

**SOUTHERN CALIFORNIA GAS COMPANY
LOW INCOME ASSISTANCE PROGRAMS & BUDGETS
FOR PROGRAM YEARS 2015-2017
(A.14-11-011)
(DATA REQUEST TURN-SCG-02)**

QUESTION 1:

Please provide SoCalGas' responses to ORA Data Request No. DRA_SoCalGas_003 (2014), Questions 1-4. Provide these responses as stand-alone attachments rather than embedding them in a Word document.

RESPONSE 1:

SoCalGas is providing copies of its response to ORA Data Request No. DRA_SoCalGas_003 as stand-alone attachment to this response. However, SoCalGas provides the below .pdf as a guidance document to reference the stand-alone attachments.



DRA-003.pdf

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QUESTION 2:

Please describe all analyses conducted by SoCalGas, and provide all calculations, workpapers, and other documents produced, as part of SoCalGas' consideration of the addition of the following ESA measure in 2016-2017: High Efficiency FAU Furnaces. Include in your response those analyses conducted prior to the filing of SoCalGas' CARE/ESAP application, as well as any analyses conducted after that time or currently underway.

RESPONSE 2:

Please see the below attached file titled "HEFAU calcs" which describes the analyses conducted by SoCalGas for the ESA measure in 2016-2017. Additionally, please see attached October 29, 2012 "Submittal of Southern California Gas Company to Comply with Ordering Paragraph 61 of Decision 12-08-004" and the workpaper title "(RHA) HE Furn Averages..." which is the result of the ESA program contractor survey of the cost of installing an HE FAU.



HEFAU calcs.xlsx



(RHA) HE Furn
Averages by CZ Sprea



OP61 SCG FINAL
102912.pdf

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QUESTION 3:

Regarding SoCalGas' proposed changes to the "Go-Back Rule," please provide the following information:

- a. The list of eligible ESA measures offered by SoCalGas in 2002 under the program rules in place at that time;
- b. The EUL for each measure identified in response to part a, using currently accepted DEER or workpaper values to the extent those measures are in DEER or have workpapers, and indicate the source of the EUL data;
- c. The weighted average EUL of measures installed by SoCalGas as part of the ESA program (then called LIEE) in 2002; and
- d. The weighted average EUL of measures installed by SoCalGas in each climate zone as part of the ESA program (then called LIEE) in 2002.

RESPONSE 3:

Please see the table below for SoCalGas' response to a and b.

Measures in 2002			EUL_ID	Desc.	EUL	RUL
Measure	EUL	Source				
Attic insulation	20	DEER	BS-Ceillns	Roof/Ceiling Insulation - Residential	20	
Caulking	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Evaporative Cooler Covers	11	DEER	BS-WthrEvap	Low-Income Weatherization w/Evaporative Cooler	11	
Faucet Aerator	10	DEER	WtrHt-WH-Aertr	Faucet Aerators	10	
Furnace, Repair & Replace	20	DEER	HV-EffFurn	High Efficiency Furnace	20	
Low Flow Shower Head	10	DEER	WtrHt-WH-Shrhd	Low-Flow Showerhead	10	
Minor Home Repair	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Miscellaneous Measures (Weatherization-Electric)	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Switch Outlet Gasket	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Water Heater Blanket	3.7	DEER (1/3 * EUL)	WtrHt-Res-Gas	Residential Gas Water Heater	11	3.7
Water Heater Pipe Wrap	11	DEER	WtrHt-WH-R4PipeIns-Gas	Pipe Insulation - Gas Water Heater - Residential	11	
Weatherstripping	11	DEER	BS-Wthr	Low-Income Weatherization	11	

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RESPONSE 3 (cont.):

- c) 10.80 EUL weighted average
- d) ESA program measures by climate zone is not available.

