

Application of SOUTHERN CALIFORNIA GAS
COMPANY(U904-G)/ SAN DIEGO GAS &)
ELECTRIC COMPANY (U 902-M) for authority to)
update its gas and electric revenue requirement and)
base rates effective January 1, 2028)

Application No.: A.26-06-XXX Exhibit
No.: (SCG-20/SDGE-24-WP)

WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF EDUARDO MARTINEZ
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY
AND
SAN DIEGO GAS & ELECTRIC COMPANY
BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

JUNE 2026



SoCal Gas Escalation Factors: Utility Cost Indexes, set to 2025=1.0000; for 2028 GRC Application filing

Data based on S&P Global 4th Quarter 2025 utility cost forecast, released January 2026

Shared Services and nonlabor O&M weightings are from "GRC_USS_NSS by FERC 2025 for Esc Weights 02-19-26.xlsx"

Includes actual union contract escalations of 3.5% per year in 2009, 2010, and 2011; and actual contract escalations for 2.75% 2012, 2.75% 2013, 2.5% 2014, 2.5% 2015, 2.75% 2016, 2.75% 2017, 3.0% 2018, 3.25% 2019, 3.0% each 2020-2021-2022-2023, 3.25% 2024, 2025, 5.25% 2026, 4.75% 2027, 4.5% 2028

Series Name	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
SoCalGas Escalators											
<u>Shared Services</u>											
SHSVC_SD	0.8567	0.9021	0.9371	0.9671	1.0000	1.0297	1.0581	1.0861	1.1120	1.1396	1.1683
<u>Operations & Maintenance</u>											
Labor O&M Index	0.8605	0.8925	0.9259	0.9583	1.0000	1.0411	1.0815	1.1215	1.1551	1.1889	1.2230
Gas Nonlabor O&M Index	0.8272	0.9267	0.9522	0.9728	1.0000	1.0233	1.0416	1.0579	1.0762	1.0987	1.1249
Post-Test-Year GOMPI	0.8451	0.9084	0.9381	0.9650	1.0000	1.0328	1.0629	1.0920	1.1184	1.1470	1.1774
<u>Capital-Related</u>											
Total Gas Plant	0.7039	0.8184	0.9467	0.9579	1.0000	1.0028	0.9992	1.0061	1.0237	1.0419	1.0618
Components from S&P Global											
<u>Labor O&M</u>											
Util Svc Wkrs (with SoCalGas union %'s from 2009 through 2024)	0.8653	0.8913	0.9180	0.9479	1.0000	1.0525	1.1025	1.1521	1.1876	1.2226	1.2567
Managers and Administrators	0.8696	0.9045	0.9380	0.9702	1.0000	1.0328	1.0664	1.1002	1.1342	1.1688	1.2041
Professional and Technical	0.8469	0.8851	0.9276	0.9637	1.0000	1.0315	1.0638	1.0951	1.1256	1.1573	1.1904
<u>Nonlabor O&M gas</u>											
Underground Storage											
Gas Transmission											
Gas Distribution											
Customer Accounts											
Customer Svc & Info											
Admin & General except Account 926 (926 had a 0.085 weighting in JGADGOMMS)											
Admin & General											
Admin & General: FERC Account 926											
<u>Utility Plant Construction Cost Indexes, Pacific Region</u>											
Total Gas Plant											

SoCalGas Escalation Component Weightings (from actual 2025 O&M expenses)

GOMPI Weights with Labor	<i>SoCalGas Non-Shared Services: Non-Labor O&M</i>				Global Insight-based Series Name
	Weighting	\$	FERC Accts	Description	
53.51%		\$544,003,915		<u>Labor</u>	
				<u>Non-Labor</u>	
	7.09%	\$31,824,904	814-837	Underground Storage	JGUSOMMS
	34.77%	\$156,037,386	850-867	Gas Transmission	JGTOMMS
	28.28%	\$126,914,432	870-894	Gas Distribution	JGDOMMS
	8.00%	\$35,889,100	901-905	Gas Customer Accounts	JGCAOMS
	2.01%	\$9,035,852	907-910	Gas Customer Svc & Info	JGCSIOMS
	<u>19.85%</u>	<u>\$89,085,936</u>	920-935 x926	Gas Admin & General except 926	JGADGOMMS_X926
46.49%	100.00%	\$448,787,611		Non-Labor TOTAL	

