

**SOUTHERN CALIFORNIA GAS COMPANY
2024 TCAP**

**Section 3
Submeter Credit Model**

**Workpapers to the Prepared Written Testimony of
Michael Foster**

Errata (Redlined) - September 8, 2023

Step 1: Submetering Avoided Cost Credit

>> For multi-family dwelling units & mobile home parks supplied through one meter and submetered to all individual units (Schedule GS).
 >> Due to use of Subunit, Traditional Meter Capital and O&M Expenses Are Avoided. However, Savings Offset By Incurred Master Meter Capital and O&M Expenses.
 >> Master Meter Capital and O&M Expenses are Quantified on a Per Subunit Basis.
 >> Net Submetering Avoided Cost Credit = (Traditional Meter Capital and O&M) - (Master Meter Capital and O&M ÷ Average No. of Subunits Per Master Meter)
 >> Adopted Proposal = Western Mobilehome Parkowners Association. From Exhibit No. 52-A, As Filed w/Scaling.

**SUBMETER AVOIDED COST CREDIT
2024 TCAP Update**

		Avoided Cost Per Subunit (Single Family)	Incurred Cost Per Master Meter (Small)		
Capital Cost - Annual Revenue Requirement		(\$/cst/yr.)	(\$/cst/yr.)		
1	Meter	\$45.97	\$146.93	1	SCG LRMCM Customer Cost - Tab cust mc
2	Service Line	\$79.63	\$807.57	2	SCG LRMCM Customer Cost - Tab cust mc
3	Mains (Exclusive use)	\$0.00	\$0.00	3	SCG LRMCM Customer Cost - Tab cust mc
4	Subtotal Capital	\$125.61	\$954.50	4	
O&M Cost					
5	Meter O&M	\$1.59	\$5.14	5	SCG LRMCM Customer Cost - Tab cust mc
6	Service Line O&M	\$9.07	\$14.40	6	SCG LRMCM Customer Cost - Tab cust mc
7	Customer Services O&M	\$24.52	\$24.52	7	SCG LRMCM Customer Cost - Tab cust mc
8	Customer Accounts O&M	\$15.27	\$15.27	8	SCG LRMCM Customer Cost - Tab cust mc
	Customer Service & Information Cost (CSI) Costs O&M	\$3.78	\$3.78		
O&M Loaders					
9	A&G Loading	\$47.29	\$55.02	9	SCG LRMCM Customer Cost - Tab cust mc
10	General Plant Loading	\$47.09	\$54.79	10	SCG LRMCM Customer Cost - Tab cust mc
11	M&S Costs	\$0.27	\$0.31	11	SCG LRMCM Customer Cost - Tab cust mc
12	Subtotal O&M	\$148.87	\$173.23	12	
13	Net Capital + O&M Cost	\$274.47	\$1,127.73	13	
14	x Scaling Factor	69.72%	69.72%	14	SCG Cost Allocation
15	= Avoided / Incurred Cost / Yr	\$191.37	\$786.27	15	
16	+ Number Months / Year	12	12	16	
17	= Avoided / Incurred Cost / Mo	\$15.95	\$65.52	17	
18	+ Avg No. of Subunits Per Master Meter Account	1	81	18	Recorded 2021
19	= Incurred Cost Per Living Unit for Master Meter		\$0.80	19	
20	Net Avoided Cost / Month	\$15.15 <<< OUTPUT		20	<<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.

Step 2: Daily Submetering Credit

>> The Submeter Avoided Cost Credit Is Provided As A Daily Credit for Tariff Reporting Purposes.
 >> Note: CARE Customers Receive the Submeter Avoided Cost Credit LESS the CARE Discount.

**DAILY SUBMETER CREDIT
2024 TCAP Update**

Description		GS / GT - S (Dollars)	Care Rate GSL / GT - SL (Dollars)		
1	Net Avoided Cost / Month	\$15.15	\$15.15	1	
2	- SoCalGas Monthly Cust Charge	\$5.00	\$4.00	2	<<< Employs Current CARE Discount Rate of 20%
3	Submeter Credit / Month	\$10.15	\$11.15	3	<<< OUTPUT
4	x Number Months / Year	12	12	4	
5	Submeter Credit / Year	\$121.80	\$133.80	5	
6	+ Number Days / Year	365	365	6	
7	= Submeter Credit / Day	\$0.33370	\$0.36658	7	<<< OUTPUT

Step 1: Submetering Avoided Cost Credit

>> For multi-family dwelling units & mobile home parks supplied through one meter and submetered to all individual units (Schedule GS).
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 >> Net Submetering Avoided Cost Credit = (Traditional Meter Capital and O&M) - (Master Meter Capital and O&M ÷ Average No. of Subunit)
 >> Adopted Proposal = Western Mobilehome Parkowners Association. From Exhibit No. 52-A, As Filed w/Scaling.

**SUBMETER AVOIDED COST CREDIT
2024 TCAP Update**

		Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per Master Meter (S) (\$/cst/yr.)
	Capital Cost - Annual Revenue Requirement		
1	Meter	\$45.97	\$146.93
2	Service Line	\$79.63	\$807.57
3	Mains (Exclusive use)	\$0.00	\$0.00
4	Subtotal Capital	\$125.61	\$954.50
	O&M Cost		
5	Meter O&M	\$1.59	\$5.14
6	Service Line O&M	\$9.07	\$14.40
7	Customer Services O&M	\$24.52	\$24.52
8	Customer Accounts O&M	\$15.27	\$15.27
	Customer Service & Information Cost (CSI) Costs O&M	\$3.78	\$3.78
	O&M Loaders		
9	A&G Loading	\$47.29	\$55.02
10	General Plant Loading	\$47.09	\$54.79
11	M&S Costs	\$0.27	\$0.31
12	Subtotal O&M	\$148.87	\$173.23
13	Net Capital + O&M Cost	\$274.47	\$1,127.73
14	x Scaling Factor	69.63%	69.63%
15	= Avoided / Incurred Cost / Yr	\$191.11	\$785.20
16	÷ Number Months / Year	12	12
17	= Avoided / Incurred Cost / Mo	\$15.93	\$65.43
18	÷ Avg No. of Subunits Per Master Meter Account	1	81
19	= Incurred Cost Per Living Unit for Master Meter		\$0.80
20	Net Avoided Cost / Month	\$15.13	<<< OUTPUT

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**DAILY SUBMETER CREDIT
2024 TCAP Update**

	Description	GS / GT - S (Dollars)	Care Rate GSL / GT - SL (Dollars)
1	Net Avoided Cost / Month	\$15.13	\$15.13
2	- SoCalGas Monthly Cust Charge	\$10.00	\$5.00
3	Submeter Credit / Month	\$5.13	\$10.13
4	x Number Months / Year	12	12
5	Submeter Credit / Year	\$61.56	\$121.56
6	÷ Number Days / Year	365	365
7	= Submeter Credit / Day	\$0.16866	\$0.33304

Capital and O&M Expenses.

its Per Master Meter)

small)

1	SCG LRMC Customer Cost - Tab cust mc
2	SCG LRMC Customer Cost - Tab cust mc
3	SCG LRMC Customer Cost - Tab cust mc
4	
5	SCG LRMC Customer Cost - Tab cust mc
6	SCG LRMC Customer Cost - Tab cust mc
7	SCG LRMC Customer Cost - Tab cust mc
8	SCG LRMC Customer Cost - Tab cust mc
9	SCG LRMC Customer Cost - Tab cust mc
10	SCG LRMC Customer Cost - Tab cust mc
11	SCG LRMC Customer Cost - Tab cust mc
12	
13	
14	SCG Cost Allocation
15	
16	
17	
18	Recorded 2021
19	
20	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.

<<< GSL / GT - SL Tariff for Low Income Assistance Customers.

1	
2	<<< Employs Current CARE Discount Rate of 20%
3	<<< OUTPUT
4	
5	
6	
7	<<< OUTPUT

Step 1: Submetering Avoided Cost Credit

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2024 TCAP Update**

		Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per Master Meter (S) (\$/cst/yr.)
	Capital Cost - Annual Revenue Requirement		
1	Meter	\$45.97	\$146.93
2	Service Line	\$79.63	\$807.57
3	Mains (Exclusive use)	\$0.00	\$0.00
4	Subtotal Capital	\$125.61	\$954.50
	O&M Cost		
5	Meter O&M	\$1.59	\$5.14
6	Service Line O&M	\$9.07	\$14.40
7	Customer Services O&M	\$24.52	\$24.52
8	Customer Accounts O&M	\$15.27	\$15.27
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	O&M Loaders		
9	A&G Loading	\$47.29	\$55.02
10	General Plant Loading	\$47.09	\$54.79
11	M&S Costs	\$0.27	\$0.31
12	Subtotal O&M	\$148.87	\$173.23
13	Net Capital + O&M Cost	\$274.47	\$1,127.73
14	x Scaling Factor	69.15%	69.15%
15	= Avoided / Incurred Cost / Yr	\$189.79	\$779.77
16	÷ Number Months / Year	12	12
17	= Avoided / Incurred Cost / Mo	\$15.82	\$64.98
18	÷ Avg No. of Subunits Per Master Meter Account	1	81
19	= Incurred Cost Per Living Unit for Master Meter		\$0.80
20	Net Avoided Cost / Month	\$15.02	<<< OUTPUT

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**DAILY SUBMETER CREDIT
2024 TCAP Update**

	Description	GS / GT - S (Dollars)	Care Rate GSL / GT - SL (Dollars)
1	Net Avoided Cost / Month	\$15.02	\$15.02
2	- SoCalGas Monthly Cust Charge	\$15.00	\$7.50
3	Submeter Credit / Month	\$0.02	\$7.52
4	x Number Months / Year	12	12
5	Submeter Credit / Year	\$0.24	\$90.24
6	÷ Number Days / Year	365	365
7	= Submeter Credit / Day	\$0.00066	\$0.24723

Capital and O&M Expenses.

its Per Master Meter)

small)

1	SCG LRMC Customer Cost - Tab cust mc
2	SCG LRMC Customer Cost - Tab cust mc
3	SCG LRMC Customer Cost - Tab cust mc
4	
5	SCG LRMC Customer Cost - Tab cust mc
6	SCG LRMC Customer Cost - Tab cust mc
7	SCG LRMC Customer Cost - Tab cust mc
8	SCG LRMC Customer Cost - Tab cust mc
9	SCG LRMC Customer Cost - Tab cust mc
10	SCG LRMC Customer Cost - Tab cust mc
11	SCG LRMC Customer Cost - Tab cust mc
12	
13	
14	SCG Cost Allocation
15	
16	
17	
18	Recorded 2021
19	
20	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.

