0933	0.0933	346.67
	Mobile Home	All	0.00012	0.0933	0.0933	67.75
Room AC	Single Family	10	0.00015	0.0068	0.0068	2.81
	Single Family	13	0.00015	0.0091	0.0091	2.53
	Single Family	14	0.00015	0.0098	0.0098	0.84
	Single Family	15	0.00015	0.0385	0.0385	0.58
	Multi-Family	10	0.00015	0.0067	0.0067	0.20
	Multi-Family	13	0.00015	0.0090	0.0090	0.01
	Multi-Family	14	0.00015	0.0095	0.0095	0.33
	Multi-Family	15	0.00015	0.0384	0.0384	0.04
	Mobile Home	10	0.00015	0.0063	0.0063	0.22
	Mobile Home	13	0.00015	0.0091	0.0091	0.26
	Mobile Home	14	0.00015	0.0106	0.0106	0.08
	Mobile Home	15	0.00015	0.0384	0.0384	0.15
	Faucet Aerators	Single Family	All	0.00012	0.0099	0.0204
Multi-Family		All	0.00012	0.0099	0.0168	2.71
Mobile Home		All	0.00012	0.0099	0.0258	0.39
Low-Flow Showerhead	Single Family	All	0.00012	0.0099	0.0134	2.89
	Multi-Family	All	0.00012	0.0099	0.0112	2.14
	Mobile Home	All	0.00012	0.0099	0.0145	0.19
Water Heater Blanket	Single Family	All	0.00012	0.0099	0.0103	0.50
	Multi-Family	All	0.00012	0.0099	0.0099	0.08
	Mobile Home	All	0.00012	0.0099	0.0099	0.07
Water Heater Pipe Wrap	Single Family	All	0.00012	0.0099	0.0101	0.53
	Multi-Family	All	0.00012	0.0099	0.0099	0.05
	Mobile Home	All	0.00012	0.0099	0.0099	0.07
Weatherization	Single Family	8	0.00012	0.0002	0.0009	0.03
	Single Family	9	0.00012	0.0026	0.0125	0.92
	Single Family	10	0.00012	0.0014	0.0036	0.24
	Single Family	13	0.00012	0.0037	0.0079	0.18
	Single Family	14	0.00012	0.0009	0.0033	0.24
	Single Family	15	0.00012	0.0173	0.0431	1.59
	Single Family	16	0.00012	0.0000	0.0001	0.00
	Multi-Family	8	0.00012	0.0003	0.0011	0.18
	Multi-Family	10	0.00012	0.0009	0.0019	0.06
	Multi-Family	13	0.00012	0.0032	0.0063	0.03
	Multi-Family	14	0.00012	0.0022	0.0067	0.02
	Mobile Home	10	0.00012	0.0037	0.0065	0.03
	Mobile Home	13	0.00012	0.0089	0.0118	0.04
	Mobile Home	14	0.00012	0.0030	0.0059	0.06
	Mobile Home	15	0.00012	0.0049	0.0065	0.02
	Mobile Home	16	0.00012	0.0041	0.0041	0.00