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QUESTION 4:

Regarding SoCalGas' proposed changes to the "Go-Back Rule," please provide the following information:

- a. The list of eligible ESA measures offered by SoCalGas in 2006 under the program rules in place at that time;
- b. The EUL for each measure identified in response to part a, using currently accepted DEER or workpaper values to the extent those measures are in DEER or have workpapers, and indicate the source of the EUL data;
- c. The weighted average EUL of measures installed by SoCalGas as part of the ESA program (then called LIEE) in 2006; and
- d. The weighted average EUL of measures installed by SoCalGas in each climate zone as part of the ESA program (then called LIEE) in 2006.

RESPONSE 4:

Please see the table below for SoCalGas' response to a and b.

Measures in 2006			EUL_ID	Desc.	EUL	RUL
Measure	EUL	Source				
Attic insulation	20	DEER	BS-Ceillns	Roof/Ceiling Insulation - Residential	20	
Duct sealing and testing	18	DEER	HV-DuctSeal	Duct Sealing	18	
Low Flow Shower Head	10	DEER	WtrHt-WH-Shrhd	Low-Flow Showerhead	10	
Water Heater Pipe Insulation	11	DEER	WtrHt-WH-R4PipeIns-Gas	Pipe Insulation - Gas Water Heater - Residential	11	
Faucet Aerator	10	DEER	WtrHt-WH-Aertr	Faucet Aerators	10	
Furnace, Repair & Replace	20	DEER	HV-EffFurn	High Efficiency Furnace	20	
Water heater repair and replace	11	DEER	WtrHt-Res-Gas	Residential Gas Water Heater	11	
Water Heater Blanket	3.7	DEER (1/3 * EUL)	WtrHt-Res-Gas	Residential Gas Water Heater	11	3.7
Caulking	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Evaporative Cooler/Air Cond. Covers	11	DEER	BS-WthrEvap	Low-Income Weatherization w/Evaporative Cooler	11	
Minor Home Repair	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Weatherstripping - Door	11	DEER	BS-Wthr	Low-Income	11	

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				Weatherization		
Switch Outlet Gasket	11	DEER	BS-Wthr	Low-Income Weatherization	11	

c) 10.864 EUL weighted average

d) ESA program measures by climate zone is not available.

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QUESTION 5:

Regarding SoCalGas' proposed changes to the "Go-Back Rule," please provide the following information:

- a. The list of eligible ESA measures offered by SoCalGas in 2009 under the program rules in place at that time;
- b. The EUL for each measure identified in response to part a, using currently accepted DEER or workpaper values to the extent those measures are in DEER or have workpapers, and indicate the source of the EUL data;
- c. The weighted average EUL of measures installed by SoCalGas as part of the ESA program (then called LIEE) in 2009; and
- d. The weighted average EUL of measures installed by SoCalGas in each climate zone as part of the ESA program (then called LIEE) in 2009

RESPONSE 5:

Please see the table below for SoCalGas' response to a and b.

Measures in 2009			EUL_ID	Desc.	EUL	RUL
Measure	EUL	Source				
Envelope & Air sealing	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Attic insulation	20	DEER	BS-Ceillns	Roof/Ceiling Insulation - Residential	20	
Duct sealing and testing	18	DEER	HV-DuctSeal	Duct Sealing	18	
Furnace, Repair & Replace	20	DEER	HV-EffFurn	High Efficiency Furnace	20	
Water heater repair and replace	11	DEER	WtrHt-Res-Gas	Residential Gas Water Heater	11	
Furnace, Clean & Tune	5	DEER	HV-ResRCx	Residential HVAC assessment report & maintenance contract	5	
Water Heater Conservation Measures	10	This is the median EUL of the four measures in this category (low-flow showerheads, water heater blanket, water heater pipe insulation and faucet	WtrHt-WH-Shrhd WtrHt-WH-Aertr WtrHt-WH-R4PipeIns-Gas WtrHt-Res-		10 10 11 5	

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		aerator).	Gas			
Forced Air Unit	6.7	DEER (1/3 * EUL)	HV-EffFurn	High Efficiency Furnace	20	6.7

c) 11.21 EUL weighted average

d) ESA program measures by climate zone is not available.

