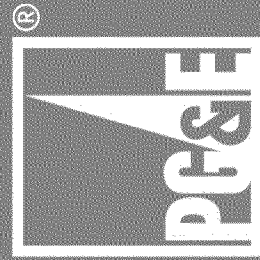


1

2012-2014 CARE-ESA Program Proposed Decision





ESA: Budget and Goals

Goal: PD Should be modified to clarify that the homes-treated goal is 3-year rather than annual.

The PD's ESAProgram budget for PG&E should be corrected to \$471,032,000 (rather than \$459,467,324) to correctly apply the 5% reduction to PG&E's filed budget.

- Consistent with:
 - The number of homes treated goal
 - The increased number of refrigerator installations expected
- Revised budget filed in PG&E Reply Testimony, Dec. 9, 2011.



ESA Budget

PG&E ESAP Program Budgets 2012-2014				
Filed	2012	2013	2014	Cycle Total
PG&E Application - 5/15/2011	\$137,904,000	\$167,525,000	\$173,422,000	\$478,851,000
PG&E Reply Testimony - 12/9/2011 *	\$157,023,000	\$162,622,000	\$168,347,000	\$487,992,000
PD 5% Adjustment - 5/4/2012	\$132,321,707	\$160,743,662	\$166,401,955	\$459,467,324
PG&E Corrects PD in Comments 5/24/2012	\$150,158,500	\$156,994,000	\$162,453,000	\$471,032,000
Proposed Number of Homes to be Treated				
PG&E Application - 5/15/2011	110,000	132,500	132,500	375,000
PG&E Reply Testimony - 12/9/2011	125,000	125,000	125,000	375,000
PD 5% Adjustment - 5/4/2012	119,940	119,940	119,940	359,820
PG&E PD Comments- 5/24/2012	119,940	119,940	119,940	359,820
* PG&E revised its ESAP Program Budget (Reply Testimony filed Dec. 9, 2011) to:				
1) PG&E revised homes treated to equalize annual goals (increasing homes treated in 2012 from 110,000 to 125,000 and decreasing each of 2013-2014 homes treated from 132,500 to 125,000; the 3-year total remains the same).				
2) PG&E increased 2012-2014 budgets to accommodate higher number of pre-1999 refrigerators forecasted in the new market potential data received from KEMA in Dec 2011.				



ESA: Landlord-Owned Property

Water Heaters and Furnaces

The ESA Program should not provide Water Heaters and Furnaces in tenant-occupied buildings

- PG&E believes this prohibition is fair to all customers as providing these measures would significantly reduce the number of homes treated.
- The Energy Efficiency proceeding provides rebates for Water Heaters and Furnaces.
- Replacing broken or hazardous equipment is providing ratepayer funding to landlords who would have to repair or replace this equipment anyway.
- The CPU has consistently not provided furnaces and water heaters under ESA except when the equipment fails NGAT.



Impacts of Increased Income Verification

- PG&E supports increased income verification using statistical modeling to target those least likely to be eligible
- The 90% penetration goal needs to be relaxed as increased income verification will result in more customers falling off the program
- Doubling PG&E's PEV rate to 20% would reduce the penetration rate to 84% by the end of 2014 (based on 2012 eligibility estimates)

Enrollment & Verification Estimates - Comparison by Approach			
Approach	Application Filing	Proposed Decision	20% PEV Rate
Annual Verification Requests	120,000	800,000	310,000
Percent of Total Enrolled	8%	52%	20%
Admin Costs - Verification	\$625K	\$4M	\$1.6M
2012-2014 Net Enrollment Change	47,000	-459,000	-134,000
2014 Year-End Enrollment	1,581,000	1,075,000	1,400,000
2014 Year-End Penetration Rate	95%	65%	84%



CARE

High Usage Customers

- PG&E supports opportunity for all >400% of Baseline customers to participate in ESA.
- ESA eligibility requirements must be modified to allow these customers to be treated by ESA.

Streamlining Categorical Program Eligibility

- PG&E agrees that workshops with all parties would be a good forum to review categorical program alignment with CARE eligibility requirements:
 - Household versus individual (e.g., Lifetime) eligibility needs to be reconciled
- PG&E supports income verifying any customer that falls into the top 20% most likely ineligible group, even if they initially qualified categorically.

Attachment H.1

Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures
Pacific Gas and Electric Company