Table 53: SDG&E Detailed Impacts by Climate Zone (therms)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (therms)	Savings per Household (therms)	Total Program Savings (therms)
Duct Test Seal	Single Family	7	416	416	17.19	17.19	7,152
	Single Family	10	509	509	12.36	12.36	6,291
	Mobile Home	10	4	4	12.46	12.46	50
Furnace Clean & Tune	Single Family	7	2,279	2,405	13.02	13.74	31,307
	Single Family	10	2,706	2,866	5.96	6.32	17,091
	Mobile Home	7	44	44	10.70	10.70	471
	Mobile Home	10	193	194	10.65	10.70	2,066
	Mobile Home	15	2	2	10.70	10.70	21
Furnace Repair/Replace	Single Family	7	1,407	2,161	0.00	0.00	0
	Single Family	10	1,524	2,309	0.00	0.00	0
	Mobile Home	7	11	12	0.00	0.00	0
	Mobile Home	10	68	95	0.00	0.00	0
High Efficiency Clothes Washer	Single Family	All	1,513	1,515	15.86	15.88	24,023
	Multifamily	All	50	50	15.88	15.88	794
	Mobile Home	All	22	22	15.88	15.88	349
Insulation	Single Family	7	342	342	28.82	28.82	9,858
	Single Family	10	384	384	24.72	24.72	9,492
Pilot Light Conversion	Single Family	All	247	247	15.10	15.10	3,729
	Multifamily	All	32	32	15.10	15.10	483
	Mobile Home	All	31	31	15.10	15.10	468
HWCons - Faucet Aerator	Single Family	All	7,213	15,873	0.42	0.92	6,656
	Multifamily	All	2,978	6,212	0.15	0.31	925
	Mobile Home	All	179	338	0.20	0.37	66
HWCons - Low Flow Showerhead	Single Family	All	7,100	11,265	0.75	1.19	8,448
	Multifamily	All	2,864	3,987	0.27	0.37	1,062
	Mobile Home	All	180	257	0.35	0.50	90
HWCons - Thermostatic Shower Valve	Single Family	All	3,178	4,998	2.87	4.51	14,346
	Multifamily	All	633	946	1.02	1.52	964
	Mobile Home	All	5	6	1.34	1.61	8
HWCons - Water Heater Blanket	Single Family	All	736	740	0.49	0.49	364
	Mobile Home	All	51	51	0.23	0.23	12
HWCons - Water Heater Pipe Insulation	Single Family	All	402	404	0.05	0.05	21
	Multifamily	All	28	28	0.02	0.02	1
	Mobile Home	All	73	73	0.02	0.02	2
Water Heater Repair/Replace	Single Family	All	1,167	1,167	6.80	6.80	7,935
	Multifamily	All	52	52	6.80	6.80	354
	Mobile Home	All	17	17	6.80	6.80	116
Weatherization	Single Family	7	3,169	3,169	0.63	0.63	1,998
	Single Family	10	3,607	3,607	5.67	5.67	20,454
	Mobile Home	7	44	44	2.77	2.77	122
	Mobile Home	10	189	189	2.77	2.77	524
	Mobile Home	15	2	2	2.77	2.77	6