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1	
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3	<<< OUTPUT
4	
5	
6	
7	<<< OUTPUT

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	Capital Cost - Annual Revenue Requirement		
1	Meter	\$45.97	\$146.93
2	Service Line	\$79.63	\$807.57
3	Mains (Exclusive use)	\$0.00	\$0.00
4	Subtotal Capital	\$125.61	\$954.50
	O&M Cost		
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12	Subtotal O&M	\$148.87	\$173.23
13	Net Capital + O&M Cost	\$274.47	\$1,127.73
14	x Scaling Factor	68.57%	68.57%
15	= Avoided / Incurred Cost / Yr	\$188.21	\$773.30
16	÷ Number Months / Year	12	12
17	= Avoided / Incurred Cost / Mo	\$15.68	\$64.44
18	÷ Avg No. of Subunits Per Master Meter Account	1	81
19	= Incurred Cost Per Living Unit for Master Meter		\$0.79
20	Net Avoided Cost / Month	\$14.89	<<< OUTPUT

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2024 TCAP Update**

	Description	GS / GT - S (Dollars)	Care Rate GSL / GT - SL (Dollars)
1	Net Avoided Cost / Month	\$14.89	\$14.89
2	- SoCalGas Monthly Cust Charge	\$20.00	\$10.00
3	Submeter Credit / Month	\$0.00	\$4.89
4	x Number Months / Year	12	12
5	Submeter Credit / Year	\$0.00	\$58.68
6	÷ Number Days / Year	365	365
7	= Submeter Credit / Day	\$0.00000	\$0.16077
			\$0.16405

Capital and O&M Expenses.

its Per Master Meter)

small)

1	SCG LRMC Customer Cost - Tab cust mc
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**SOUTHERN CALIFORNIA GAS COMPANY
2024 TCAP**

CARE Bill Impact Calculations

**Workpapers to the Prepared Written Testimony of
Michael Foster**

2024 TCAP
 Bill Impact Calculations

TCAP CARE Bill Impact Graph Data

50% vol and customer count Usage	CARE Discount - Cust Charge		15	20
	CARE Discount	CARE Discount	20%	50%
	\$5 Cust Charge, 20% CARE Discount	\$15 Cust Charge, 50% CARE Discount on Cust Charge	\$5 Cust Charge, 20% CARE Discount	\$15 Cust Charge, 50% CARE Discount on Cust Charge
January	0.89	(13.32)	(8.84)	(11.74)
February	0.54	(11.98)	(8.85)	(11.23)
March	0.89	(5.63)	(5.50)	(5.52)
April	1.44	(5.34)	(4.59)	(5.27)
May	1.89	(0.87)	(0.81)	(0.82)
June	1.78	(0.97)	(0.92)	(0.92)
July	2.23	(0.84)	(0.79)	(0.80)
August	2.23	(0.83)	(0.79)	(0.80)
September	2.11	(0.95)	(0.91)	(0.91)
October	2.23	(0.85)	(0.80)	(0.81)
November	1.78	(5.31)	(3.59)	(4.34)
December	1.22	(13.27)	(6.15)	(8.59)
Average	1.60	(5.01)	(3.54)	(4.31)

2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Lowest 10 Percentile

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill \$20 Cust Charge	Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Care Discount	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage	
																	Customer Discount - Charge	Care Discount	Customer Discount - Charge	Care Discount				
Yes	1	1,750,275	46	35	10	92	37	8	11.94	12.83	0.89	TRUE	1.600	31	50	20%	20%	20%	50%	8	8	0		
Yes	2	1,762,765	43	34	9	85	36	8	11.55	12.09	0.54	TRUE	1.600	28	45	20%	20%	20%	50%	8	8	0		
Yes	3	1,770,705	38	32	6	75	32	8	11.94	12.83	0.89	TRUE	0.874	31	27	20%	20%	20%	50%	8	8	0		
Yes	4	1,782,822	28	26	2	53	24	6	9.85	11.29	1.44	TRUE	0.874	30	26	20%	20%	20%	50%	6	6	0		
Yes	5	1,800,018	21	18	3	38	19	5	8.99	10.89	1.89	TRUE	0.424	31	13	20%	20%	20%	50%	5	5	0		
Yes	6	1,803,972	19	11	8	35	17	5	8.86	10.64	1.78	TRUE	0.424	30	13	20%	20%	20%	50%	5	5	0		
Yes	7	1,813,785	16	10	6	29	14	4	8.01	10.24	2.23	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0		
Yes	8	1,821,982	15	10	5	27	13	4	8.01	10.24	2.23	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0		
Yes	9	1,830,888	16	10	6	29	14	4	7.88	9.99	2.11	TRUE	0.424	30	13	20%	20%	20%	50%	4	4	0		
Yes	10	1,824,865	18	11	8	33	16	4	8.01	10.24	2.23	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0		
Yes	11	1,804,430	23	16	8	43	21	5	8.86	10.64	1.78	TRUE	0.874	30	26	20%	20%	20%	50%	5	5	0		
Yes	12	1,791,172	36	27	9	74	29	7	10.96	12.18	1.22	TRUE	1.600	31	50	20%	20%	20%	50%	7	7	0		
									9.57															
																								1.60
																								0.17

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.493150685	0.37238413	1.213565319		0.073254775	0.00577	0.022411264
11.94	4.07671	5.07130	-	2.57099	-	0.04616	0.17929	12.83	7.64384	2.38326	-	2.57741	-	0.04616	0.17929
11.55	3.68219	5.07130	-	2.57099	-	0.04616	0.17929	12.09	6.90411	2.38326	-	2.57741	-	0.04616	0.17929
11.94	4.07671	5.07130	-	2.57099	-	0.04616	0.17929	12.83	7.64384	2.38326	-	2.57741	-	0.04616	0.17929
9.85	3.94521	3.80347	-	1.92824	-	0.03462	0.13447	11.29	7.39726	1.78744	-	1.93306	-	0.03462	0.13447
8.99	4.07671	3.16956	-	1.60687	-	0.02885	0.11206	10.89	7.64384	1.48954	-	1.61088	-	0.02885	0.11206
8.86	3.94521	3.16956	-	1.60687	-	0.02885	0.11206	10.64	7.39726	1.48954	-	1.61088	-	0.02885	0.11206
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	10.24	7.64384	1.19163	-	1.28871	-	0.02308	0.08965
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	10.24	7.64384	1.19163	-	1.28871	-	0.02308	0.08965
7.88	3.94521	2.53565	-	1.28550	-	0.02308	0.08965	9.99	7.39726	1.19163	-	1.28871	-	0.02308	0.08965
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	10.24	7.64384	1.19163	-	1.28871	-	0.02308	0.08965
8.86	3.94521	3.16956	-	1.60687	-	0.02885	0.11206	10.64	7.39726	1.48954	-	1.61088	-	0.02885	0.11206
10.96	4.07671	4.43739	-	2.24962	-	0.04039	0.15688	12.18	7.64384	2.08535	-	2.25524	-	0.04039	0.15688
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			

2024 TCAP
Bill Impact Calculations

CARE Bill Impacts Average

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill		Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Care Discount	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
										Discount	Customer Charge						Discount - Customer Charge	Discount - Customer Charge					
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	48.97	37.24	(11.74)	TRUE	1.600	31	50	20%	20%	20%	50%	46	46	0	
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	46.07	34.85	(11.23)	TRUE	1.600	28	45	20%	20%	20%	50%	43	43	0	
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	45.67	40.15	(5.52)	TRUE	0.874	31	27	20%	20%	20%	50%	38	27	11	
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	32.33	27.06	(5.27)	TRUE	0.874	30	26	20%	20%	20%	50%	28	26	2	
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	28.03	27.22	(0.82)	TRUE	0.424	31	13	20%	20%	20%	50%	21	13	8	
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	25.21	24.29	(0.92)	TRUE	0.424	30	13	20%	20%	20%	50%	19	13	6	
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	21.09	20.29	(0.80)	TRUE	0.424	31	13	20%	20%	20%	50%	16	13	3	
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	19.03	18.23	(0.80)	TRUE	0.424	31	13	20%	20%	20%	50%	15	13	2	
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	20.53	19.61	(0.91)	TRUE	0.424	30	13	20%	20%	20%	50%	16	13	3	
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	24.10	23.29	(0.81)	TRUE	0.424	31	13	20%	20%	20%	50%	18	13	5	
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	26.80	22.46	(4.34)	TRUE	0.874	30	26	20%	20%	20%	50%	23	23	0	
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	39.73	31.15	(8.59)	TRUE	1.600	31	50	20%	20%	20%	50%	36	36	0	

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.493150685	0.37238413	1.213565319		0.073254775	0.00577	0.022411264
48.97	4.07671	28.93874	-	14.67104	-	0.26341	1.02310	37.24	7.64384	13.59977	-	14.70769	-	0.26341	1.02310
46.07	3.68219	27.32251	-	13.85166	-	0.24870	0.96596	34.85	6.90411	12.84022	-	13.88627	-	0.24870	0.96596
45.67	4.07671	17.11564	11.06761	12.32636	-	0.22131	0.85959	40.15	7.64384	8.04350	11.02422	12.35716	-	0.22131	0.85959
32.33	3.94521	16.48172	2.06884	9.03787	-	0.16227	0.63026	27.06	7.39726	7.74559	2.06073	9.06045	-	0.16227	0.63026
28.03	4.07671	8.24086	8.22234	6.88897	-	0.12369	0.48041	27.22	7.64384	3.87279	8.19011	6.90618	-	0.12369	0.48041
25.21	3.94521	8.24086	6.24249	6.23616	-	0.11197	0.43488	24.29	7.39726	3.87279	6.21802	6.25174	-	0.11197	0.43488
21.09	4.07671	8.24086	3.10852	5.20282	-	0.09341	0.36282	20.29	7.64384	3.87279	3.09634	5.21582	-	0.09341	0.36282
19.03	4.07671	8.24086	1.59379	4.70337	-	0.08445	0.32799	18.23	7.64384	3.87279	1.58754	4.71512	-	0.08445	0.32799
20.53	3.94521	8.24086	2.79468	5.09933	-	0.09155	0.35561	19.61	7.39726	3.87279	2.78372	5.11208	-	0.09155	0.35561
24.10	4.07671	8.24086	5.32522	5.93372	-	0.10653	0.41379	23.29	7.64384	3.87279	5.30435	5.94854	-	0.10653	0.41379
26.80	3.94521	14.72927	-	7.46728	-	0.13407	0.52074	22.46	7.39726	6.92203	-	7.48594	-	0.13407	0.52074
39.73	4.07671	22.98135	-	11.65083	-	0.20918	0.81248	31.15	7.64384	10.80009	-	11.67994	-	0.20918	0.81248
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40272			
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2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Median

CARE	revmo	Customers	Average Therms	Avg		High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill		Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Care Discount	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
				Customer - Charge	Care Discount					Customer - Charge	Care Discount													
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	40.47	31.63	(8.84)	TRUE	1.600	31	50	20%	20%	20%	50%	37	37	0		
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	39.09	30.24	(8.85)	TRUE	1.600	28	45	20%	20%	20%	50%	36	36	0		
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	37.25	31.75	(5.50)	TRUE	0.874	31	27	20%	20%	20%	50%	32	27	5		
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	27.55	22.96	(4.59)	TRUE	0.874	30	26	20%	20%	20%	50%	24	24	0		
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	24.81	24.00	(0.81)	TRUE	0.424	31	13	20%	20%	20%	50%	19	13	6		
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	22.03	21.11	(0.92)	TRUE	0.424	30	13	20%	20%	20%	50%	17	13	4		
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	18.19	17.39	(0.79)	TRUE	0.424	31	13	20%	20%	20%	50%	14	13	1		
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	16.86	16.07	(0.79)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0		
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	18.05	17.15	(0.91)	TRUE	0.424	30	13	20%	20%	20%	50%	14	13	1		
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	20.83	20.03	(0.80)	TRUE	0.424	31	13	20%	20%	20%	50%	16	13	3		
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	24.60	21.01	(3.59)	TRUE	0.874	30	26	20%	20%	20%	50%	21	21	0		
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	32.60	26.44	(6.15)	TRUE	1.600	31	50	20%	20%	20%	50%	29	29	0		