Measure	Measure Group	Type of Home (SF, MH, MF)	Electric or Gas (E, G)	Climate Zone (Number)	Ratio of Benefits Over Costs*			Approved
					Utility Cost Test	Modified Participant Test	Total Resource Cost Test	
New AC TIME DELAY MH/CZ13	HVAC	MH	E	13	2.03	6.43	1.73	X
New AC TIME DELAY MH/CZ14	HVAC	MH	E	14	2.02	6.43	1.73	X
New AC TIME DELAY MH/CZ11	HVAC	MH	E	11	1.95	5.34	1.68	X
New AC TIME DELAY MH/CZ12	HVAC	MH	E	12	1.87	4.35	1.62	X
New AC TIME DELAY MH/CZ4	HVAC	MH	E	4	1.65	3.09	1.42	X
New AC Tune-up- Central w/CZ14 w/SF	HVAC	SF	E	14	1.64	3.08	1.40	X
New AC Tune-up- Central w/CZ14 w/MH	HVAC	MH	E	14	1.82	3.00	1.39	X
New AC TIME DELAY MH/CZ22	HVAC	MH	E	2	1.55	2.56	1.34	X
New AC TIME DELAY SF/CZ13	HVAC	SF	E	13	1.54	2.55	1.32	X
New AC TIME DELAY SF/CZ14	HVAC	SF	E	14	1.53	2.55	1.31	X
New AC TIME DELAY SF/CZ11	HVAC	SF	E	11	1.45	2.14	1.25	X
A/C Tune-up- Central w/CZ14 w/MF	HVAC	MF	E	14	1.37	2.01	1.18	X
A/C Tune-up- Central w/CZ13 w/SF	HVAC	SF	E	13	1.36	1.96	1.17	X
A/C Tune-up- Central w/CZ11 w/SF	HVAC	SF	E	11	1.30	1.71	1.12	X
New AC TIME DELAY MH/CZ5	HVAC	MH	E	5	1.20	1.66	1.02	X
New AC TIME DELAY MH/CZ6	HVAC	MH	E	6	1.20	1.66	1.02	X
New AC Tune-up- Central w/CZ13 w/MH	HVAC	MH	E	13	1.25	1.63	1.07	X
New AC TIME DELAY MF/CZ13	HVAC	MF	E	13	1.23	1.59	1.06	X
New AC TIME DELAY MF/CZ10	HVAC	MF	E	10	1.24	1.59	1.06	X
New AC TIME DELAY MH/CZ3	HVAC	MH	E	3	1.19	1.44	1.03	X
A/C Tune-up- Central w/CZ11 w/MH	HVAC	MH	E	11	1.18	1.42	1.02	X
A/C Tune-up- Central w/CZ13 w/MF	HVAC	MF	E	13	1.14	1.38	0.98	X
New AC TIME DELAY SF/CZ12	HVAC	SF	E	12	1.18	1.35	1.03	X
New AC TIME DELAY MF/CZ11	HVAC	MF	E	11	1.13	1.30	0.98	X
A/C Tune-up- Central w/CZ12 w/SF	HVAC	SF	E	12	1.11	1.22	0.96	X
A/C Tune-up- Central w/CZ11 w/MF	HVAC	MF	E	11	1.05	1.15	0.91	X
Evap Coolers R&R SF/CZ13	HVAC	SF	E	13	1.03	1.15	0.88	X
Evap Coolers R&R SF/CZ14	HVAC	SF	E	14	1.02	1.15	0.88	X
Evap Coolers R&R SF/CZ16	HVAC	SF	E	16	1.03	1.14	0.88	X
Air Sealing / Envelope MH/CZ13/G-wAC	HVAC	MH	EG	13	0.83	1.08	0.45	X
Air Sealing / Envelope MH/CZ14/G-wAC	HVAC	MH	EG	14	0.82	1.08	0.45	X
A/C Tune-up- Central w/CZ12 w/MH	HVAC	MH	E	12	1.03	1.07	0.89	X
New AC TIME DELAY SF/CZ16	HVAC	SF	E	16	1.00	1.07	0.86	X
Evap Coolers R&R MH/CZ14	HVAC	MH	E	14	0.97	1.06	0.83	X
Evap Coolers R&R MH/CZ13	HVAC	MH	E	13	0.98	1.06	0.83	X
Air Sealing / Envelope SF/CZ13/G-wAC	ENCLOSURE	SF	EG	13	0.52	1.04	0.44	X
Air Sealing / Envelope SF/CZ14/G-wAC	ENCLOSURE	SF	EG	14	0.52	1.04	0.44	X
Air Sealing / Envelope MH/CZ16/G-wAC	ENCLOSURE	MH	EG	16	0.49	0.98	0.41	X
Air Sealing / Envelope SF/CZ16/G-wAC	ENCLOSURE	SF	EG	16	0.48	0.95	0.41	X
Air Sealing / Envelope MH/CZ11/G-wAC	ENCLOSURE	MH	EG	11	0.48	0.94	0.40	X
Air Sealing / Envelope SF/CZ11/G-wAC	ENCLOSURE	SF	EG	11	0.45	0.90	0.38	X
New AC TIME DELAY MF/CZ12	HVAC	MF	E	12	0.61	0.87	0.79	X
Air Sealing / Envelope MH/CZ12/G-wAC	ENCLOSURE	MH	EG	12	0.44	0.84	0.38	X
A/C Tune-up- Central w/CZ16 w/SF	HVAC	SF	E	16	0.84	0.83	0.72	X
Evap Coolers R&R MH/CZ11	HVAC	MH	E	11	0.85	0.81	0.73	X
New AC TIME DELAY SF/CZ4	HVAC	SF	E	4	0.83	0.81	0.71	X
Evap Coolers R&R SF/CZ11	HVAC	SF	E	11	0.84	0.81	0.73	X
Evap Coolers R&R SF/CZ12	HVAC	SF	E	12	0.84	0.78	0.73	X
Air Sealing / Envelope SF/CZ12/G-wAC	ENCLOSURE	SF	EG	12	0.41	0.77	0.35	X
Air Sealing / Envelope MF/CZ14/G-wAC	ENCLOSURE	MF	EG	14	0.40	0.75	0.35	X
Air Sealing / Envelope MF/CZ13/G-wAC	ENCLOSURE	MF	EG	13	0.40	0.75	0.35	X
Evap Coolers R&R MH/CZ12	HVAC	MH	E	12	0.82	0.75	0.71	X
Air Sealing / Envelope MH/CZ13/E-wAC	ENCLOSURE	MH	E	13	0.40	0.74	0.34	X
Air Sealing / Envelope MH/CZ14/E-wAC	ENCLOSURE	MH	E	14	0.40	0.74	0.34	X
Air Sealing / Envelope SF/CZ13/E-wAC	ENCLOSURE	SF	E	13	0.40	0.73	0.34	X