Table 54: PG&E Detailed Impacts by Climate Zone (therms)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (therms)	Savings per Household (therms)	Total Program Savings (therms)
Duct Test Seal	Single Family	1	21	21	0.00	0.00	0.00
	Single Family	2	107	107	0.00	0.00	0.00
	Single Family	3	803	803	15.37	15.37	12,339.80
	Single Family	4	1252	1,252	18.76	18.76	23,486.33
	Single Family	11	33	33	7.18	7.18	237.09
	Single Family	12	938	938	15.98	15.98	14,985.62
	Single Family	13	387	387	30.99	30.99	11,993.18
	Mobile Home	1	5	5	0.00	0.00	0.00
	Mobile Home	2	7	7	0.00	0.00	0.00
	Mobile Home	3	1	1	20.95	20.95	20.95
	Mobile Home	4	1	1	18.86	18.86	18.86
	Mobile Home	11	3	3	17.57	17.57	52.72
	Mobile Home	12	14	14	15.55	15.55	217.65
	Mobile Home	13	6	6	27.63	27.63	165.79
Furnace Repair	Single Family	1	6	6	5.82	5.82	34.92
	Single Family	2	61	61	4.16	4.16	253.76
	Single Family	3	374	374	3.58	3.58	1,338.92
	Single Family	4	207	207	3.10	3.10	641.70
	Single Family	11	134	134	3.68	3.68	493.12
	Single Family	12	964	964	3.15	3.15	3,036.60
	Single Family	13	445	445	2.80	2.80	1,246.00
	Single Family	16	2	2	3.38	3.38	6.76
	Multifamily	13	1	1	0.00	0.00	0.00
	Mobile Home	1	1	1	10.62	10.62	10.62
	Mobile Home	3	1	1	7.60	7.60	7.60
	Mobile Home	13	1	1	5.19	5.19	5.19
	Furnace Replace	Single Family	1	40	40	5.82	5.82
Single Family		2	29	29	4.16	4.16	120.64
Single Family		3	335	335	3.58	3.58	1,199.30
Single Family		4	287	287	3.10	3.10	889.70
Single Family		11	38	38	3.68	3.68	139.84
Single Family		12	221	221	3.15	3.15	696.15
Single Family		13	266	266	2.80	2.80	744.80
Single Family		16	2	2	3.38	3.38	6.76
Single Family		16	2	2	3.38	3.38	6.76
Insulation	Single Family	1	177	177	31.95	31.95	5,655.05
	Single Family	2	205	205	39.23	39.23	8,042.88
	Single Family	3	1577	1,583	42.88	43.04	67,875.14
	Single Family	4	1341	1,341	45.23	45.23	60,649.58
	Single Family	11	524	524	42.83	42.83	22,443.93
	Single Family	12	2497	2,499	45.71	45.74	114,222.36
	Single Family	13	655	657	48.22	48.37	31,682.78
	Single Family	16	17	17	43.20	43.20	734.33
	Multifamily	2	5	5	39.05	39.05	195.26
	Multifamily	3	13	13	42.92	42.92	557.93
	Multifamily	4	127	129	43.82	44.51	5,653.39
	Multifamily	12	19	19	43.82	43.82	832.65
	Multifamily	13	8	8	47.57	47.57	380.56
	Weatherization	Single Family	1	867	3,966	1.77	8.11
Single Family		2	2304	11,478	1.22	6.05	13,945.77
Single Family		3	10015	55,592	0.39	2.19	21,919.93
Single Family		4	8043	48,183	1.26	7.54	60,662.40
Single Family		11	5490	28,360	1.26	6.49	35,648.52
Single Family		12	22537	114,153	2.73	13.84	311,843.17
Single Family		13	9322	58,821	2.36	14.91	138,970.49
Single Family		16	112	648	2.12	12.28	1,375.38
Multifamily		1	171	733	0.65	2.78	474.62
Multifamily		2	998	4,338	0.46	2.02	2,014.57
Multifamily		4	1627	8,054	0.52	2.55	4,156.67
Multifamily		11	778	3,067	0.48	1.88	1,459.59
Multifamily		12	3692	14,574	1.21	4.76	17,563.13
Multifamily		13	2126	9,557	1.14	5.10	10,851.02
Mobile Home		1	34	133	2.69	10.51	357.26
Mobile Home		2	108	431	2.08	8.32	898.55
Mobile Home		3	164	652	0.76	3.00	492.65
Mobile Home		4	66	262	2.56	10.16	670.80
Mobile Home		11	428	1,861	2.07	8.99	3,847.62
Mobile Home		12	434	1,634	5.00	18.82	8,169.67
Mobile Home		13	245	1,111	4.48	20.33	4,981.72
Mobile Home	16	24	98	4.05	16.53	396.72	