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QUESTION 6:

Regarding SoCalGas' proposed changes to the "Go-Back Rule," please provide the following information:

- a. The list of eligible ESA measures proposed to be offered by SoCalGas in 2016-2017, including the EUL for each such measure (with the EUL based on currently accepted DEER or workpaper values to the extent those measures are in DEER or have workpapers), and indicate the source of the EUL data (See SDG&E ESA Testimony, Table 14, p. 98);
- b. The weighted average EUL of measures forecasted by SoCalGas to be installed as part of the ESA program in 2016; and
- c. The weighted average EUL of measures forecasted to be installed by SoCalGas in each climate zone as part of the ESA program 2016.

RESPONSE 6:

- a) Please refer to the table below for SoCalGas' response.

Measures proposed for the 2016-17 application						
Measure	EUL	Source	EUL_ID	Desc.	EUL	RUL
Envelope & Air sealing	11	DEER	BS-Wthr	Low-Income Weatherization	11	
Attic insulation	20	DEER	BS-Ceillns	Roof/Ceiling Insulation - Residential	20	
Duct sealing and testing	18	DEER	HV-DuctSeal	Duct Sealing	18	
HE Clothes washer	11	DEER	Appl-EffCW	High Efficiency Clothes Washer	11	
Low Flow Shower Head	10	DEER	WtrHt-WH-Shrhd	Low-Flow Showerhead	10	
Water Heater Pipe Insulation	11	DEER	WtrHt-WH-R4PipeIns-Gas	Pipe Insulation - Gas Water Heater - Residential	11	
Faucet Aerator	10	DEER	WtrHt-WH-Aertr	Faucet Aerators	10	
Furnace, Repair & Replace	20	DEER	HV-EffFurn	High Efficiency Furnace	20	
Thermostatic Shower Valve	10	DEER	WtrHt-WH-Shrhd	Low-Flow Showerhead	10	
Water heater repair and replace	11	DEER	WtrHt-Res-Gas	Residential Gas Water Heater	11	

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HE Furnace	20	DEER	HV-EffFurn	High Efficiency Furnace	20	
FAU standing pilot light conversion*	6.7	DEER (1/3 * EUL)	HV-EffFurn	High Efficiency Furnace	20	6.7
Furnace clean and tune	5	DEER	HV-ResRCx	Residential HVAC assessment report & maintenance contract	5	
Water Heater Blanket*	3.7	DEER (1/3 * EUL)	WtrHt-Res-Gas	Residential Gas Water Heater	11	3.7
Tub Spout	10	This is a new measure - we expect the EUL to be the same as similar measures.	WtrHt-WH-Shrhd	Low-Flow Showerhead	10	
<p><i>* The FAU standing pilot light conversion and water heater blanket, reflects the <u>corrected EULs</u>, 6.7 and 3.7, respectively, compared to the EULs filed in the SCG LI Application, Table 19, p107.” SCG will include this correction in its upcoming errata filing.</i></p>						

b) 10.39 EUL weighted average.

c) Please refer to the below table for SoCalGas’ response. Please note, SoCalGas does not have installation numbers broken out by climate zone for measures in which therm savings does not vary by climate zone. These measures are included in the “All” climate zone.

Climate Zone	EUL Weighted Average
4	11.03
5	11.58
6	11.74
8	11.73
9	11.68
10	10.58
13	10.63
14	10.99
15	9.43
16	11.25
All	10.10

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QUESTION 7:

Please provide SoCalGas' response to Question 2 of ORA Data Request No. DRA_SoCalGas_005 (2015), which asks for SoCalGas' policy or policies from 2002 on about households that "are eligible for having additional ESA upgrades after having previously participated in the program." TURN notes that it is unclear to us whether this question is actually included in set DRA_SoCalGas_004 or DRA_SoCalGas_005 because of a discrepancy between the file name and the DR title contained in the document.

RESPONSE 7:

Please refer to the below attachment which includes SoCalGas' response to Question 2 of ORA data request no. DRA-SOCALGAS-4.



DRA-SOCALGAS-04 -
Response to Q2.doc