Air Sealing / Envelope SF/CZ14/E-wAC	ENCLOSURE	SF	E	14	0.39	0.73	0.34	X
Air Sealing / Envelope MF/CZ14/E-wAC	ENCLOSURE	MF	E	14	0.39	0.73	0.34	X
Air Sealing / Envelope MF/CZ13/E-wAC	ENCLOSURE	MF	E	13	0.40	0.73	0.34	X
A/C Tune-up- Central w/CZ16 w/MH	HVAC	MH	E	16	0.76	0.72	0.65	X
New AC TIME DELAY MF/CZ16	HVAC	MF	E	16	0.77	0.72	0.66	X
Air Sealing / Envelope MH/CZ11/G-wAC	ENCLOSURE	MH	EG	11	0.34	0.72	0.29	X
Air Sealing / Envelope MH/CZ11/G-noAC	ENCLOSURE	MH	G	11	0.35	0.72	0.29	X
A/C Tune-up- Central w/CZ12 w/MF	HVAC	MF	E	12	0.75	0.66	0.65	X
Air Sealing / Envelope SF/CZ11/G-wAC	ENCLOSURE	SF	EG	11	0.32	0.65	0.27	X
A/C Tune-up- Central w/CZ4 w/SF	HVAC	SF	E	4	0.70	0.65	0.60	X
Air Sealing / Envelope MF/CZ16/G-wAC	ENCLOSURE	MF	EG	16	0.35	0.64	0.30	X
A/C Tune-up- Central w/CZ6 w/MH	HVAC	MH	E	6	0.63	0.62	0.53	X
Air Sealing / Envelope MH/CZ2/G-wAC	ENCLOSURE	MH	EG	2	0.32	0.62	0.27	X
New AC TIME DELAY MF/CZ4	HVAC	MF	E	4	0.67	0.61	0.58	X
Air Sealing / Envelope MF/CZ16/E-wAC	ENCLOSURE	MF	E	16	0.34	0.61	0.29	X
Air Sealing / Envelope SF/CZ16/E-wAC	ENCLOSURE	SF	E	16	0.33	0.58	0.28	X
Air Sealing / Envelope SF/CZ2/G-wAC	ENCLOSURE	SF	EG	2	0.30	0.57	0.25	X
Air Sealing / Envelope MH/CZ16/E-wAC	ENCLOSURE	MH	E	16	0.32	0.57	0.28	X
Air Sealing / Envelope MH/CZ6/G-wAC	ENCLOSURE	MH	EG	6	0.28	0.57	0.23	X
Air Sealing / Envelope MH/CZ6/G-wAC	ENCLOSURE	MH	EG	6	0.28	0.57	0.23	X
A/C Tune-up- Central w/CZ6 w/SF	HVAC	SF	E	6	0.59	0.57	0.49	X
New AC TIME DELAY SF/CZ4	HVAC	SF	E	4	0.65	0.56	0.56	X
Air Sealing / Envelope MH/CZ4/G-wAC	ENCLOSURE	MH	EG	4	0.28	0.54	0.24	X
Air Sealing / Envelope MH/CZ3/G-wAC	ENCLOSURE	MH	EG	3	0.27	0.53	0.23	X
A/C Tune-up- Central w/CZ4 w/MH	HVAC	MH	E	4	0.61	0.53	0.52	X
Air Sealing / Envelope SF/CZ6/G-wAC	ENCLOSURE	SF	EG	6	0.27	0.53	0.22	X
Air Sealing / Envelope SF/CZ6/G-wAC	ENCLOSURE	SF	EG	6	0.27	0.53	0.22	X
New AC TIME DELAY MH/CZ1	HVAC	MH	E	1	0.89	0.53	0.51	X
Air Sealing / Envelope MF/CZ11/G-wAC	ENCLOSURE	MF	EG	11	0.30	0.52	0.26	X
Air Sealing / Envelope MH/CZ11/E-wAC	ENCLOSURE	MH	E	11	0.30	0.51	0.26	X
Air Sealing / Envelope SF/CZ4/G-wAC	ENCLOSURE	SF	EG	4	0.27	0.50	0.22	X
Air Sealing / Envelope MF/CZ11/E-wAC	ENCLOSURE	MF	E	11	0.29	0.49	0.25	X
A/C Tune-up- Central w/CZ16 w/MF	HVAC	MF	E	16	0.57	0.49	0.49	X
Air Sealing / Envelope MH/CZ3/G-noAC	ENCLOSURE	MH	G	3	0.25	0.48	0.20	X
Air Sealing / Envelope SF/CZ11/E-wAC	ENCLOSURE	SF	E	11	0.29	0.48	0.25	X
Air Sealing / Envelope SF/CZ3/G-wAC	ENCLOSURE	SF	EG	3	0.25	0.47	0.21	X
A/C Tune-up- Central w/CZ6 w/MF	HVAC	MF	E	6	0.51	0.47	0.43	X
Air Sealing / Envelope MF/CZ12/G-wAC	ENCLOSURE	MF	EG	12	0.29	0.46	0.25	X
Air Sealing / Envelope MH/CZ2/G-noAC	ENCLOSURE	MH	G	2	0.24	0.46	0.20	X
Air Sealing / Envelope MH/CZ12/E-wAC	ENCLOSURE	MH	E	12	0.29	0.46	0.25	X
Attic insulation SF/CZ14/G-wAC	ENCLOSURE	SF	EG	14	0.50	0.44	0.43	X
Attic insulation SF/CZ13/G-wAC	ENCLOSURE	SF	EG	13	0.51	0.44	0.43	X
Air Sealing / Envelope MF/CZ12/E-wAC	ENCLOSURE	MF	E	12	0.27	0.44	0.24	X
A/C Tune-up- Central w/CZ2 w/MH	HVAC	MH	E	2	0.53	0.43	0.45	X
Air Sealing / Envelope SF/CZ12/E-wAC	ENCLOSURE	SF	E	12	0.27	0.43	0.23	X
Air Sealing / Envelope MH/CZ11/G-noAC	ENCLOSURE	MH	G	11	0.22	0.43	0.18	X
A/C Tune-up- Central w/CZ2 w/SF	HVAC	SF	E	2	0.51	0.42	0.44	X
Air Sealing / Envelope MH/CZ16/G-noAC	ENCLOSURE	MH	G	16	0.21	0.41	0.18	X
Air Sealing / Envelope SF/CZ2/G-noAC	ENCLOSURE	SF	G	2	0.21	0.41	0.18	X
Attic insulation SF/CZ16/G-wAC	ENCLOSURE	SF	EG	16	0.47	0.41	0.40	X
Air Sealing / Envelope MH/CZ5/G-noAC	ENCLOSURE	MH	G	5	0.20	0.41	0.17	X
Air Sealing / Envelope MH/CZ6/G-noAC	ENCLOSURE	MH	G	6	0.20	0.41	0.17	X

