

SOUTHERN CALIFORNIA GAS COMPANY
APPLICATION TO ESTABLISH A DEMAND RESPONSE PROGRAM
(D.18-11-005)

(Indicated Shippers Data Request-01)

DATE RECEIVED: March 04, 2019
DATE RESPONDED: March 18, 2019

QUESTION 1:

Please provide an executable version in native format with all formulas intact of the workpapers supporting the allocation shown on page 8 of Chapter 4, and include the dollar amounts of increase each year. Please also provide all supporting workpapers.

RESPONSE 1:

Please see attached files. The Summary File contains the allocation shown on page 8 of Chapter 4. "Dollar amounts of increase each year" has been added to the right side of the Bundled Rates Table. See tab "Rates Summary," rows 35-48. There are three rates models attached, one for each year. These models calculate the Public Purpose Program Surcharge (PPPS) rates and rate impacts assuming Demand Response Program costs are added.

Summary File:



A.18-11-005_IS
DR-01_Q01_SCG 201

2020 Rates Model:



A.18-11-005_IS
DR-01_Q01_SCG 202

2021 Rates Model:



A.18-11-005_IS
DR-01_Q01_SCG 202

2022 Rates Model:



A.18-11-005_IS
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QUESTION 2:

Please provide the rate impact information in the same detail as is presented in Attachment C in Application A.18-07-024 (2020 Triennial Cost Allocation Proceeding). Please provide an executable version in native format with all formulas intact. Please also provide all supporting workpapers.

RESPONSE 2:

The detail in Attachment C in Application (A.) 18-07-024 (2020 Triennial Cost Allocation Proceeding) is not applicable to Demand Response Programs. The details shown in the specified attachment reflect comprehensive rate impacts for SoCalGas' transportation rates. SoCalGas is not proposing to recover Demand Response Program costs in transportation rates, but in PPS rates. The rate impact details provided in this proceeding and in response to Question 1 above are comprehensive to PPS rate impacts. Where subsequent questions in this Data Request ask for "same detail as question 2," the detail shown in the Table 4.2 of Chapter 4, Prepared Direct Testimony of Reginald M. Austria and Michael Foster, will be provided.

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QUESTION 3:

If not provided in response to other requests, please provide the derivation of the Equal Percent of Margin (“EPAM”) for each rate in the same detail as provided in response to Questions 1 and 2.

RESPONSE 3:

The derivation of the EPAM weights for each customer class is outlined in the table below. Allocation percentages shown as “EPAM excl EOR & UBS” (Enhanced Oil Recovery & Unbundled Storage) were approved in SoCalGas’ 2016 Triennial Cost Allocation Proceeding (TCAP), D.16-10-004. From these weightings, Natural Gas Vehicle (NGV) and Electric Generation (EG) & Wholesale (W/S) are removed. The resulting weights shown as “EPAM excl NGV, EG, EOR, UBS” are used to allocate Demand Response Program costs in this application.

	Residential	C&I	Gas A/C	Gas Engine	NGV	Total Core	NCCI	EG & W/S	Total NonCore	Total System
<u>Program Cost Allocators</u>										
EPAM excl EOR & UBS	80.3%	13.1%	0.0%	0.2%	0.8%	94.4%	2.9%	2.7%	5.6%	100.0%
remove NGV & EG & W/S	80.3%	13.1%	0.0%	0.2%		93.6%	2.9%		2.9%	96.5%
EPAM excl NGV, EG, EOR, UBS	83.3%	13.5%	0.0%	0.2%		97.0%	3.0%	0.0%	3.0%	100.0%

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QUESTION 4:

Please state the rationale or basis for allocating the proposed demand response cost to customer classes using EPAM.

RESPONSE 4:

SoCalGas proposes to allocate program costs using an Equal Percent of Authorized Margin (EPAM) methodology. This methodology allocates programs costs on the same percentages as base margin is allocated as per SoCalGas' most recent TCAP Decision (D.) 16-10-004. Demand Response Programs broadly benefit all customers classes as they are intended to enhance system reliability during times of system stress.

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QUESTION 5:

Please provide a version of Table 4-2 on page 8 of Chapter 4 that excludes natural gas commodity. Please provide in the same detail as requested in Question 2.

RESPONSE 5:

The below table shows the values in Table 4-2 on page 8 of Chapter 4 after removing all costs related to Natural Gas Procurement.