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.493150685	0.37238413	1.213565319		0.073254775	0.00577	0.022411264
40.47	4.07671	23.45476	-	11.89083	-	0.21349	0.82922	31.63	7.64384	11.02257	-	11.92054	-	0.21349	0.82922
39.09	3.68219	22.82085	-	11.56946	-	0.20772	0.80681	30.24	6.90411	10.72466	-	11.59837	-	0.20772	0.80681
37.25	4.07671	17.11564	4.87336	10.28396	-	0.18464	0.71716	31.75	7.64384	8.04350	4.85426	10.30966	-	0.18464	0.71716
27.55	3.94521	15.21390	-	7.71297	-	0.13848	0.53787	22.96	7.39726	7.14978	-	7.73224	-	0.13848	0.53787
24.81	4.07671	8.24086	5.84804	6.10610	-	0.10963	0.42581	24.00	7.64384	3.87279	5.82511	6.12136	-	0.10963	0.42581
22.03	3.94521	8.24086	3.89869	5.46335	-	0.09809	0.38099	21.11	7.39726	3.87279	3.88341	5.47701	-	0.09809	0.38099
18.19	4.07671	8.24086	0.97467	4.49923	-	0.08078	0.31376	17.39	7.64384	3.87279	0.97085	4.51048	-	0.08078	0.31376
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.07	7.64384	3.87279	-	4.18830	-	0.07501	0.29135
18.05	3.94521	8.24086	0.97467	4.49923	-	0.08078	0.31376	17.15	7.39726	3.87279	0.97085	4.51048	-	0.08078	0.31376
20.83	4.07671	8.24086	2.92402	5.14198	-	0.09232	0.35858	20.03	7.64384	3.87279	2.91256	5.15483	-	0.09232	0.35858
24.60	3.94521	13.31216	-	6.74885	-	0.12117	0.47064	21.01	7.39726	6.25605	-	6.76571	-	0.12117	0.47064
32.60	4.07671	18.38346	-	9.31984	-	0.16733	0.64993	26.44	7.64384	8.63931	-	9.34313	-	0.16733	0.64993
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40272			
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2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Median

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill		Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Care Discount	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
										Discount - Customer Charge	Care Discount							Discount - Customer Charge	Care Discount					
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	53.25	40.06	(13.19)	TRUE	1.600	31	50	20%	20%	20%	50%	50	50	0		
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	47.94	36.08	(11.86)	TRUE	1.600	28	45	20%	20%	20%	50%	45	45	0		
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	30.63	25.15	(5.48)	TRUE	0.874	31	27	20%	20%	20%	50%	27	27	0		
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	29.52	24.25	(5.26)	TRUE	0.874	30	26	20%	20%	20%	50%	26	26	0		
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	16.86	16.07	(0.79)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0		
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	16.73	15.82	(0.91)	TRUE	0.424	30	13	20%	20%	20%	50%	13	13	0		
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	16.86	16.07	(0.79)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0		
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	16.86	16.07	(0.79)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0		
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	16.73	15.82	(0.91)	TRUE	0.424	30	13	20%	20%	20%	50%	13	13	0		
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	16.86	16.07	(0.79)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0		
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	29.52	24.25	(5.26)	TRUE	0.874	30	26	20%	20%	20%	50%	26	26	0		
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	53.25	40.06	(13.19)	TRUE	1.600	31	50	20%	20%	20%	50%	50	50	0		
									28.75	23.81	-17%													

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.493150685	0.37238413	1.213565319		0.073254775	0.00577	0.022411264
53.25	4.07671	31.69562	-	16.06869	-	0.28850	1.12056	40.06	7.64384	14.89537	-	16.10884	-	0.28850	1.12056
47.94	3.68219	28.52606	-	14.46182	-	0.25965	1.00851	36.08	6.90411	13.40583	-	14.49796	-	0.25965	1.00851
30.63	4.07671	17.11564	-	8.67709	-	0.15579	0.60510	25.15	7.64384	8.04350	-	8.69877	-	0.15579	0.60510
29.52	3.94521	16.48172	-	8.35572	-	0.15002	0.58269	24.25	7.39726	7.74559	-	8.37660	-	0.15002	0.58269
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.07	7.64384	3.87279	-	4.18830	-	0.07501	0.29135
16.73	3.94521	8.24086	-	4.17786	-	0.07501	0.29135	15.82	7.39726	3.87279	-	4.18830	-	0.07501	0.29135
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.07	7.64384	3.87279	-	4.18830	-	0.07501	0.29135
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.07	7.64384	3.87279	-	4.18830	-	0.07501	0.29135
16.73	3.94521	8.24086	-	4.17786	-	0.07501	0.29135	15.82	7.39726	3.87279	-	4.18830	-	0.07501	0.29135
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.07	7.64384	3.87279	-	4.18830	-	0.07501	0.29135
29.52	3.94521	16.48172	-	8.35572	-	0.15002	0.58269	24.25	7.39726	7.74559	-	8.37660	-	0.15002	0.58269
53.25	4.07671	31.69562	-	16.06869	-	0.28850	1.12056	40.06	7.64384	14.89537	-	16.10884	-	0.28850	1.12056
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40272			
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				0.40172								0.40272			
				0.40172								0.40272			

2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Average

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill \$10 Cust Charge	Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
																Care Discount	Customer Discount - Charge	Care Discount	Customer Discount - Charge			
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	108.87	95.55	(13.32)	TRUE	1.600	31	50	20%	20%	20%	50%	92	50	42
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	100.91	88.92	(11.98)	TRUE	1.600	28	45	20%	20%	20%	50%	85	45	40
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	94.19	88.57	(5.63)	TRUE	0.874	31	27	20%	20%	20%	50%	75	27	48
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	65.27	59.92	(5.34)	TRUE	0.874	30	26	20%	20%	20%	50%	53	26	27
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	49.97	49.10	(0.87)	TRUE	0.424	31	13	20%	20%	20%	50%	38	13	25
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	45.86	44.89	(0.97)	TRUE	0.424	30	13	20%	20%	20%	50%	35	13	22
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	38.05	37.21	(0.84)	TRUE	0.424	31	13	20%	20%	20%	50%	29	13	16
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	35.40	34.57	(0.83)	TRUE	0.424	31	13	20%	20%	20%	50%	27	13	14
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	37.92	36.96	(0.95)	TRUE	0.424	30	13	20%	20%	20%	50%	29	13	16
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	43.35	42.50	(0.85)	TRUE	0.424	31	13	20%	20%	20%	50%	33	13	20
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	52.03	46.71	(5.31)	TRUE	0.874	30	26	20%	20%	20%	50%	43	26	17
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	85.03	71.77	(13.27)	TRUE	1.600	31	50	20%	20%	20%	50%	74	50	24

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.493150685	0.37238413	1.213565319		0.073254775	0.00577	0.022411264
108.87	4.07671	31.69562	40.93626	29.56639	-	0.53084	2.06184	95.55	7.64384	14.89537	40.77579	29.64027	-	0.53084	2.06184
100.91	3.68219	28.52606	38.98692	27.31677	-	0.49045	1.90496	88.92	6.90411	13.40583	38.83409	27.38503	-	0.49045	1.90496
94.19	4.07671	17.11564	46.78430	24.10304	-	0.43275	1.68084	88.57	7.64384	8.04350	46.60091	24.16326	-	0.43275	1.68084
65.27	3.94521	16.48172	26.31617	17.03281	-	0.30581	1.18780	59.92	7.39726	7.74559	26.21301	17.07537	-	0.30581	1.18780
49.97	4.07671	8.24086	24.36682	12.21220	-	0.21926	0.85163	49.10	7.64384	3.87279	24.27131	12.24272	-	0.21926	0.85163
45.86	3.94521	8.24086	21.44280	11.24808	-	0.20195	0.78439	44.89	7.39726	3.87279	21.35875	11.27619	-	0.20195	0.78439
38.05	4.07671	8.24086	15.59477	9.31984	-	0.16733	0.64993	37.21	7.64384	3.87279	15.53364	9.34313	-	0.16733	0.64993
35.40	4.07671	8.24086	13.64542	8.67709	-	0.15579	0.60510	34.57	7.64384	3.87279	13.59193	8.69877	-	0.15579	0.60510
37.92	3.94521	8.24086	15.59477	9.31984	-	0.16733	0.64993	36.96	7.39726	3.87279	15.53364	9.34313	-	0.16733	0.64993
43.35	4.07671	8.24086	19.49346	10.60534	-	0.19041	0.73957	42.50	7.64384	3.87279	19.41705	10.63184	-	0.19041	0.73957
52.03	3.94521	16.48172	16.56944	13.81907	-	0.24811	0.96368	46.71	7.39726	7.74559	16.50449	13.85360	-	0.24811	0.96368
85.03	4.07671	31.69562	23.39215	23.78166	-	0.42698	1.65843	71.77	7.64384	14.89537	23.30045	23.84109	-	0.42698	1.65843
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			
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				0.40172								0.40272			
				0.40172								0.40272			
				0.40172								0.40272			

SoCalGas Residential Bill Impact

Customer Charge \$ 5 \$ 15

		\$15 Cust
		Charge,
	\$5 Cust	50% CARE
	Charge,	Discount
	20% CARE	on Cust
	Discount	Charge

INPUT:

Customer Charge \$/day =	\$0.16438	\$0.49315
BL Rate \$/th =	\$0.79239	\$0.37238
NBL Rate \$/th =	\$1.21834	\$1.21357
PPPS Non-CARE \$/th =	\$0.07837	\$0.07325
G-SRF \$/th =	\$0.00577	\$0.00577
PPPS CARE \$/th =	\$0.02241	\$0.02241

	G-CP \$/th	G-CP \$/th =
1/1/2022	0.401717	0.402721
2/1/2022	0.401717	0.402721
3/1/2022	0.401717	0.402721
4/1/2022	0.401717	0.402721
5/1/2021	0.401717	0.402721
6/1/2021	0.401717	0.402721
7/1/2021	0.401717	0.402721
8/1/2021	0.401717	0.402721
9/1/2021	0.401717	0.402721
10/1/2021	0.401717	0.402721
11/1/2021	0.401717	0.402721
12/1/2021	0.401717	0.402721
	0.401717	0.402721