Table 55: SCG Detailed Impacts by Climate Zone (therms)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (therms)	Savings per Household (therms)	Total Program Savings (therms)	
Clothes Washer	Single Family	All	4,533	4,533	30.88	30.88	139,991	
	Multifamily	All	25	25	30.88	30.88	772	
	Mobile Home	All	122	122	30.88	30.88	3,768	
Duct Test Seal	Single Family	4	4	4	8.03	8.03	32	
	Single Family	5	7	7	7.84	7.84	55	
	Single Family	6	27	27	20.86	20.86	563	
	Single Family	8	308	308	19.89	19.89	6,127	
	Single Family	9	531	531	18.75	18.75	9,957	
	Single Family	10	1,166	1,166	14.17	14.17	16,525	
	Single Family	13	218	218	6.26	6.26	1,364	
	Single Family	14	151	151	2.50	2.50	377	
	Single Family	15	122	122	32.50	32.50	3,965	
	Single Family	16	71	71	13.80	13.80	979	
	Mobile Home	4	3	3	8.28	8.28	25	
	Mobile Home	9	2	2	7.95	7.95	16	
	Mobile Home	14	6	6	3.86	3.86	23	
	Furnace Clean & Tune	Single Family	5	345	353	0.00	0.00	0
		Single Family	6	466	484	12.89	13.39	6,239
Single Family		8	3,699	3,829	11.68	12.09	44,728	
Single Family		9	1,590	1,638	11.34	11.68	18,573	
Single Family		10	6,778	6,982	5.47	5.63	38,162	
Single Family		13	5,393	5,519	0.00	0.00	0	
Single Family		14	550	582	0.00	0.00	0	
Single Family		15	566	608	24.35	26.16	14,806	
Single Family		16	380	384	9.06	9.16	3,480	
Mobile Home		5	4	4	1.91	1.91	8	
Mobile Home		6	5	5	0.00	0.00	0	
Mobile Home		8	38	38	12.54	12.54	477	
Mobile Home		9	21	21	11.42	11.42	240	
Mobile Home		10	239	239	0.00	0.00	0	
Mobile Home		13	42	42	0.00	0.00	0	
Mobile Home		14	16	16	0.00	0.00	0	
Mobile Home		15	66	66	25.48	25.48	1,682	
Mobile Home		16	1	1	0.20	0.20	0	
Furnace Repair/Replace		Single Family	4	2	2	0.00	0.00	0
		Single Family	5	36	48	0.00	0.00	0
	Single Family	6	471	1,551	0.00	0.00	0	
	Single Family	8	6,703	25,146	0.00	0.00	0	
	Single Family	9	2,813	9,476	0.00	0.00	0	
	Single Family	10	3,487	10,830	0.00	0.00	0	
	Single Family	13	920	2,307	0.00	0.00	0	
	Single Family	14	561	1,233	0.00	0.00	0	
	Single Family	15	102	187	0.00	0.00	0	
	Single Family	16	360	1,126	0.00	0.00	0	
	Mobile Home	5	1	1	0.00	0.00	0	
	Mobile Home	6	3	10	0.00	0.00	0	
	Mobile Home	8	34	82	0.00	0.00	0	
	Mobile Home	9	27	56	0.00	0.00	0	
	Mobile Home	10	101	208	0.00	0.00	0	
	Mobile Home	13	13	30	0.00	0.00	0	
	Mobile Home	14	26	51	0.00	0.00	0	
	Mobile Home	15	12	19	0.00	0.00	0	
	Mobile Home	16	4	7	0.00	0.00	0	

Table 56: SCG Detailed Impacts by Climate Zone (therms) (cont'd)

Measure Category	House Type	Climate Zone	Number of Households	Number Installed	Savings per unit (therms)	Savings per Household (therms)	Total Program Savings (therms)
Insulation	Single Family	5	148	148	23.30	23.30	3,449
	Single Family	6	328	328	28.28	28.28	9,277
	Single Family	8	2,766	2,766	28.01	28.01	77,475
	Single Family	9	1,757	1,757	27.70	27.70	48,666
	Single Family	10	1,108	1,108	25.99	25.99	28,798
	Single Family	13	1,589	1,589	22.74	22.74	36,134
	Single Family	14	48	48	21.79	21.79	1,046
	Single Family	15	42	42	32.93	32.93	1,383
	Single Family	16	231	231	25.83	25.83	5,967
	Multifamily	6	4	4	27.91	27.91	112
	Multifamily	8	87	87	27.92	27.92	2,429
	Multifamily	9	85	85	28.05	28.05	2,385
	Multifamily	10	23	23	24.08	24.08	554
	Multifamily	13	20	20	22.04	22.04	441
Pilot Light Conversion	Single Family	All	97	103	42.00	44.60	4,326
	Multifamily	All	2	2	42.00	42.00	84
	Mobile Home	All	10	10	42.00	42.00	420
Water Heater Repair/Replace	Single Family	All	1,752	1,752	3.52	3.52	6,166
	Mobile Home	All	67	67	3.52	3.52	236
Weatherization	Single Family	4	234	234	10.40	10.40	2,434
	Single Family	5	1,166	1,166	10.25	10.25	11,956
	Single Family	6	2,352	2,352	0.55	0.55	1,287
	Single Family	8	29,386	29,386	0.68	0.68	20,034
	Single Family	9	15,212	15,212	0.96	0.96	14,677
	Single Family	10	19,418	19,418	5.27	5.27	102,312
	Single Family	13	17,853	17,853	11.36	11.36	202,868
	Single Family	14	2,966	2,966	14.40	14.40	42,724
	Single Family	15	1,776	1,776	0.00	0.00	0
	Single Family	16	1,982	1,982	5.34	5.34	10,587
	Multifamily	4	39	39	10.14	10.14	395
	Multifamily	5	86	86	10.56	10.56	908
	Multifamily	8	5,514	5,514	0.70	0.70	3,885
	Multifamily	9	6,060	6,060	0.76	0.76	4,635
	Multifamily	10	1,357	1,357	6.26	6.26	8,498
	Multifamily	13	753	753	12.46	12.46	9,380
	Multifamily	14	72	72	15.63	15.63	1,125
	Multifamily	16	248	248	5.00	5.00	1,239
	Mobile Home	4	20	20	10.51	10.51	210
	Mobile Home	5	30	30	9.93	9.93	298
	Mobile Home	6	16	16	11.90	11.90	190
	Mobile Home	8	134	134	0.64	0.64	86
	Mobile Home	9	186	186	1.87	1.87	347
	Mobile Home	10	1,285	1,285	12.32	12.32	15,833
	Mobile Home	13	359	359	11.10	11.10	3,983
	Mobile Home	14	184	184	13.98	13.98	2,573
Mobile Home	15	365	365	0.00	0.00	0	
Mobile Home	16	17	17	13.93	13.93	237	
WH Conservation	Single Family	All	96,023	333,347	0.95	3.31	317,441
	Multifamily	All	15,518	46,951	1.09	3.31	51,301
	Mobile Home	All	2,598	9,084	0.95	3.31	8,589