Customer Class	Current Rates	2020		2021		2022		2020	2021	2022	
		\$/th	\$/th	% change	\$/th	% change	\$/th	% change	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Core-CARE											
Residential	0.66881	0.67836	1%	0.67478	-1%	0.67481	0%	n/a	n/a	n/a	
Commercial/Industrial	0.29962	0.30334	1%	0.30195	0%	0.30196	0%	n/a	n/a	n/a	
Gas AC	0.19603	0.19739	1%	0.19688	0%	0.19689	0%	n/a	n/a	n/a	
Core-Non CARE											
Residential	0.84282	0.85237	1%	0.84880	0%	0.84882	0%	23,211	14,518	14,589	
Commercial/Industrial	0.38880	0.39252	1%	0.39113	0%	0.39114	0%	3,771	2,359	2,370	
Gas AC	0.25116	0.25252	1%	0.25201	0%	0.25201	0%	1	1	1	
Gas Engine	0.22291	0.22586	1%	0.22475	0%	0.22476	0%	61	38	38	
Natural Gas Vehicle	0.15141	0.15141	0%	0.15141	0%	0.15141	0%	-	-	-	
Noncore											
Commercial/Industrial	0.08243	0.08298	1%	0.08277	0%	0.08278	0%	825	516	519	
								Total	27,870	17,432	17,517

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QUESTION 6:

Please provide executable version in native format with all formulas intact of the workpapers supporting the allocations and rate designs in Advice Letter No. 5374.

RESPONSE 6:

Please see attachment “A.18-11-005_IS DR-01_Q06_SCG 2019 PPS Rate Model” with all formulas intact supporting the allocations and rate designs in Advice Letter 5374.

2019 PPS Rates Model:



A.18-11-005_IS
DR-01_Q06_SCG 201

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QUESTION 7:

On page 2 of Chapter 4, on line 3, there is a reference to \$4.3 million of winter demand response (“WDR”) program costs recorded in the WDRMA for the 2016-2017 and 2017-2018 programs. Please:

- a. Provide the amount for 2016-2017 and 2017-2018 separately.
- b. Provide a breakdown of the 2016-2017 and 2017-2018 expenditures by program.
- c. Provide for each period and for each program, expenditures by rate class in the same detail as requested in Question 2.

RESPONSE 7:

(a) and (b):

2016-2017			
Program	2016	2017	2018
Natural Gas Conservation Campaign Notification Campaign	\$ 1,690,624	\$ 359,942	
Natural Gas Conservation Pilot Rebate Program	\$ 73,501	\$ 259,203	
Noncore, Non-Electric Generatio, Natural Gas Conservation Campaign		\$ 128,179	
Measurement & Evaluation		\$ 212,209	
Interest	\$ 1,234	\$ 24,459	\$ 39,124
Total	\$ 1,765,360	\$ 983,993	\$ 39,124

2017-2018			
Program	2016	2017	2018
Smart Thermostat Load Control Program			\$ 1,452,652
Natural Gas DR Water Heater Technology Assessment			\$ 17,000
Measure & Evaluation			\$ 39,270
Interest			\$ 14,078
Total			\$ 1,523,000

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(c):

2016-2017

Natural Gas Conservation Campaign Notification Campaign

Customer Class	2016	2017	2018
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	1,408	300	-
Commercial/Industrial	229	49	-
Gas AC	0	0	-
Gas Engine	4	1	-
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	50	11	-
	1,691	360	-

Natural Gas Conservation Pilot Rebate Program

Customer Class	2016	2017	2018
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	61	216	-
Commercial/Industrial	10	35	-
Gas AC	0	0	-
Gas Engine	0	1	-
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	2	8	-
	74	259	-

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Noncore, Non-Electric Generation, Natural Gas Conservation Campaign

Customer Class	2016	2017	2018
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	-	107	-
Commercial/Industrial	-	17	-
Gas AC	-	0	-
Gas Engine	-	0	-
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	-	4	-
	-	128	-

Measurement & Evaluation

Customer Class	2016	2017	2018
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	-	177	-
Commercial/Industrial	-	29	-
Gas AC	-	0	-
Gas Engine	-	0	-
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	-	6	-
	-	212	-

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2017-2018

Smart Thermostat Load Control Program

Customer Class	2016	2017	2018
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	-	-	1,210
Commercial/Industrial	-	-	197
Gas AC	-	-	0
Gas Engine	-	-	3
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	-	-	43
	-	-	1,453

Natural Gas DR Water Heater Technology Assessment

Customer Class	2016	2017	2018
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	-	-	14
Commercial/Industrial	-	-	2
Gas AC	-	-	0
Gas Engine	-	-	0
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	-	-	1
	-	-	17

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Measure & Evaluation

Customer Class	2016	2017	2018
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	-	-	33
Commercial/Industrial	-	-	5
Gas AC	-	-	0
Gas Engine	-	-	0
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	-	-	1
	-	-	39

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QUESTION 8:

Page 2 of Chapter 4 references, on line 4, an estimated \$5.87 million for the 2018-2019 WDR program. Please:

- a. Provide the dollar amounts by program.
- b. Provide for each period and for each program, expenditures by rate class in the same detail as requested in Question 1 and 2.