**SOUTHERN CALIFORNIA GAS COMPANY
2024 TCAP**

CARE Bill Impact Calculations

**Workpapers to the Prepared Written Testimony of
Michael Foster**

2024 TCAP
 Bill Impact Calculations

TCAP CARE Bill Impact Graph Data								15	20
50% vol and customer count				CARE Discount - Cust Charge				20%	50%
Usage				CARE Discount				20%	20%
\$5 Cust Charge, \$20 Cust		\$5 Cust Charge, \$20 Cust		\$5 Cust Charge, \$20 Cust		\$5 Cust Charge, \$20 Cust			
20% CARE	Charge, 50%	20% CARE	Charge, 50%	20% CARE	Charge, 50%	20% CARE	Charge, 50%	20% CARE	Charge, 50%
Discount	CARE Discount	Discount	CARE Discount	Discount	CARE Discount	Discount	CARE Discount	Discount	CARE Discount
January	2.04		(19.64)		(12.76)				(17.17)
February	1.44		(17.67)		(12.84)				(16.46)
March	2.04		(7.94)		(7.68)				(7.72)
April	2.86		(7.50)		(6.32)				(7.35)
May	3.57		(0.66)		(0.55)				(0.57)
June	3.37		(0.84)		(0.74)				(0.75)
July	4.08		(0.61)		(0.52)				(0.53)
August	4.08		(0.60)		(0.51)				(0.52)
September	3.88		(0.81)		(0.72)				(0.73)
October	4.08		(0.63)		(0.53)				(0.55)
November	3.37		(7.44)		(4.79)				(5.93)
December	2.55		(19.53)		(8.68)				(12.37)
Average	3.11		(6.99)		(4.72)				(5.89)

2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Lowest 10 Percentile

CARE	revmo	Customers	Percentile							Total Bill			Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Care Discount	Bill 1		Bill 2		Monthly Therms	Baseline Usage	Non BL Usage
			Average	Avg	Avg Non	High (90th)	Median	Low (10th)	Status Quo	\$20 Cust	Delta	Care						Customer Discount - Care	Care	Customer Discount - Care				
Therms	Therms	Therms	Therms	Therms	Therms	Therms	Therms																	
Yes	1	1,750,275	46	35	10	92	37	8	11.94	13.98	2.04	TRUE	1.600	31	50	20%	20%	20%	50%	8	8	0		
Yes	2	1,762,765	43	34	9	85	36	8	11.55	12.99	1.44	TRUE	1.600	28	45	20%	20%	20%	50%	8	8	0		
Yes	3	1,770,705	38	32	6	75	32	8	11.94	13.98	2.04	TRUE	0.874	31	27	20%	20%	20%	50%	8	8	0		
Yes	4	1,782,822	28	26	2	53	24	6	9.85	12.70	2.86	TRUE	0.874	30	26	20%	20%	20%	50%	6	6	0		
Yes	5	1,800,018	21	18	3	38	19	5	8.99	12.56	3.57	TRUE	0.424	31	13	20%	20%	20%	50%	5	5	0		
Yes	6	1,803,972	19	11	8	35	17	5	8.86	12.23	3.37	TRUE	0.424	30	13	20%	20%	20%	50%	5	5	0		
Yes	7	1,813,785	16	10	6	29	14	4	8.01	12.09	4.08	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0		
Yes	8	1,821,982	15	10	5	27	13	4	8.01	12.09	4.08	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0		
Yes	9	1,830,888	16	10	6	29	14	4	7.88	11.76	3.88	TRUE	0.424	30	13	20%	20%	20%	50%	4	4	0		
Yes	10	1,824,865	18	11	8	33	16	4	8.01	12.09	4.08	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0		
Yes	11	1,804,430	23	16	8	43	21	5	8.86	12.23	3.37	TRUE	0.874	30	26	20%	20%	20%	50%	5	5	0		
Yes	12	1,791,172	36	27	9	74	29	7	10.96	13.51	2.55	TRUE	1.600	31	50	20%	20%	20%	50%	7	7	0		
									9.57															

2024 TCAP
Bill Impact Calculations

Customer Charge				BL Rate \$/th	NBL Rate \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Customer Charge				BL Rate \$/th	NBL Rate \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
Total Bill 1 \$/day =									Total Bill 2 \$/day =								
11.94	0.164383562	0.79239056	1.218341131	-	2.57099	0.078365633	0.00577	0.022411264	13.98	0.657534247	0.15295018	1.208952988	-	2.58338	0.07146011	0.00577	0.022411264
11.55	4.07671	5.07130	-	2.57099	-	0.04616	0.17929	-	12.99	10.19178	0.97888	-	2.58338	-	0.04616	0.17929	-
11.94	3.68219	5.07130	-	2.57099	-	0.04616	0.17929	-	13.98	9.20548	0.97888	-	2.58338	-	0.04616	0.17929	-
9.85	4.07671	5.07130	-	2.57099	-	0.04616	0.17929	-	13.98	10.19178	0.97888	-	2.58338	-	0.04616	0.17929	-
8.99	3.94521	3.80347	-	1.92824	-	0.03462	0.13447	-	12.70	9.86301	0.73416	-	1.93754	-	0.03462	0.13447	-
8.86	4.07671	3.16956	-	1.60687	-	0.02885	0.11206	-	12.56	10.19178	0.61180	-	1.61461	-	0.02885	0.11206	-
8.01	3.94521	3.16956	-	1.60687	-	0.02885	0.11206	-	12.23	9.86301	0.61180	-	1.61461	-	0.02885	0.11206	-
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	-	12.09	10.19178	0.48944	-	1.29169	-	0.02308	0.08965	-
7.88	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	-	12.09	10.19178	0.48944	-	1.29169	-	0.02308	0.08965	-
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	-	12.09	10.19178	0.48944	-	1.29169	-	0.02308	0.08965	-
8.86	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	-	12.23	9.86301	0.61180	-	1.61461	-	0.02885	0.11206	-
10.96	3.94521	3.16956	-	1.60687	-	0.02885	0.11206	-	13.51	10.19178	0.85652	-	2.26046	-	0.04039	0.15688	-
	4.07671	4.43739	-	2.24962	-	0.04039	0.15688	-									
				G-CP \$/th =									G-CP \$/th =				
				0.40172									0.40365				
				0.40172									0.40365				
				0.40172									0.40365				
				0.40172									0.40365				
				0.40172									0.40365				
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				0.40172									0.40365				
				0.40172									0.40365				
				0.40172									0.40365				

2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Average

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill		Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Care Discount	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
										Discount	Customer Charge						Customer Discount	Customer Discount					
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	48.97	31.81	(17.17)	TRUE	1.600	31	50	20%	20%	20%	50%	46	46	0	
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	46.07	29.61	(16.46)	TRUE	1.600	28	45	20%	20%	20%	50%	43	43	0	
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	45.67	37.94	(7.72)	TRUE	0.874	31	27	20%	20%	20%	50%	38	27	11	
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	32.33	24.97	(7.35)	TRUE	0.874	30	26	20%	20%	20%	50%	28	26	2	
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	28.03	27.47	(0.57)	TRUE	0.424	31	13	20%	20%	20%	50%	21	13	8	
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	25.21	24.46	(0.75)	TRUE	0.424	30	13	20%	20%	20%	50%	19	13	6	
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	21.09	20.55	(0.53)	TRUE	0.424	31	13	20%	20%	20%	50%	16	13	3	
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	19.03	18.50	(0.52)	TRUE	0.424	31	13	20%	20%	20%	50%	15	13	2	
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	20.53	19.80	(0.73)	TRUE	0.424	30	13	20%	20%	20%	50%	16	13	3	
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	24.10	23.55	(0.55)	TRUE	0.424	31	13	20%	20%	20%	50%	18	13	5	
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	26.80	20.86	(5.93)	TRUE	0.874	30	26	20%	20%	20%	50%	23	23	0	
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	39.73	27.36	(12.37)	TRUE	1.600	31	50	20%	20%	20%	50%	36	36	0	

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.657534247	0.15295018	1.208952988		0.07146011	0.00577	0.022411264
48.97	4.07671	28.93874	-	14.67104	-	0.26341	1.02310	31.81	10.19178	5.58586	-	14.74174	-	0.26341	1.02310
46.07	3.68219	27.32251	-	13.85166	-	0.24870	0.96596	29.61	9.20548	5.27389	-	13.91842	-	0.24870	0.96596
45.67	4.07671	17.11564	11.06761	12.32636	-	0.22131	0.85959	37.94	10.19178	3.30372	10.98232	12.38576	-	0.22131	0.85959
32.33	3.94521	16.48172	2.06884	9.03787	-	0.16227	0.63026	24.97	9.86301	3.18136	2.05290	9.08142	-	0.16227	0.63026
28.03	4.07671	8.24086	8.22234	6.88897	-	0.12369	0.48041	27.47	10.19178	1.59068	8.15898	6.92217	-	0.12369	0.48041
25.21	3.94521	8.24086	6.24249	6.23616	-	0.11197	0.43488	24.46	9.86301	1.59068	6.19438	6.26622	-	0.11197	0.43488
21.09	4.07671	8.24086	3.10852	5.20282	-	0.09341	0.36282	20.55	10.19178	1.59068	3.08457	5.22789	-	0.09341	0.36282
19.03	4.07671	8.24086	1.59379	4.70337	-	0.08445	0.32799	18.50	10.19178	1.59068	1.58150	4.72604	-	0.08445	0.32799
20.53	3.94521	8.24086	2.79468	5.09933	-	0.09155	0.35561	19.80	9.86301	1.59068	2.77314	5.12391	-	0.09155	0.35561
24.10	4.07671	8.24086	5.32522	5.93372	-	0.10653	0.41379	23.55	10.19178	1.59068	5.28419	5.96231	-	0.10653	0.41379
26.80	3.94521	14.72927	-	7.46728	-	0.13407	0.52074	20.86	9.86301	2.84310	-	7.50327	-	0.13407	0.52074
39.73	4.07671	22.98135	-	11.65083	-	0.20918	0.81248	27.36	10.19178	4.43595	-	11.70698	-	0.20918	0.81248
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40365			
				0.40172								0.40365			
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				0.40172								0.40365			
				0.40172								0.40365			

2024 TCAP
Bill Impact Calculations

CARE Bill Impacts Median

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill \$10 Cust Charge	Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1	Bill 1 Care Discount - Customer	Bill 2	Bill 2 Care Discount - Customer	Monthly Therms	Baseline Usage	Non BL Usage
																Care Discount	Care Discount	Care Discount				
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	40.47	27.71	(12.76)	TRUE	1.600	31	50	20%	20%	20%	50%	37	37	0
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	39.09	26.25	(12.84)	TRUE	1.600	28	45	20%	20%	20%	50%	36	36	0
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	37.25	29.57	(7.68)	TRUE	0.874	31	27	20%	20%	20%	50%	32	27	5
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	27.55	21.23	(6.32)	TRUE	0.874	30	26	20%	20%	20%	50%	24	24	0
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	24.81	24.26	(0.55)	TRUE	0.424	31	13	20%	20%	20%	50%	19	13	6
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	22.03	21.29	(0.74)	TRUE	0.424	30	13	20%	20%	20%	50%	17	13	4
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	18.19	17.67	(0.52)	TRUE	0.424	31	13	20%	20%	20%	50%	14	13	1
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	16.86	16.35	(0.51)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	18.05	17.34	(0.72)	TRUE	0.424	30	13	20%	20%	20%	50%	14	13	1
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	20.83	20.30	(0.53)	TRUE	0.424	31	13	20%	20%	20%	50%	16	13	3
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	24.60	19.81	(4.79)	TRUE	0.874	30	26	20%	20%	20%	50%	21	21	0
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	32.60	23.92	(8.68)	TRUE	1.600	31	50	20%	20%	20%	50%	29	29	0