Attachment H.1

Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures
Pacific Gas and Electric Company

Measure	Measure Group	Type of Home	Electric or Gas	Climate Zone	Ratio of Benefits Over Costs*			
					Utility Cost Test	Modified Participant Test	Total Resource Cost Test	
Air Sealing / Envelope SF/CZ11/G-noAC	ENCLOSURE	SF	G	11	0.21	0.40	0.17	X
Air Sealing / Envelope SF/CZ3/G-noAC	ENCLOSURE	SF	G	3	0.20	0.38	0.16	X
Air Sealing / Envelope MH/CZ12/G-noAC	ENCLOSURE	MH	G	12	0.20	0.38	0.16	X
Air Sealing / Envelope SF/CZ16/G-noAC	ENCLOSURE	SF	G	16	0.20	0.38	0.16	X
Attic Insulation SF/CZ11/G-wAC	ENCLOSURE	SF	EG	11	0.45	0.38	0.38	X
Air Sealing / Envelope MH/CZ4/G-noAC	ENCLOSURE	MH	G	4	0.20	0.38	0.16	X
Air Sealing / Envelope SF/CZ8/G-noAC	ENCLOSURE	SF	G	8	0.19	0.37	0.15	X
Air Sealing / Envelope SF/CZ6/G-noAC	ENCLOSURE	SF	G	6	0.19	0.37	0.15	X
New AC TIME DELAY MF/CZ2	HVAC	MF	E	2	0.46	0.36	0.40	X
Attic Insulation MF/CZ14/G-wAC	ENCLOSURE	MF	EG	14	0.43	0.36	0.37	X
Attic Insulation MF/CZ13/G-wAC	ENCLOSURE	MF	EG	13	0.44	0.36	0.37	X
A/C Tune-up- Central w/C24 w/MF	HVAC	MF	E	4	0.44	0.36	0.38	X
Air Sealing / Envelope SF/CZ12/G-noAC	ENCLOSURE	SF	G	12	0.16	0.34	0.15	X
Air Sealing / Envelope MH/CZ14/G-noAC	ENCLOSURE	MH	G	14	0.17	0.34	0.15	X
Air Sealing / Envelope MH/CZ13/G-noAC	ENCLOSURE	MH	G	13	0.18	0.34	0.15	X
Air Sealing / Envelope SF/CZ4/G-noAC	ENCLOSURE	SF	G	4	0.18	0.34	0.15	X
Attic Insulation SF/CZ13/E-wAC	ENCLOSURE	SF	E	13	0.39	0.31	0.33	X
Attic Insulation SF/CZ14/E-wAC	ENCLOSURE	SF	E	14	0.38	0.31	0.33	X
Attic Insulation SF/CZ12/G-wAC	ENCLOSURE	SF	EG	12	0.39	0.31	0.33	X
Air Sealing / Envelope SF/CZ13/G-noAC	ENCLOSURE	SF	G	13	0.18	0.31	0.14	X
Air Sealing / Envelope SF/CZ14/G-noAC	ENCLOSURE	SF	G	14	0.16	0.31	0.14	X
Attic Insulation MF/CZ13/E-wAC	ENCLOSURE	MF	E	13	0.39	0.31	0.33	X
Attic Insulation MF/CZ14/E-wAC	ENCLOSURE	MF	E	14	0.39	0.31	0.33	X
A/C Tune-up- Central w/C22 w/MF	HVAC	MF	E	2	0.39	0.30	0.33	X
Attic Insulation SF/CZ1/G-wAC	ENCLOSURE	SF	EG	1	0.30	0.27	0.25	X
Attic Insulation SF/CZ1/G-noAC	ENCLOSURE	SF	G	1	0.31	0.26	0.26	X
Attic Insulation SF/CZ18/E-wAC	ENCLOSURE	SF	E	18	0.32	0.25	0.28	X
Attic Insulation MF/CZ12/G-wAC	ENCLOSURE	MF	EG	12	0.33	0.25	0.28	X
Attic Insulation MF/CZ11/G-wAC	ENCLOSURE	MF	EG	11	0.32	0.25	0.27	X
Attic Insulation SF/CZ2/G-wAC	ENCLOSURE	SF	EG	2	0.29	0.24	0.24	X
Air Sealing / Envelope MF/CZ8/G-wAC	ENCLOSURE	MF	EG	8	0.12	0.22	0.10	X
Air Sealing / Envelope MF/CZ6/G-wAC	ENCLOSURE	MF	EG	6	0.12	0.22	0.10	X
Air Sealing / Envelope MF/CZ4/G-wAC	ENCLOSURE	MF	EG	4	0.13	0.22	0.11	X
Attic Insulation SF/CZ11/E-wAC	ENCLOSURE	SF	E	11	0.29	0.21	0.25	X