RESPONSE 8:

(a)

2018-2019	
Program	2019
Smart Thermostat Load Control Program	\$5,720,000
Measure & Evaluation	\$ 150,000
Total	\$5,870,000

(b)

Smart Thermostat Load Control Program

Customer Class	2019-2020
Core	\$ change (\$0,000)
Residential	4,764
Commercial/Industrial	774
Gas AC	0
Gas Engine	13
Natural Gas Vehicle	-
Noncore	
Commercial/Industrial	169
	5,720

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Measure & Evaluation

Customer Class	2019-2020
Core	\$ change (\$0,000)
Residential	125
Commercial/Industrial	20
Gas AC	0
Gas Engine	0
Natural Gas Vehicle	-
Noncore	
Commercial/Industrial	4
	150

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QUESTION 9:

On page 2 of Chapter 4, lines-6, there is a reference to \$2 million during the 2018-2019 winter for notification marketing campaign. Please provide the expected expenditures by rate class in the same detail as requested in Question 2.

RESPONSE 9:

Customer Class	2018-2019
Core	\$ change (\$0,000)
Residential	1,666
Commercial/Industrial	271
Gas AC	0
Gas Engine	4
Natural Gas Vehicle	-
Noncore	
Commercial/Industrial	59
	2,000

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QUESTION 10:

Referring to Table 1-10 on page 25 of Chapter 1, please provide for each line item, and for each year, the expected expenditures by rate class in the same detail as requested in Question 2.

RESPONSE 10:

Space Heating Load Control (SHLC) Pilot:

Customer Class	2020	2021	2022
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	4,819	5,476	6,168
Commercial/Industrial	783	890	1,002
Gas AC	0	0	0
Gas Engine	13	14	16
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	171	195	219
	5,786	6,575	7,406

Water Heating Load Control (WHLC) Pilot:

Customer Class	2020	2021	2022
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	1,203	1,707	2,201
Commercial/Industrial	196	277	358
Gas AC	0	0	0
Gas Engine	3	4	6
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	43	61	78
	1,445	2,049	2,643

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Load Reduction Pilot (LRP):

Customer Class	2020	2021	2022
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	771	1,197	1,624
Commercial/Industrial	125	194	264
Gas AC	0	0	0
Gas Engine	2	3	4
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	27	43	58
	926	1,437	1,950

Behavioral Messaging Pilot:

Customer Class	2020	2021	2022
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	-	495	596
Commercial/Industrial	-	80	97
Gas AC	-	0	0
Gas Engine	-	1	2
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	-	18	21
	-	594	716

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Gas DR Emerging Technologies Program:

Customer Class	2020	2021	2022
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	702	708	715
Commercial/Industrial	114	115	116
Gas AC	0	0	0
Gas Engine	2	2	2
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	25	25	25
	843	850	859

Evaluation Measurement and Verification:

Customer Class	2020	2021	2022
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	448	575	679
Commercial/Industrial	73	94	110
Gas AC	0	0	0
Gas Engine	1	2	2
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	16	20	24
	538	691	815

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QUESTION 11:

For Table 3-1 on page 6 of Chapter 3, please provide the expected expenditures by rate class in the same detail as requested in response to Question 2.

RESPONSE 11:

Customer Class	2020	2021	2022
Core	\$ change (\$0,000)	\$ change (\$0,000)	\$ change (\$0,000)
Residential	1,998	2,008	2,018
Commercial/Industrial	325	326	328
Gas AC	0	0	0
Gas Engine	5	5	5
Natural Gas Vehicle	-	-	-
Noncore			
Commercial/Industrial	71	71	72
	2,399	2,411	2,423

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QUESTION 12:

Please provide a complete set of all workpapers associated with the filing. Where available, please provide executable versions in native format with all formulas intact.

RESPONSE 12:

SoCalGas does not have documents defined as “workpapers associated with the filing.” However, supporting documentation regarding the information provided in the application is attached in response to Question 13.

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QUESTION 13:

Please provide a copy of the responses to all data requests that Southern California Gas Company has made to the Public Advocates and all other parties. Please include all attachments and, where available, please provide executable versions in native format with all formulas intact.

RESPONSE 13:

Please see attached responses to all data requests that Southern California Gas Company has provided to the Public Advocates.



Cal PA

DR-01_Response_Fin:



Demand Response
Program A.18-11-005



Demand Response
Program A.18-11-005



Demand Response
Program A.18-11-005



CalAdvocates

DR-02_Response_Fin:



CalAdvocates

DR-03_Response_Fin:

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QUESTION 14:

Please continue to provide responses made by Southern California Gas Company to the Public Advocates and other parties as those responses are provided to the requesting party. Please include all attachments and, where available, provide executable versions in native format with all formulas intact.

RESPONSE 14:

Responses to data requests provided to the Public Advocates office and other parties are available through the SoCalGas website.

Link: <https://www.socalgas.com/regulatory/A18-11-005.shtml>