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.005577	0.022411264		0.657534247	0.15295018	1.208952988		0.07146011	0.005577	0.022411264
40.47	4.07671	23.45476	-	11.89083	-	0.21349	0.82922	27.71	10.19178	4.52733	-	11.94814	-	0.21349	0.82922
39.09	3.68219	22.82085	-	11.56946	-	0.20772	0.80681	26.25	9.20548	4.40497	-	11.62521	-	0.20772	0.80681
37.25	4.07671	17.11564	4.87336	10.28396	-	0.18464	0.71716	29.57	10.19178	3.30372	4.83581	10.33352	-	0.18464	0.71716
27.55	3.94521	15.21390	-	7.71297	-	0.13848	0.53787	21.23	9.86301	2.93664	-	7.75014	-	0.13848	0.53787
24.81	4.07671	8.24086	5.84804	6.10610	-	0.10963	0.42581	24.26	10.19178	1.59068	5.80297	6.13553	-	0.10963	0.42581
22.03	3.94521	8.24086	3.89869	5.46335	-	0.09809	0.38099	21.29	9.86301	1.59068	3.86865	5.48968	-	0.09809	0.38099
18.19	4.07671	8.24086	0.97467	4.49923	-	0.08078	0.31376	17.67	10.19178	1.59068	0.96716	4.52092	-	0.08078	0.31376
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.35	10.19178	1.59068	-	4.19799	-	0.07501	0.29135
18.05	3.94521	8.24086	0.97467	4.49923	-	0.08078	0.31376	17.34	9.86301	1.59068	0.96716	4.52092	-	0.08078	0.31376
20.83	4.07671	8.24086	2.92402	5.14198	-	0.09232	0.35858	20.30	10.19178	1.59068	2.90149	5.16676	-	0.09232	0.35858
24.60	3.94521	13.31216	-	6.74885	-	0.12117	0.47064	19.81	9.86301	2.56956	-	6.78137	-	0.12117	0.47064
32.60	4.07671	18.38346	-	9.31984	-	0.16733	0.64993	23.92	10.19178	3.54844	-	9.36475	-	0.16733	0.64993
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40365			
				0.40172								0.40365			
				0.40172								0.40365			
				0.40172								0.40365			
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				0.40172								0.40365			
				0.40172								0.40365			

2024 TCAP
Bill Impact Calculations

CARE Bill Impacts Median

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill \$10 Cust Charge	Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1	Bill 1 Care Discount - Customer	Bill 2	Bill 2 Care Discount - Customer	Monthly Therms	Baseline Usage	Non BL Usage
																Care Discount	Care Discount	Care Discount				
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	53.25	33.86	(19.39)	TRUE	1.600	31	50	20%	20%	20%	50%	50	50	0
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	47.94	30.51	(17.43)	TRUE	1.600	28	45	20%	20%	20%	50%	45	45	0
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	30.63	22.98	(7.66)	TRUE	0.874	31	27	20%	20%	20%	50%	27	27	0
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	29.52	22.17	(7.34)	TRUE	0.874	30	26	20%	20%	20%	50%	26	26	0
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	16.86	16.35	(0.51)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	16.73	16.02	(0.71)	TRUE	0.424	30	13	20%	20%	20%	50%	13	13	0
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	16.86	16.35	(0.51)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	16.86	16.35	(0.51)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	16.73	16.02	(0.71)	TRUE	0.424	30	13	20%	20%	20%	50%	13	13	0
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	16.86	16.35	(0.51)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	0
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	29.52	22.17	(7.34)	TRUE	0.874	30	26	20%	20%	20%	50%	26	26	0
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	53.25	33.86	(19.39)	TRUE	1.600	31	50	20%	20%	20%	50%	50	50	0
									28.75	21.92	-24%											

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.657534247	0.15295018	1.208952988		0.07146011	0.00577	0.022411264
53.25	4.07671	31.69562	-	16.06869	-	0.28850	1.12056	33.86	10.19178	6.11801	-	16.14613	-	0.28850	1.12056
47.94	3.68219	28.52606	-	14.46182	-	0.25965	1.00851	30.51	9.20548	5.50621	-	14.53152	-	0.25965	1.00851
30.63	4.07671	17.11564	-	8.67709	-	0.15579	0.60510	22.98	10.19178	3.30372	-	8.71891	-	0.15579	0.60510
29.52	3.94521	16.48172	-	8.35572	-	0.15002	0.58269	22.17	9.86301	3.18136	-	8.39599	-	0.15002	0.58269
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.35	10.19178	1.59068	-	4.19799	-	0.07501	0.29135
16.73	3.94521	8.24086	-	4.17786	-	0.07501	0.29135	16.02	9.86301	1.59068	-	4.19799	-	0.07501	0.29135
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.35	10.19178	1.59068	-	4.19799	-	0.07501	0.29135
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.35	10.19178	1.59068	-	4.19799	-	0.07501	0.29135
16.73	3.94521	8.24086	-	4.17786	-	0.07501	0.29135	16.02	9.86301	1.59068	-	4.19799	-	0.07501	0.29135
16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	16.35	10.19178	1.59068	-	4.19799	-	0.07501	0.29135
29.52	3.94521	16.48172	-	8.35572	-	0.15002	0.58269	22.17	9.86301	3.18136	-	8.39599	-	0.15002	0.58269
53.25	4.07671	31.69562	-	16.06869	-	0.28850	1.12056	33.86	10.19178	6.11801	-	16.14613	-	0.28850	1.12056
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40365			
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				0.40172								0.40365			
				0.40172								0.40365			

2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Average

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill		Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
										Care Discount	Customer Charge						Care Discount	Customer Discount - Charge					
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	108.87	89.23	(19.64)	TRUE	1.600	31	50	20%	20%	20%	50%	92	50	42	
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	100.91	83.24	(17.67)	TRUE	1.600	28	45	20%	20%	20%	50%	85	45	40	
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	94.19	86.25	(7.94)	TRUE	0.874	31	27	20%	20%	20%	50%	75	27	48	
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	65.27	57.77	(7.50)	TRUE	0.874	30	26	20%	20%	20%	50%	53	26	27	
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	49.97	49.30	(0.66)	TRUE	0.424	31	13	20%	20%	20%	50%	38	13	25	
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	45.86	45.02	(0.84)	TRUE	0.424	30	13	20%	20%	20%	50%	35	13	22	
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	38.05	37.44	(0.61)	TRUE	0.424	31	13	20%	20%	20%	50%	29	13	16	
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	35.40	34.80	(0.60)	TRUE	0.424	31	13	20%	20%	20%	50%	27	13	14	
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	37.92	37.11	(0.81)	TRUE	0.424	30	13	20%	20%	20%	50%	29	13	16	
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	43.35	42.71	(0.63)	TRUE	0.424	31	13	20%	20%	20%	50%	33	13	20	
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	52.03	44.58	(7.44)	TRUE	0.874	30	26	20%	20%	20%	50%	43	26	17	
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	85.03	65.50	(19.53)	TRUE	1.600	31	50	20%	20%	20%	50%	74	50	24	

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.657534247	0.15295018	1.028952988		0.07146011	0.00577	0.022411264
108.87	4.07671	31.69562	40.93626	29.56639	-	0.53084	2.06184	89.23	10.19178	6.11801	40.62082	29.70888	-	0.53084	2.06184
100.91	3.68219	28.52606	38.98692	27.31677	-	0.49045	1.90496	83.24	9.20548	5.50621	38.68650	27.44842	-	0.49045	1.90496
94.19	4.07671	17.11564	46.78430	24.10304	-	0.43275	1.68084	86.25	10.19178	3.30372	46.42379	24.21919	-	0.43275	1.68084
65.27	3.94521	16.48172	26.31617	17.03281	-	0.30581	1.18780	57.77	9.86301	3.18136	26.11338	17.11490	-	0.30581	1.18780
49.97	4.07671	8.24086	24.36682	12.21220	-	0.21926	0.85163	49.30	10.19178	1.59068	24.17906	12.27106	-	0.21926	0.85163
45.86	3.94521	8.24086	21.44280	11.24808	-	0.20195	0.78439	45.02	9.86301	1.59068	21.27757	11.30229	-	0.20195	0.78439
38.05	4.07671	8.24086	15.59477	9.31984	-	0.16733	0.64993	37.44	10.19178	1.59068	15.47460	9.36475	-	0.16733	0.64993
35.40	4.07671	8.24086	13.64542	8.67709	-	0.15579	0.60510	34.80	10.19178	1.59068	13.54027	8.71891	-	0.15579	0.60510
37.92	3.94521	8.24086	15.59477	9.31984	-	0.16733	0.64993	37.11	9.86301	1.59068	15.47460	9.36475	-	0.16733	0.64993
43.35	4.07671	8.24086	19.49346	10.60534	-	0.19041	0.73957	42.71	10.19178	1.59068	19.34325	10.65645	-	0.19041	0.73957
52.03	3.94521	16.48172	16.56944	13.81907	-	0.24811	0.96368	44.58	9.86301	3.18136	16.44176	13.88567	-	0.24811	0.96368
85.03	4.07671	31.69562	23.39215	23.78166	-	0.42698	1.65843	65.50	10.19178	6.11801	23.21190	23.89627	-	0.42698	1.65843
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40365			
				0.40172								0.40365			
				0.40172								0.40365			
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				0.40172								0.40365			
				0.40172								0.40365			
				0.40172								0.40365			

SoCalGas Residential Bill Impact

Customer Charge \$ 5 \$ 20

 \$5 Cust \$20 Cust
 Charge, Charge,
 20% CARE 50% CARE
 Discount Discount

INPUT:

Customer Charge \$/day =	\$0.16438	\$0.65753
BL Rate \$/th =	\$0.79239	\$0.15295
NBL Rate \$/th =	\$1.21834	\$1.20895
PPPS Non-CARE \$/th =	\$0.07837	\$0.07146
G-SRF \$/th =	\$0.00577	\$0.00577
PPPS CARE \$/th =	\$0.02241	\$0.02241

	G-CP \$/th	G-CP \$/th :
1/1/2022	0.401717	0.403653
2/1/2022	0.401717	0.403653
3/1/2022	0.401717	0.403653
4/1/2022	0.401717	0.403653
5/1/2021	0.401717	0.403653
6/1/2021	0.401717	0.403653
7/1/2021	0.401717	0.403653
8/1/2021	0.401717	0.403653
9/1/2021	0.401717	0.403653
10/1/2021	0.401717	0.403653
11/1/2021	0.401717	0.403653
12/1/2021	0.401717	0.403653
	0.401717	0.403653

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**SOUTHERN CALIFORNIA GAS COMPANY
2024 TCAP**