Attic Insulation SF/CZ4/G-noAC	ENCLOSURE	SF	G	4	0.24	0.21	0.20	X
Attic Insulation SF/CZ5/G-noAC	ENCLOSURE	SF	G	5	0.24	0.21	0.20	X
Attic Insulation SF/CZ6/G-noAC	ENCLOSURE	SF	G	6	0.24	0.21	0.20	X
New AC TIME DELAY SF/CZ3	HVAC	SF	E	3	0.28	0.20	0.24	X
Attic Insulation SF/CZ3/G-wAC	ENCLOSURE	SF	EG	3	0.24	0.20	0.21	X
Evap Coolers R&R SF/CZ2	HVAC	SF	E	2	0.27	0.20	0.23	X
Evap Coolers R&R SF/CZ3	HVAC	SF	E	3	0.27	0.20	0.23	X
Evap Coolers R&R SF/CZ4	HVAC	SF	E	4	0.26	0.20	0.22	X
Evap Coolers R&R SF/CZ1	HVAC	SF	E	1	0.25	0.20	0.22	X
Attic Insulation MF/CZ12/E-wAC	ENCLOSURE	MF	E	12	0.27	0.19	0.24	X
Attic Insulation MF/CZ11/E-wAC	ENCLOSURE	MF	E	11	0.26	0.19	0.23	X
Air Sealing / Envelope MF/CZ4/E-wAC	ENCLOSURE	MF	E	4	0.12	0.19	0.10	X
Air Sealing / Envelope MF/CZ5/E-wAC	ENCLOSURE	MF	E	5	0.11	0.19	0.09	X
Air Sealing / Envelope MF/CZ6/E-wAC	ENCLOSURE	MF	E	6	0.11	0.19	0.09	X
Air Sealing / Envelope MF/CZ2/G-wAC	ENCLOSURE	MF	EG	2	0.12	0.19	0.10	X
Evap Coolers R&R MH/CZ2	HVAC	MH	E	2	0.26	0.19	0.22	X
Evap Coolers R&R MH/CZ3	HVAC	MH	E	3	0.26	0.19	0.22	X
Evap Coolers R&R MH/CZ4	HVAC	MH	E	4	0.25	0.19	0.21	X
Evap Coolers R&R MH/CZ16	HVAC	MH	E	16	0.25	0.19	0.22	X
Attic Insulation SF/CZ12/E-wAC	ENCLOSURE	SF	E	12	0.25	0.17	0.22	X
Attic Insulation SF/CZ2/G-noAC	ENCLOSURE	SF	G	2	0.21	0.17	0.17	X
Air Sealing / Envelope SF/CZ4/E-wAC	ENCLOSURE	SF	E	4	0.10	0.17	0.09	X
Air Sealing / Envelope SF/CZ8/E-wAC	ENCLOSURE	SF	E	8	0.09	0.17	0.08	X
Air Sealing / Envelope SF/CZ6/E-wAC	ENCLOSURE	SF	E	6	0.09	0.17	0.08	X
Attic Insulation SF/CZ11/G-noAC	ENCLOSURE	SF	G	11	0.20	0.16	0.17	X
Air Sealing / Envelope MH/CZ5/E-wAC	ENCLOSURE	MH	E	5	0.09	0.16	0.08	X
Air Sealing / Envelope MH/CZ6/E-wAC	ENCLOSURE	MH	E	6	0.09	0.16	0.08	X
Air Sealing / Envelope MH/CZ4/E-wAC	ENCLOSURE	MH	E	4	0.10	0.16	0.09	X
Attic Insulation SF/CZ18/G-noAC	ENCLOSURE	SF	G	18	0.19	0.16	0.16	X
Air Sealing / Envelope SF/CZ2/E-wAC	ENCLOSURE	SF	E	2	0.10	0.16	0.09	X
Air Sealing / Envelope MH/CZ2/E-wAC	ENCLOSURE	MH	E	2	0.10	0.16	0.09	X
Air Sealing / Envelope MF/CZ2/E-wAC	ENCLOSURE	MF	E	2	0.10	0.16	0.09	X
Attic Insulation SF/CZ3/G-noAC	ENCLOSURE	SF	G	3	0.19	0.15	0.15	X
Attic Insulation MF/CZ4/G-wAC	ENCLOSURE	MF	EG	4	0.19	0.14	0.16	X
Attic Insulation MF/CZ5/G-wAC	ENCLOSURE	MF	EG	5	0.17	0.14	0.15	X
Attic Insulation SF/CZ12/G-noAC	ENCLOSURE	SF	G	12	0.17	0.14	0.14	X
Attic Insulation SF/CZ4/G-noAC	ENCLOSURE	SF	G	4	0.17	0.14	0.14	X
Attic Insulation SF/CZ5/G-noAC	ENCLOSURE	SF	G	5	0.16	0.14	0.14	X
Attic Insulation SF/CZ14/G-noAC	ENCLOSURE	SF	G	14	0.16	0.13	0.13	X
Attic Insulation SF/CZ13/G-noAC	ENCLOSURE	SF	G	13	0.16	0.13	0.13	X