Table 57: SDG&E Measure Grouping

Measure Group for Model	IOU Measure Name
Central AC	Central AC Replacement
Central AC Tune-Up	Central AC Tune-Up
CFL	CFLs
Clothes Washer	High Efficiency Clothes Washer
Ducts	Duct Testing and Sealing
Furnace Repair/Replace	Furnace Clean and Tune
Furnace Repair/Replace	Furnace Repair / Replacement
Hot Water Conservation	Faucet Aerator - Electric
Hot Water Conservation	Faucet Aerator - Gas
Hot Water Conservation	Low Flow Showerhead - Electric
Hot Water Conservation	Low Flow Showerhead - Gas
Hot Water Conservation	Thermostatic Shower Valve - Electric
Hot Water Conservation	Thermostatic Shower Valve - Gas
Hot Water Conservation	Water Heater Blanket - Electric
Hot Water Conservation	Water Heater Blanket - Gas
Hot Water Conservation	Water Heater Pipe Insulation - Electric
Hot Water Conservation	Water Heater Pipe Insulation - Gas
Hard Wired Lights	Exterior Hard Wired CFL Fixtures
Hard Wired Lights	Interior Hard Wired CFL Fixtures
Insulation	Attic Insulation
Lighting	LED Night Lights
Lighting	Torchiere
Other	FAU Standing Pilot Light Conversion
Other	Microwaves
Refrigerator	Refrigerators
Room AC	Room AC Replacement
Water Heater Repair/Replace	Water Heater Repair / Replacement
Weatherization	Air Sealing

Table 58: PG&E Measure Grouping

Measure Group for Model	IOU Measure Name
Central AC	AC <= 6K BTU
Central AC	AC <= 6K BTU Copay
Central AC	AC >10-15K BTU
Central AC	AC >10-15K BTU Copay
Central AC	AC >15K BTU
Central AC	AC >15K BTU Copay
Central AC	AC >6-10K BTU
Central AC	AC >6-10K BTU Copay
Central AC	Central AC
Central AC Tune-Up	AC - Central - Tune-Up (<20%)
Central AC Tune-Up	AC - Central - Tune-Up (>=20%)
CFL	CFL
Ducts	Duct Seal - Electric
Ducts	Duct Seal - Gas
Evaporative Cooler	Evaporative Cooler (W/W) - EEM
Furnace Repair/Replace	Furnace Repair
Furnace Repair/Replace	Furnace Replace
Hot Water Conservation	Faucet Aerators - Electric
Hot Water Conservation	Faucet Aerators - Gas
Hot Water Conservation	Pipe Insulation - Electric
Hot Water Conservation	Pipe Insulation - Gas
Hot Water Conservation	Showerheads - Electric
Hot Water Conservation	Showerheads - Gas
Hot Water Conservation	Water Heater Blanket - Electric
Hot Water Conservation	Water Heater Blanket - Gas
Hard Wired Lights	Hard Wired Lights
Hard Wired Lights	Hard Wired Lights 2-4Plex
Hard Wired Lights	Hard Wired Lights Interior
Insulation	Attic Insulation
Lighting	Occupancy Sensor
Lighting	Torchiere
Refrigerator	CBO Refrigerator
Refrigerator	Refrigerator - Extra Large
Refrigerator	Refrigerator - Extra Small
Refrigerator	Refrigerator - Large
Refrigerator	Refrigerator - Medium
Refrigerator	Refrigerator - Medium - Copay
Refrigerator	Refrigerator - Small
Refrigerator	Refrigerator BFM - Large
Refrigerator	Refrigerator Extra Large - Copay
Refrigerator	Refrigerator Large - Copay
Refrigerator	Refrigerator Side by Side - Large
Refrigerator	Refrigerator Small - Copay