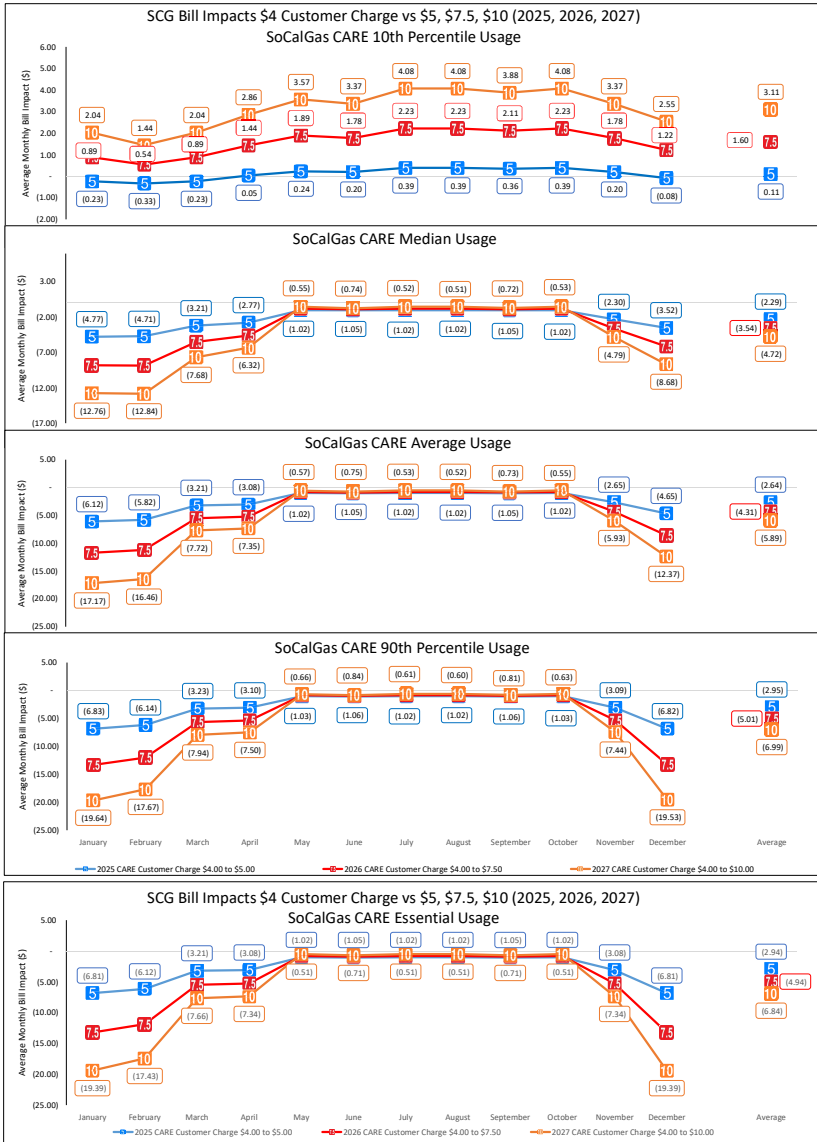
CARE Bill Impact Calculations

**Workpapers to the Prepared Written Testimony of
Michael Foster**

2024 TCAP
Bill Impact Calculations

TCAP CARE Bill Impact Graph Data

Usage	CARE Discount - Cust Charge						Current				Essential Bill							
	2025 CARE		2026 CARE		5	10	20%		50%		Usage	2027 CARE	Median use	Average use	CARE Customer Charge \$4.00 to \$4.00	CARE Customer Charge \$4.00 to \$4.00	CARE Customer Charge \$4.00 to \$4.00	
	10% use \$4.00 to \$5.00	10% use \$4.00 to \$7.50	Customer Charge \$4.00 to \$7.50	Customer Charge \$4.00 to \$5.00	Median use \$4.00 to \$5.00	Median use \$4.00 to \$7.50	Average use \$4.00 to \$5.00	Average use \$4.00 to \$7.50	Average use \$4.00 to \$5.00	Average use \$4.00 to \$7.50	10% use \$4.00 to \$10.00	Customer Charge \$4.00 to \$10.00	Median use \$4.00 to \$10.00	Average use \$4.00 to \$10.00				
January	(0.23)	0.89	(6.83)	(13.32)	(4.77)	(8.84)	(6.12)	(11.74)	2.04	(19.64)	(12.76)	(17.17)	2.04	(19.64)	(12.76)	(17.17)	2.04	(19.64)
February	(0.33)	0.54	(6.14)	(11.98)	(4.71)	(8.85)	(5.82)	(11.23)	1.44	(17.67)	(12.84)	(16.46)	1.44	(17.67)	(12.84)	(16.46)	1.44	(17.67)
March	(0.23)	0.89	(3.23)	(5.63)	(3.21)	(5.50)	(3.21)	(5.52)	2.04	(7.94)	(7.68)	(7.72)	2.04	(7.94)	(7.68)	(7.72)	2.04	(7.94)
April	0.05	1.44	(3.10)	(5.34)	(2.77)	(4.59)	(3.08)	(5.27)	2.86	(7.50)	(6.32)	(7.35)	2.86	(7.50)	(6.32)	(7.35)	2.86	(7.50)
May	0.24	1.89	(1.03)	(0.87)	(1.02)	(0.81)	(1.02)	(0.82)	3.57	(0.66)	(0.55)	(0.57)	3.57	(0.66)	(0.55)	(0.57)	3.57	(0.66)
June	0.20	1.78	(1.06)	(0.97)	(1.05)	(0.92)	(1.05)	(0.92)	3.37	(0.84)	(0.74)	(0.75)	3.37	(0.84)	(0.74)	(0.75)	3.37	(0.84)
July	0.39	2.23	(1.02)	(0.84)	(1.02)	(0.79)	(1.02)	(0.80)	4.08	(0.61)	(0.52)	(0.53)	4.08	(0.61)	(0.52)	(0.53)	4.08	(0.61)
August	0.39	2.23	(1.02)	(0.83)	(1.02)	(0.79)	(1.02)	(0.80)	4.08	(0.60)	(0.51)	(0.52)	4.08	(0.60)	(0.51)	(0.52)	4.08	(0.60)
September	0.36	2.11	(1.06)	(0.95)	(1.05)	(0.91)	(1.05)	(0.91)	3.88	(0.81)	(0.72)	(0.73)	3.88	(0.81)	(0.72)	(0.73)	3.88	(0.81)
October	0.39	2.23	(1.03)	(0.85)	(1.02)	(0.80)	(1.02)	(0.81)	4.08	(0.63)	(0.53)	(0.55)	4.08	(0.63)	(0.53)	(0.55)	4.08	(0.63)
November	0.20	1.78	(3.09)	(5.31)	(2.30)	(3.59)	(2.65)	(4.34)	3.37	(7.44)	(4.79)	(5.93)	3.37	(7.44)	(4.79)	(5.93)	3.37	(7.44)
December	(0.08)	1.22	(6.82)	(13.27)	(3.52)	(6.15)	(4.65)	(8.59)	2.55	(19.53)	(8.68)	(12.37)	2.55	(19.53)	(8.68)	(12.37)	2.55	(19.53)
Average	0.11	1.60	(2.95)	(5.01)	(2.29)	(3.54)	(2.64)	(4.31)	3.11	(6.99)	(4.72)	(5.89)	3.11	(6.99)	(4.72)	(5.89)	3.11	(6.99)



2024 TCAP
Bill Impact Calculations

CARE Bill Impacts Lowest 10 Percentile

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill			Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1 Care Discount	Bill 1 Care Discount - Customer Charge	Bill 2 Care Discount	Bill 2 Care Discount - Customer Charge	Monthly Therms	Baseline Usage	Non BL Usage
										\$20 Cust Charge	Delta	Care (T/F)										
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	11.94	11.71	(0.23)	TRUE	1.600	31	50	20%	20%	20%	50%	8	8	0
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	11.55	11.22	(0.33)	TRUE	1.600	28	45	20%	20%	20%	50%	8	8	0
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	11.94	11.71	(0.23)	TRUE	0.874	31	27	20%	20%	20%	50%	8	8	0
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	9.85	9.89	0.05	TRUE	0.874	30	26	20%	20%	20%	50%	6	6	0
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	8.99	9.23	0.24	TRUE	0.424	31	13	20%	20%	20%	50%	5	5	0
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	8.86	9.07	0.20	TRUE	0.424	30	13	20%	20%	20%	50%	5	5	0
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	8.01	8.40	0.39	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	8.01	8.40	0.39	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	7.88	8.24	0.36	TRUE	0.424	30	13	20%	20%	20%	50%	4	4	0
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	8.01	8.40	0.39	TRUE	0.424	31	13	20%	20%	20%	50%	4	4	0
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	8.86	9.07	0.20	TRUE	0.874	30	26	20%	20%	20%	50%	5	5	0
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	10.96	10.88	(0.08)	TRUE	1.600	31	50	20%	20%	20%	50%	7	7	0
									9.57		0.11											
											0.01											

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.328767123	0.59655553	1.217445211		0.075159379	0.00577	0.022411264
11.94	4.07671	5.07130	-	2.57099	-	0.04616	0.17929	11.71	5.09589	3.81796	-	2.57240	-	0.04616	0.17929
11.55	3.68219	5.07130	-	2.57099	-	0.04616	0.17929	11.22	4.60274	3.81796	-	2.57240	-	0.04616	0.17929
11.94	4.07671	5.07130	-	2.57099	-	0.04616	0.17929	11.71	5.09589	3.81796	-	2.57240	-	0.04616	0.17929
9.85	3.94521	3.80347	-	1.92824	-	0.03462	0.13447	9.89	4.93151	2.86347	-	1.92930	-	0.03462	0.13447
8.99	4.07671	3.16956	-	1.60687	-	0.02885	0.11206	9.23	5.09589	2.38622	-	1.60775	-	0.02885	0.11206
8.86	3.94521	3.16956	-	1.60687	-	0.02885	0.11206	9.07	4.93151	2.38622	-	1.60775	-	0.02885	0.11206
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	8.40	5.09589	1.90898	-	1.28620	-	0.02308	0.08965
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	8.40	5.09589	1.90898	-	1.28620	-	0.02308	0.08965
7.88	3.94521	2.53565	-	1.28550	-	0.02308	0.08965	8.24	4.93151	1.90898	-	1.28620	-	0.02308	0.08965
8.01	4.07671	2.53565	-	1.28550	-	0.02308	0.08965	8.40	5.09589	1.90898	-	1.28620	-	0.02308	0.08965
8.86	3.94521	3.16956	-	1.60687	-	0.02885	0.11206	9.07	4.93151	2.38622	-	1.60775	-	0.02885	0.11206
10.96	4.07671	4.43739	-	2.24962	-	0.04039	0.15688	10.88	5.09589	3.34071	-	2.25085	-	0.04039	0.15688
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40194			
				0.40172								0.40194			
				0.40172								0.40194			
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				0.40172								0.40194			
				0.40172								0.40194			