Attic Insulation MF/CZ2/G-wAC	ENCLOSURE	MF	EG	2	0.17	0.13	0.14	X
Attic Insulation MF/CZ3/G-wAC	ENCLOSURE	MF	EG	3	0.16	0.12	0.14	X
Air Sealing / Envelope MF/CZ3/G-wAC	ENCLOSURE	MF	EG	3	0.07	0.12	0.06	X
Air Sealing / Envelope SF/CZ3/E-wAC	ENCLOSURE	SF	E	3	0.06	0.09	0.05	X
Air Sealing / Envelope MF/CZ5/E-wAC	ENCLOSURE	MF	E	5	0.06	0.09	0.05	X
Attic Insulation MF/CZ3/G-noAC	ENCLOSURE	MF	G	3	0.09	0.07	0.07	X
Attic Insulation MF/CZ3/G-noAC	ENCLOSURE	MF	G	3	0.08	0.05	0.06	X
Attic Insulation MF/CZ12/G-noAC	ENCLOSURE	MF	G	12	0.07	0.05	0.06	X
Attic Insulation MF/CZ11/G-noAC	ENCLOSURE	MF	G	11	0.07	0.05	0.06	X
Air Sealing / Envelope MH/CZ3/E-wAC	ENCLOSURE	MH	E	3	0.03	0.05	0.03	X
Air Sealing / Envelope MF/CZ1/G-wAC	ENCLOSURE	MF	EG	1	0.03	0.05	0.02	X
Attic Insulation MF/CZ5/G-noAC	ENCLOSURE	MF	G	5	0.06	0.05	0.05	X
Attic Insulation MF/CZ4/G-noAC	ENCLOSURE	MF	G	4	0.06	0.05	0.05	X
Attic Insulation MF/CZ13/G-noAC	ENCLOSURE	MF	G	13	0.06	0.05	0.05	X
Air Sealing / Envelope MF/CZ1/G-noAC	ENCLOSURE	MF	G	1	0.03	0.05	0.02	X
Air Sealing / Envelope MF/CZ16/G-noAC	ENCLOSURE	MF	G	16	0.02	0.03	0.01	X
Air Sealing / Envelope MF/CZ2/G-noAC	ENCLOSURE	MF	G	2	0.02	0.03	0.01	X
Air Sealing / Envelope MF/CZ11/G-noAC	ENCLOSURE	MF	G	11	0.02	0.03	0.01	X
Air Sealing / Envelope MF/CZ3/G-noAC	ENCLOSURE	MF	G	3	0.02	0.03	0.01	X
Air Sealing / Envelope MF/CZ5/G-noAC	ENCLOSURE	MF	G	5	0.01	0.03	0.01	X
Air Sealing / Envelope MF/CZ6/G-noAC	ENCLOSURE	MF	G	6	0.01	0.03	0.01	X
Air Sealing / Envelope MF/CZ12/G-noAC	ENCLOSURE	MF	G	12	0.01	0.03	0.01	X
Air Sealing / Envelope MF/CZ4/G-noAC	ENCLOSURE	MF	G	4	0.01	0.02	0.01	X
Air Sealing / Envelope MF/CZ14/G-noAC	ENCLOSURE	MF	G	14	0.01	0.02	0.01	X
Air Sealing / Envelope MF/CZ13/G-noAC	ENCLOSURE	MF	G	13	0.01	0.02	0.01	X
Air Sealing / Envelope MF/CZ1/E-wAC	ENCLOSURE	MF	E	1	0.00	0.00	0.00	X
Air Sealing / Envelope MH/CZ1/E-wAC	ENCLOSURE	MH	E	1	0.00	0.00	0.00	X
Air Sealing / Envelope SF/CZ1/E-wAC	ENCLOSURE	SF	E	1	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ1/E-noAC	ENCLOSURE	MF	E	1	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ11/E-noAC	ENCLOSURE	MF	E	11	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ12/E-noAC	ENCLOSURE	MF	E	12	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ13/E-noAC	ENCLOSURE	MF	E	13	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ14/E-noAC	ENCLOSURE	MF	E	14	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ16/E-noAC	ENCLOSURE	MF	E	16	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ2/E-noAC	ENCLOSURE	MF	E	2	0.00	0.00	0.00	X
Air Sealing / Envelope MF/CZ3/E-noAC	ENCLOSURE	MF	E	3	0.00	0.00	0.00	X