Table 59: PG&E Measure Grouping (cont'd)

Measure Group for Model	IOU Measure Name
Water Heater Repair/Replace	Water Heater Repair
Water Heater Repair/Replace	Water Heater Replace
Weatherization	Attic Access Weather-stripping
Weatherization	Caulking - SF
Weatherization	Caulking 2-4Plex
Weatherization	Caulking Mobile (Flat Fee)
Weatherization	Caulking Mud (Flat Fee)
Weatherization	Caulking SF >200'(In.Ft)
Weatherization	Ceiling Repair
Weatherization	Door Jambs
Weatherization	Door Patch/Plate
Weatherization	Doors Replace
Weatherization	Doors Weather-stripping
Weatherization	Evaporative Cooler Cover
Weatherization	Exhaust Fan Vent Repair-Attic
Weatherization	Exhaust Fan Vent Repair-Dryer
Weatherization	Exhaust Fan Vent Repair-Mobile
Weatherization	Exterior Wall Repair
Weatherization	Floor Repair
Weatherization	Foam Wall Patch
Weatherization	Glass Replace
Weatherization	Glazing Compound
Weatherization	Interior Wall Repair
Weatherization	Specialty Glass \$'s
Weatherization	Thresholds Installed
Weatherization	Utility Gaskets
Weatherization	Window Assembly Replace <12 Sq
Weatherization	Window Assembly Replace <12 Sq.
Weatherization	Window Sash Repair

Table 60: SCE Measure Grouping

Measure Group for Model	IOU Measure Name
Central AC	Central AC
Central AC Tune-Up	Maintain Central AC
Central Heat Pump	Central Heat Pump
CFL	CFL
Ducts	Duct Test and Seal
Evaporative Cooler	Evaporative Cooler
Evaporative Cooler Tune-Up	Maintain Evaporative Cooler
Furnace Repair/Replace	Forced Air Furnace
Hot Water Conservation	Faucet Aerators
Hot Water Conservation	Low-Flow Showerhead
Hot Water Conservation	Shower Hardware
Hot Water Conservation	Water Heater Blanket
Hot Water Conservation	Water Heater Pipe Wrap
Insulation	Attic Insulation
Lighting	Light Fixture
Lighting	Torchiere
Other	Attic Ventilation
Other	Programmable Control
Other	Thermostat
Pool Pump	Pool Pump
Refrigerator	Refrigerator
Room AC	Room Air Conditioner
Weatherization	Attic Access Door Installation
Weatherization	Attic Access Weather-stripping
Weatherization	Casing
Weatherization	Caulking
Weatherization	Door Assembly
Weatherization	Door Hardware
Weatherization	Door Replacement
Weatherization	Glass
Weatherization	Outlet Cover Plate Gaskets
Weatherization	Vent Cover
Weatherization	Wall Repair
Weatherization	Weather-stripping
Weatherization	Window - Replace Entire Window
Weatherization	Window Repair

Table 61: SCG Measure Grouping

Measure Group for Model	IOU Measure Name
Clothes Washer	High Efficiency Clothes Washer
Ducts	Duct Sealing
Furnace Repair/Replace	Furnace Clean & Tune
Furnace Repair/Replace	Furnaces
Hot Water Conservation	Hot Water Conservation
Insulation	Attic Insulation
Other	FAU Stand Pilot / Change Out
Water Heater Repair/Replace	Water Heater Replacement
Weatherization	Envelope & Air Sealing