2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Median

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill \$10 Cust Charge	Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage
																Care Discount	Customer Charge	Care Discount	Customer Charge		
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	40.47	35.69	(4.77)	TRUE	1.600	31	50	20%	20%	20%	50%	37	37
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	39.09	34.37	(4.71)	TRUE	1.600	28	45	20%	20%	20%	50%	36	36
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	37.25	34.04	(3.21)	TRUE	0.874	31	27	20%	20%	20%	50%	32	27
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	27.55	24.78	(2.77)	TRUE	0.874	30	26	20%	20%	20%	50%	24	24
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	24.81	23.79	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	19	13
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	22.03	20.98	(1.05)	TRUE	0.424	30	13	20%	20%	20%	50%	17	13
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	18.19	17.17	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	14	13
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	16.86	15.85	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	18.05	17.01	(1.05)	TRUE	0.424	30	13	20%	20%	20%	50%	14	13
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	20.83	19.82	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	16	13
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	24.60	22.30	(2.30)	TRUE	0.874	30	26	20%	20%	20%	50%	21	21
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	32.60	29.08	(3.52)	TRUE	1.600	31	50	20%	20%	20%	50%	29	29

2024 TCAP
 Bill Impact Calculations

Non BL Usage	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
0	40.47	0.164383562	0.79239056	1.218341131	11.89083	0.078365633	0.00577	0.022411264	35.69	0.328767123	0.59655553	1.217445211	11.89734	0.075159379	0.00577	0.022411264
0	39.09	3.68219	22.82085	-	11.56946	-	0.21349	0.82922	34.37	4.60274	17.18080	-	11.57579	-	0.21349	0.82922
5	37.25	4.07671	17.11564	4.87336	10.28396	-	0.18464	0.71716	34.04	5.09589	12.88560	4.86978	10.28959	-	0.18464	0.71716
0	27.55	3.94521	15.21390	-	7.71297	-	0.13848	0.53787	24.78	4.93151	11.45387	-	7.71719	-	0.13848	0.53787
6	24.81	4.07671	8.24086	5.84804	6.10610	-	0.10963	0.42581	23.79	5.09589	6.20418	5.84374	6.10944	-	0.10963	0.42581
4	22.03	3.94521	8.24086	3.89869	5.46335	-	0.09809	0.38099	20.98	4.93151	6.20418	3.89582	5.46634	-	0.09809	0.38099
1	18.19	4.07671	8.24086	0.97467	4.49923	-	0.08078	0.31376	17.17	5.09589	6.20418	0.97396	4.50170	-	0.08078	0.31376
0	16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	15.85	5.09589	6.20418	-	4.18015	-	0.07501	0.29135
1	18.05	3.94521	8.24086	0.97467	4.49923	-	0.08078	0.31376	17.01	4.93151	6.20418	0.97396	4.50170	-	0.08078	0.31376
3	20.83	4.07671	8.24086	2.92402	5.14198	-	0.09232	0.35858	19.82	5.09589	6.20418	2.92187	5.14479	-	0.09232	0.35858
0	24.60	3.94521	13.31216	-	6.74885	-	0.12117	0.47064	22.30	4.93151	10.02213	-	6.75254	-	0.12117	0.47064
0	32.60	4.07671	18.38346	-	9.31984	-	0.16733	0.64993	29.08	5.09589	13.84009	-	9.32494	-	0.16733	0.64993
					G-CP \$/th =								G-CP \$/th =			
					0.40172								0.40194			
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					0.40172								0.40194			

2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Median

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill \$10 Cust Charge	Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Care Discount	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage
																	Customer Charge	Care Discount	Customer Charge	Customer Discount		
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	53.25	46.44	(6.81)	TRUE	1.600	31	50	20%	20%	20%	50%	50	50	
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	47.94	41.82	(6.12)	TRUE	1.600	28	45	20%	20%	20%	50%	45	45	
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	30.63	27.42	(3.21)	TRUE	0.874	31	27	20%	20%	20%	50%	27	27	
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	29.52	26.43	(3.08)	TRUE	0.874	30	26	20%	20%	20%	50%	26	26	
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	16.86	15.85	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	16.73	15.68	(1.05)	TRUE	0.424	30	13	20%	20%	20%	50%	13	13	
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	16.86	15.85	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	16.86	15.85	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	16.73	15.68	(1.05)	TRUE	0.424	30	13	20%	20%	20%	50%	13	13	
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	16.86	15.85	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	13	13	
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	29.52	26.43	(3.08)	TRUE	0.874	30	26	20%	20%	20%	50%	26	26	
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	53.25	46.44	(6.81)	TRUE	1.600	31	50	20%	20%	20%	50%	50	50	
									28.75	25.81	-10%											

2024 TCAP
 Bill Impact Calculations

Non BL Usage	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
0	53.25	4.07671	31.69562	1.218341131	16.06869	0.078365633	0.00577	0.022411264	46.44	5.09589	23.86222	-	16.07748	0.075159379	0.00577	0.022411264
0	47.94	3.68219	28.52606	-	14.46182	-	0.28850	1.12056	41.82	4.60274	21.47600	-	14.46973	-	0.28850	1.12056
0	30.63	4.07671	17.11564	-	8.67709	-	0.15579	0.60510	27.42	5.09589	12.88560	-	8.68184	-	0.15579	0.60510
0	29.52	3.94521	16.48172	-	8.35572	-	0.15002	0.58269	26.43	4.93151	12.40836	-	8.36029	-	0.15002	0.58269
0	16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	15.85	5.09589	6.20418	-	4.18015	-	0.07501	0.29135
0	16.73	3.94521	8.24086	-	4.17786	-	0.07501	0.29135	15.68	4.93151	6.20418	-	4.18015	-	0.07501	0.29135
0	16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	15.85	5.09589	6.20418	-	4.18015	-	0.07501	0.29135
0	16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	15.85	5.09589	6.20418	-	4.18015	-	0.07501	0.29135
0	16.73	3.94521	8.24086	-	4.17786	-	0.07501	0.29135	15.68	4.93151	6.20418	-	4.18015	-	0.07501	0.29135
0	16.86	4.07671	8.24086	-	4.17786	-	0.07501	0.29135	15.85	5.09589	6.20418	-	4.18015	-	0.07501	0.29135
0	29.52	3.94521	16.48172	-	8.35572	-	0.15002	0.58269	26.43	4.93151	12.40836	-	8.36029	-	0.15002	0.58269
0	53.25	4.07671	31.69562	-	16.06869	-	0.28850	1.12056	46.44	5.09589	23.86222	-	16.07748	-	0.28850	1.12056
					G-CP \$/th =								G-CP \$/th =			
					0.40172								0.40194			
					0.40172								0.40194			
					0.40172								0.40194			
					0.40172								0.40194			
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					0.40172								0.40194			
					0.40172								0.40194			
					0.40172								0.40194			

2024 TCAP
Bill Impact Calculations

CARE Bill Impacts Average

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill		Delta	Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
										Care Discount	Customer Charge						Care Discount	Customer Charge					
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	48.97	42.85	(6.12)	TRUE	1.600	31	50	20%	20%	20%	50%	46	46	0	
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	46.07	40.25	(5.82)	TRUE	1.600	28	45	20%	20%	20%	50%	43	43	0	
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	45.67	42.45	(3.21)	TRUE	0.874	31	27	20%	20%	20%	50%	38	27	11	
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	32.33	29.24	(3.08)	TRUE	0.874	30	26	20%	20%	20%	50%	28	26	2	
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	28.03	27.01	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	21	13	8	
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	25.21	24.16	(1.05)	TRUE	0.424	30	13	20%	20%	20%	50%	19	13	6	
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	21.09	20.07	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	16	13	3	
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	19.03	18.01	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	15	13	2	
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	20.53	19.48	(1.05)	TRUE	0.424	30	13	20%	20%	20%	50%	16	13	3	
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	24.10	23.08	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	18	13	5	
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	26.80	24.15	(2.65)	TRUE	0.874	30	26	20%	20%	20%	50%	23	23	0	
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	39.73	35.08	(4.65)	TRUE	1.600	31	50	20%	20%	20%	50%	36	36	0	

2024 TCAP
Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.79239056	1.218341131		0.078365633	0.00577	0.022411264		0.328767123	0.59655553	1.217445211		0.075159379	0.00577	0.022411264
48.97	4.07671	28.93874	-	14.67104	-	0.26341	1.02310	42.85	5.09589	21.78669	-	14.67906	-	0.26341	1.02310
46.07	3.68219	27.32251	-	13.85166	-	0.24870	0.96596	40.25	4.60274	20.56990	-	13.85924	-	0.24870	0.96596
45.67	4.07671	17.11564	11.06761	12.32636	-	0.22131	0.85959	42.45	5.09589	12.88560	11.05947	12.33310	-	0.22131	0.85959
32.33	3.94521	16.48172	2.06884	9.03787	-	0.16227	0.63026	29.24	4.93151	12.40836	2.06732	9.04281	-	0.16227	0.63026
28.03	4.07671	8.24086	8.22234	6.88897	-	0.12369	0.48041	27.01	5.09589	6.20418	8.21629	6.89274	-	0.12369	0.48041
25.21	3.94521	8.24086	6.24249	6.23616	-	0.11197	0.43488	24.16	4.93151	6.20418	6.23790	6.23957	-	0.11197	0.43488
21.09	4.07671	8.24086	3.10852	5.20282	-	0.09341	0.36282	20.07	5.09589	6.20418	3.10624	5.20566	-	0.09341	0.36282
19.03	4.07671	8.24086	1.59379	4.70337	-	0.08445	0.32799	18.01	5.09589	6.20418	1.59261	4.70594	-	0.08445	0.32799
20.53	3.94521	8.24086	2.79468	5.09933	-	0.09155	0.35561	19.48	4.93151	6.20418	2.79262	5.10212	-	0.09155	0.35561
24.10	4.07671	8.24086	5.32522	5.93372	-	0.10653	0.41379	23.08	5.09589	6.20418	5.32131	5.93696	-	0.10653	0.41379
26.80	3.94521	14.72927	-	7.46728	-	0.13407	0.52074	24.15	4.93151	11.08901	-	7.47137	-	0.13407	0.52074
39.73	4.07671	22.98135	-	11.65083	-	0.20918	0.81248	35.08	5.09589	17.30164	-	11.65720	-	0.20918	0.81248
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40194			
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2024 TCAP
 Bill Impact Calculations