Attachment H.1

Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures
Pacific Gas and Electric Company

Measure	Measure Group	Type of Home	Electric or Gas	Climate Zone	Ratio of Benefits Over Costs*			
					Utility Cost Test	Modified Participant Test	Total Resource Cost Test	
Air Sealing / Envelope MFCZ4/E-noAC	ENCLOSURE	MF	E	4	0.00	0.00	0.00	X
Air Sealing / Envelope MFCZ5/E-noAC	ENCLOSURE	MF	E	5	0.00	0.00	0.00	X
Air Sealing / Envelope MFCZ6/E-noAC	ENCLOSURE	MF	E	6	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ1/E-noAC	ENCLOSURE	MH	E	1	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ11/E-noAC	ENCLOSURE	MH	E	11	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ12/E-noAC	ENCLOSURE	MH	E	12	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ13/E-noAC	ENCLOSURE	MH	E	13	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ14/E-noAC	ENCLOSURE	MH	E	14	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ16/E-noAC	ENCLOSURE	MH	E	16	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ2/E-noAC	ENCLOSURE	MH	E	2	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ3/E-noAC	ENCLOSURE	MH	E	3	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ4/E-noAC	ENCLOSURE	MH	E	4	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ5/E-noAC	ENCLOSURE	MH	E	5	0.00	0.00	0.00	X
Air Sealing / Envelope MHCZ6/E-noAC	ENCLOSURE	MH	E	6	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ1/E-noAC	ENCLOSURE	SF	E	1	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ11/E-noAC	ENCLOSURE	SF	E	11	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ12/E-noAC	ENCLOSURE	SF	E	12	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ13/E-noAC	ENCLOSURE	SF	E	13	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ14/E-noAC	ENCLOSURE	SF	E	14	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ16/E-noAC	ENCLOSURE	SF	E	16	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ2/E-noAC	ENCLOSURE	SF	E	2	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ3/E-noAC	ENCLOSURE	SF	E	3	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ4/E-noAC	ENCLOSURE	SF	E	4	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ5/E-noAC	ENCLOSURE	SF	E	5	0.00	0.00	0.00	X
Air Sealing / Envelope SFCZ6/E-noAC	ENCLOSURE	SF	E	6	0.00	0.00	0.00	X
Furnace Repair	MAINTENANCE	MF	E	System	0.00	0.00	0.00	X
Furnace Replacement	MAINTENANCE	MF	E	System	0.00	0.00	0.00	X

* Based on 2012 program year.

Attachment H.2

Energy Savings Assistance Program Cost-Effectiveness - Non Weather Sensitive Measures
Pacific Gas and Electric Company

Measure*	Measure Group	Ratio of Benefits Over Costs*					
		Type of Home (SF, MH, MF)	Electric or Gas (E, G)	Utility Cost Test	Modified Participant Test	Total Resource Cost Test	Approved
Water Heater Pipe Insulation SF/CZ-All/Gas	Domestic Hot Water	SH	G	2.41	35.79	1.95	X
Water Heater Pipe Insulation MH/CZ-All/Gas	Domestic Hot Water	MH	E	2.02	12.83	1.83	X
Faucet Aerator SF/CZ-All/Elec	Domestic Hot Water	MH	G	1.63	6.83	1.32	X
Water Heater Blanket MH/CZ-All/Elec	Domestic Hot Water	SH	E	1.47	5.42	1.19	X
Faucet Aerator MH/CZ-All/Elec	Domestic Hot Water	MF	G	1.47	5.38	1.19	X
Water Heater Pipe Insulation MF/CZ-All/Gas	Domestic Hot Water	SH	G	1.45	5.10	1.15	X
Faucet Aerator SF/CZ-All/Gas	Domestic Hot Water	MH	G	1.23	3.68	1.00	X
Faucet Aerator MH/CZ-All/Gas	Domestic Hot Water	SH	E	1.19	3.44	0.96	X
Faucet Aerator MF/CZ-All/Gas	Domestic Hot Water	MH	E	1.19	3.44	0.96	X
New Low Flow Shower Head SF/CZ-All/Elec	Domestic Hot Water	SH	E	1.07	2.97	0.97	X
New Microwave-replacing gas oven MF/CZ-All	Appliances	MH	E	1.13	2.77	0.85	X
New Microwave-replacing gas oven SF/CZ-All	Appliances	MF	E	1.10	2.77	0.85	X
New Microwave-replacing gas oven MH/CZ-All	Appliances	MH	E	1.10	2.77	0.85	X
Water Heater Blanket SF/CZ-All/Elec	Domestic Hot Water	SH	E	0.98	2.59	0.80	X
New Low Flow Shower Head MH/CZ-All/Elec	Domestic Hot Water	SH	G	0.97	2.54	0.76	X
Forchiere - 55 W (D03-842 RES00AVT or 55) w/CZ w/SF	Lighting	MH	G	1.27	2.04	1.03	X
New Microwave-replacing electric oven SF/CZ-All	Appliances	MH	G	1.25	1.95	1.03	X
New Microwave-replacing electric oven MH/CZ-All	Appliances	SH	G	1.25	1.95	1.03	X
New Microwave-replacing electric oven MF/CZ-All	Appliances	MF	E	1.25	1.95	1.03	X
New Low Flow Shower Head MH/CZ-All/Gas	Domestic Hot Water	MH	E	0.80	1.85	0.65	X
Water Heater Pipe Insulation MH/CZ-All/Elec	Domestic Hot Water	SH	E	0.75	1.74	0.61	X
CFL - MF/CZ-All	Lighting	MF	G	1.15	1.72	0.94	X
CFL - MH/CZ-All	Lighting	MH	G	1.05	1.46	0.86	X
CFL - SF/CZ-All	Lighting	SH	E	1.04	1.43	0.85	X
New Low Flow Shower Head SF/CZ-All/Gas	Domestic Hot Water	MH	E	0.85	1.39	0.53	X
Water Heater Pipe Insulation SF/CZ-All/Elec	Domestic Hot Water	MF	G	0.64	1.12	0.43	X
Water Heater Blanket MH/CZ-All/Gas	Domestic Hot Water	MF	E	0.64	1.09	0.44	X
Refrigerator SF/CZ-All	Appliances	SH	E	0.83	1.08	0.57	X
Refrigerator MH/CZ-All	Appliances	MH	E	0.82	1.03	0.57	X
LiHEAP - Appliance SF/CZ-All	Appliances	SH	E	0.77	0.94	0.63	X
LiHEAP - Appliance MH/CZ-All	Appliances	MH	E	0.77	0.93	0.62	X
Exterior Hard wired CFL fixtures MF/CZ-All	Lighting	MF	E	0.69	0.86	0.56	X
Water Heater Blanket SF/CZ-All/Gas	Domestic Hot Water	MF	E	0.43	0.82	0.34	X
Refrigerator MF/CZ-All	Appliances	SH	G	0.68	0.82	0.56	X
Exterior Hard wired CFL fixtures SF/CZ-All	Lighting	SH	E	0.67	0.81	0.54	X
Exterior Hard wired CFL fixtures MH/CZ-All	Lighting	MH	E	0.65	0.78	0.52	X
Interior Hard wired CFL fixtures MF/CZ-All	Lighting	MF	E	0.66	0.75	0.54	X
LiHEAP - Appliance MF/CZ-All	Appliances	ALL	E	0.64	0.74	0.52	X
Interior Hard wired CFL fixtures SF/CZ-All	Lighting	MH	E	0.63	0.71	0.51	X
Interior Hard wired CFL fixtures MH/CZ-All	Lighting	SH	E	0.61	0.68	0.50	X
Occupancy Sensor All/CZ-All	Lighting	MF	G	0.51	0.53	0.41	X
Water Heater Blanket MF/CZ-All/Gas	Domestic Hot Water	MF	G	0.17	0.29	0.13	X
New Low Flow Shower Head MF/CZ-All/Gas	Domestic Hot Water	MF	E	0.14	0.23	0.11	X
Faucet Aerator MF/CZ-All/Elec	Domestic Hot Water	MF	E	0.00	0.00	0.00	X
New Low Flow Shower Head MF/CZ-All/Elec	Domestic Hot Water	MF	E	0.00	0.00	0.00	X
Water Heater Blanket MF/CZ-All/Elec	Domestic Hot Water	MF	E	0.00	0.00	0.00	X
Water Heater Pipe Insulation MF/CZ-All/Elec	Domestic Hot Water	ALL	E	0.00	0.00	0.00	X
Water Heater R&R	Domestic Hot Water	ALL	E	0.00	0.00	0.00	X
*** Water heater R&R added back in owner occupied homes, consistent with D0811031							

*Based on 2012 program year.