CARE Bill Impacts Average

CARE	revmo	Customers	Average Therms	Avg Baseline Therms	Avg Non Baseline Therms	High (90th Percentile) Therms	Median Therms	Low (10th Percentile) Therms	Total Bill Status Quo	Total Bill		Care (T/F)	Daily BL Limit	Days/ Month	Monthly BL Limit	Bill 1	Bill 1	Bill 2	Bill 2	Monthly Therms	Baseline Usage	Non BL Usage
										Care Discount	Customer Charge					Care Discount	Customer Charge					
Yes	1	1,750,275	45.651	35.2958	10.3552	92	37	8	108.87	102.04	(6.83)	TRUE	1.600	31	50	20%	20%	20%	50%	92	50	42
Yes	2	1,762,765	43.1014	34.2245	8.8768	85	36	8	100.91	94.76	(6.14)	TRUE	1.600	28	45	20%	20%	20%	50%	85	45	40
Yes	3	1,770,705	38.3552	31.8584	6.4969	75	32	8	94.19	90.96	(3.23)	TRUE	0.874	31	27	20%	20%	20%	50%	75	27	48
Yes	4	1,782,822	28.1226	25.7923	2.3303	53	24	6	65.27	62.17	(3.10)	TRUE	0.874	30	26	20%	20%	20%	50%	53	26	27
Yes	5	1,800,018	21.436	17.9495	3.4865	38	19	5	49.97	48.94	(1.03)	TRUE	0.424	31	13	20%	20%	20%	50%	38	13	25
Yes	6	1,803,972	19.4047	11.025	8.3798	35	17	5	45.86	44.80	(1.06)	TRUE	0.424	30	13	20%	20%	20%	50%	35	13	22
Yes	7	1,813,785	16.1893	10.3294	5.8599	29	14	4	38.05	37.03	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	29	13	16
Yes	8	1,821,982	14.6352	9.5561	5.0791	27	13	4	35.40	34.38	(1.02)	TRUE	0.424	31	13	20%	20%	20%	50%	27	13	14
Yes	9	1,830,888	15.8673	10.2626	5.6046	29	14	4	37.92	36.86	(1.06)	TRUE	0.424	30	13	20%	20%	20%	50%	29	13	16
Yes	10	1,824,865	18.4636	10.8347	7.6314	33	16	4	43.35	42.32	(1.03)	TRUE	0.424	31	13	20%	20%	20%	50%	33	13	20
Yes	11	1,804,430	23.2355	15.6067	7.6293	43	21	5	52.03	48.94	(3.09)	TRUE	0.874	30	26	20%	20%	20%	50%	43	26	17
Yes	12	1,791,172	36.2532	27.2925	8.9587	74	29	7	85.03	78.21	(6.82)	TRUE	1.600	31	50	20%	20%	20%	50%	74	50	24

2024 TCAP
 Bill Impact Calculations

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	GPC Total \$	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
108.87	0.164383562	0.79239056	1.218341131	29.56639	0.078365633	0.00577	0.022411264	102.04	0.328767123	0.59655553	1.217445211	29.58257	0.075159379	0.00577	0.022411264
100.91	4.07671	31.69562	40.93626	27.31677	-	0.53084	2.06184	94.76	4.60274	21.47600	38.95825	27.33172	-	0.53084	2.06184
94.19	4.07671	17.11564	46.78430	24.10304	-	0.43275	1.68084	90.96	5.09589	12.88560	46.74990	24.11622	-	0.43275	1.68084
65.27	3.94521	16.48172	26.31617	17.03281	-	0.30581	1.18780	62.17	4.93151	12.40836	26.29682	17.04213	-	0.30581	1.18780
49.97	4.07671	8.24086	24.36682	12.21220	-	0.21926	0.85163	48.94	5.09589	6.20418	24.34890	12.21889	-	0.21926	0.85163
45.86	3.94521	8.24086	21.44280	11.24808	-	0.20195	0.78439	44.80	4.93151	6.20418	21.42704	11.25424	-	0.20195	0.78439
38.05	4.07671	8.24086	15.59477	9.31984	-	0.16733	0.64993	37.03	5.09589	6.20418	15.58330	9.32494	-	0.16733	0.64993
35.40	4.07671	8.24086	13.64542	8.67709	-	0.15579	0.60510	34.38	5.09589	6.20418	13.63539	8.68184	-	0.15579	0.60510
37.92	3.94521	8.24086	15.59477	9.31984	-	0.16733	0.64993	36.86	4.93151	6.20418	15.58330	9.32494	-	0.16733	0.64993
43.35	4.07671	8.24086	19.49346	10.60534	-	0.19041	0.73957	42.32	5.09589	6.20418	19.47912	10.61114	-	0.19041	0.73957
52.03	3.94521	16.48172	16.56944	13.81907	-	0.24811	0.96368	48.94	4.93151	12.40836	16.55725	13.82663	-	0.24811	0.96368
85.03	4.07671	31.69562	23.39215	23.78166	-	0.42698	1.65843	78.21	5.09589	23.86222	23.37495	23.79467	-	0.42698	1.65843
				G-CP \$/th =								G-CP \$/th =			
				0.40172								0.40194			
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SoCalGas Residential Bill Impact

Customer Charge \$ 5 \$ 10

\$10 Cust
Charge, 50%
CARE

\$5 Cust Charge, Discount on
20% CARE Customer
Discount Charge

INPUT:

Customer Charge \$/day =	\$0.16438	\$0.32877
BL Rate \$/th =	\$0.79239	\$0.59656
NBL Rate \$/th =	\$1.21834	\$1.21745
PPPS Non-CARE \$/th =	\$0.07837	\$0.07516
G-SRF \$/th =	\$0.00577	\$0.00577
PPPS CARE \$/th =	\$0.02241	\$0.02241

	G-CP \$/th	G-CP \$/th =
1/1/2022	0.401717	0.401937
2/1/2022	0.401717	0.401937
3/1/2022	0.401717	0.401937
4/1/2022	0.401717	0.401937
5/1/2021	0.401717	0.401937
6/1/2021	0.401717	0.401937
7/1/2021	0.401717	0.401937
8/1/2021	0.401717	0.401937
9/1/2021	0.401717	0.401937
10/1/2021	0.401717	0.401937
11/1/2021	0.401717	0.401937
12/1/2021	0.401717	0.401937
	0.401717	0.401937

**SAN DIEGO GAS & ELECTRIC
2020 TCAP**

**Section 3
Submeter Credit Model**

**Workpapers to the Prepared Written Testimony of
Michael Foster**

Submetering Avoided Cost Credit -GT

>> For mobile home parks supplied through one meter and submetered to all individual units (Schedule GT).
 >> Due to Use of Subunit, Traditional Meter Capital and O&M Expenses Are Avoided. However, Savings Offset By Incurred Master Meter Capital and O&M Expenses.
 >> Master Meter Capital and O&M Expenses are Quantified on a Per Subunit Basis.
 >> Net Submetering Avoided Cost Credit = (Traditional Meter Capital and O&M) - (Master Meter Capital and O&M + Average No. of Subunits Per Master Meter)
 >> Adopted Proposal = Western Mobilehome Parkowners Association. From Exhibit No. 186, As Filed w/Scaling.

**SDG&E GT Submeter Discount
 2024 TCAP Illustrative Rates**

	Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per GT Master Meter (\$/cst/yr.)	Source
Plant Costs			
1 Service/Regulation/Meter	\$202.44	\$202.41	1 SDGE LPMC Customer Cost
2 Distribution Main (High Pressure)	\$47.79	\$47.79	2 SDGE LPMC Distribution
3 Net Annual Cost/Space	\$250.23	\$250.19	3 SDGE LPMC Customer Cost
Customer Expenses			
4 O&M	\$43.32	\$54.81	4 SDGE LPMC Customer Cost
5 O&M Loaders	\$23.38	\$29.58	5 SDGE LPMC Customer Cost
6 Net Customer Expenses	\$66.70	\$84.39	6 SDGE LPMC Customer Cost
7 Subtotal - Annual Costs	\$316.94	\$334.58	7
8 x EPAM Scaling Factor	98.65%	98.65%	8 SDGE Cost Allocation
9 = Avoided / Incurred Cost / Yr	\$312.65	\$330.05	9
10 + Number Months / Year	12	12	10
11 = Avoided / Incurred Cost / Mo	\$26.05	\$27.50	11
12 + Avg No. of Subunits Per Master Meter Account	1	116	12 Recorded 2021
13 = Incurred Cost Per Living Unit for Master Meter		\$0.24	13
14 Net Avoided Cost / Month	\$25.81		14 << Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
15 - SDG&E Monthly Cust Charge	\$0.00		15
16 Submeter Credit / Month	\$25.81		16
17 x Number Months / Year	12		17
18 Submeter Credit / Year	\$309.72		18
19 + Number Days / Year	365		19
20 = Submeter Credit / Day	\$0.84855		20
21			21
1 Net Avoided Cost / Month	\$25.81		1 << Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
2 - SDG&E Monthly Cust/Min Charge	\$0.00		2
3 Submeter Credit / Month	\$25.81		3
4 x Number Months / Year	12		4
5 Submeter Credit / Year	\$309.72		5
6 + Number Days / Year	365		6
7 = Submeter Credit / Day	\$0.84855		7

Submetering Avoided Cost Credit - GS

>> For multi-family dwelling units supplied through one meter and submetered to all individual units (Schedule GS).
 >> Due to Use of Subunit, Traditional Meter Capital and O&M Expenses Are Avoided. However, Savings Offset By Incurred Master Meter Capital and O&M Expenses.
 >> Master Meter Capital and O&M Expenses are Quantified on a Per Subunit Basis.
 >> Net Submetering Avoided Cost Credit = (Traditional Meter Capital and O&M) - (Master Meter Capital and O&M + Average No. of Subunits Per Master Meter)
 >> Adopted Proposal = Western Mobilehome Parkowners Association. From Exhibit No. 186, As Filed w/Scaling.

**SDG&E GS Submeter Discount
 2024 TCAP Phase Illustrative Rates**

	Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per GS Master Meter (\$/cst/yr.)	Source
Plant Costs			
1 Service/Regulation/Meter	\$202.44	\$202.41	1 SDGE LRM Customer Cost
2 Distribution Main (High Pressure)	\$47.79	\$47.79	2 SDGE LRM Distribution
3 Net Annual Cost/Space	\$250.23	\$250.19	3 SDGE LRM Customer Cost
Customer Expenses			
4 O&M	\$43.32	\$54.81	4 SDGE LRM Customer Cost
5 O&M Loaders	\$23.38	\$29.58	5 SDGE LRM Customer Cost
6 Net Customer Expenses	\$66.70	\$84.39	6 SDGE LRM Customer Cost
7 Subtotal - Annual Costs	\$316.94	\$334.58	7
8 x EPAM Scaling Factor	98.65%	98.65%	8 SDGE Cost Allocation
9 = Avoided / Incurred Cost / Yr	\$312.65	\$330.05	9
10 + Number Months / Year	12	12	10
11 = Avoided / Incurred Cost / Mo	\$26.05	\$27.50	11
12 + Avg No. of Subunits Per Master Meter Account	1	26	12 Recorded 2021
13 = Incurred Cost Per Living Unit for Master Meter		\$1.05	13
14 Net Avoided Cost / Month	\$25.00		14 << Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
15 - SDG&E Monthly Cust Charge	\$0.00		15
16 Submeter Credit / Month	\$25.00		16
17 x Number Months / Year	12		17
18 Submeter Credit / Year	\$300.00		18
19 + Number Days / Year	365		19
20 = Submeter Credit / Day	\$0.82192		20
21 Net Avoided Cost / Month	\$25.00		21
22 - SDG&E Monthly Cust Charge	\$0.00		22
23 Submeter Credit / Month	\$25.00		23
24 x Number Months / Year	12		24
25 Submeter Credit / Year	\$300.00		25
26 + Number Days / Year	365		26
27 = Submeter Credit / Day	\$0.82192		27
28 Net Avoided Cost / Month	\$25.00		28
29 - SDG&E Monthly Cust Charge	\$0.00		29
30 Submeter Credit / Month	\$25.00		30
31 x Number Months / Year	12		31
32 Submeter Credit / Year	\$300.00		32
33 + Number Days / Year	365		33
34 = Submeter Credit / Day	\$0.82192		34