<i>SoCalGas Shared Services O&M</i>					Global Insight-based Series Name
Weighting	\$	FERC Accts	Description		
45.48%	\$43,954,574		Labor		---
			<u>Non-Labor</u>		
	1.04%	\$1,006,839	814-837	Underground Storage	JGUSOMMS
	3.76%	\$3,630,663	850-867	Gas Transmission	JGTOMMS
	3.47%	\$3,355,368	870-894	Gas Distribution	JGDOMMS
	1.32%	\$1,277,114	901-905	Gas Customer Accounts	JGCAOMS
	0.00%	\$2,154	907-910	Gas Customer Svc & Info	JGCSIOMS
	44.93%	\$43,421,844	920-935 x926	Gas Admin & General except 926	JGADGOMMS_X926
100.00%	\$96,648,557		TOTAL		

Source: file "GRC_USS_NSS by FERC 2025 for Esc Weights 02-17-22.xlsx"; from GRC and Revenue Requirements Dept.

SoCalGas and SDG&E Escalation and Gas Customer Forecast
Test Year 2028 General Rate Case

SoCalGas 2025 Earnings: By Job Function

	Hol/Vac	Incentive	Other	Overtime	Premium	Regular	Sick	Total
SoCalGas								
Associate	\$390,784.56	\$420,709.56	\$149,145.60	\$23,583.35	\$0.00	\$3,609,918.90	\$116,744.83	\$4,710,886.80
Executive	\$487,001.52	\$7,939,143.80	\$36,314,743.22			\$7,386,425.42	\$0.00	\$52,127,313.96
Management	\$41,773,728.53	\$61,572,658.29	\$11,968,148.27	\$2,611,515.15	\$6,453.60	\$261,562,245.04	\$8,525,730.67	\$388,020,479.55
Management Supervisor	\$24,930,220.79	\$43,998,343.84	\$12,335,470.38	\$5,334,324.38	\$1,741.06	\$156,646,845.39	\$3,756,250.21	\$247,003,196.05
Union	\$61,072,858.09	\$300,398.15	\$8,826,576.09	\$75,359,035.43	\$6,231,096.31	\$376,121,305.23	\$19,963,864.72	\$547,875,134.02
	\$128,654,593.49	\$114,231,253.64	\$69,594,083.56	\$83,328,458.31	\$6,239,290.97	\$805,326,739.98	\$32,362,590.43	\$1,239,737,010.38

<u>Area</u>	<u>Category</u>	<u>GI Description</u>	<u>Global Insight</u>	<u>SoCalGas \$</u>	<u>SoCalGas Weights</u>
Union	Union	(Utility Svc Wkrs)	CEU4422000008	\$547,875,134	44.193%
Supervisory	Exec & MgmtSup	(Mgrs & Adminstrtrs)	ECIPWMBFNS	\$299,130,510	24.129%
NonUnion NonSup	Mgmt & Associate	(Profssnl & Techncl)	ECIPWPARNs	\$392,731,366	31.679%

Source: Sempra Compensation & Payroll Services Dept. (2025 earnings by job function)

SDG&E Escalation Factors: Utility Cost Indexes, set to 2025=1.0000; for 2028 GRC Application filing

Data based on S&P Global 4th Quarter 2025 utility cost forecast, released January 2026

Shared Services and nonlabor O&M weightings are from "GRC_USS_NSS by FERC 2025 for Esc Weights 02-19-26.xlsx"

Includes actual union contract escalations of 3.5% per year in 2009, 2010, and 2011; and actual contract escalations 2.25% 2012, 2.5% 2013, 2.5% 2014, 2.5% 2015, 3.0% 2016, 3.0% 2017, 3.25% 2018, 3.25% 2019, 3.25% 2020, 3.75% 2021, 3.75% 2022, 4.7% 2023, 3.8% 2024, 4.0% 2025, 3.0% 2026

Series Name	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
SDG&E Escalators												
Shared Services												
SHSVC_SD	0.8532	0.8993	0.9394	0.9712	1.0000	1.0239	1.0466	1.0690	1.0925	1.1179	1.1446	
Operations & Maintenance												
Labor O&M Index	LABOR	0.8534	0.8895	0.9287	0.9640	1.0000	1.0347	1.0682	1.1008	1.1329	1.1654	1.1992
Electric Nonlabor O&M Index	JETOTALMSX_SD	0.7972	0.9084	0.9527	0.9703	1.0000	1.0184	1.0300	1.0435	1.0590	1.0782	1.0991
Gas Nonlabor O&M Index	JGTOTALMSX_SD	0.8266	0.9243	0.9519	0.9728	1.0000	1.0232	1.0412	1.0574	1.0757	1.0981	1.1240
Post-Test-Year GEOMPI	(calculated)	0.8289	0.9003	0.9403	0.9673	1.0000	1.0272	1.0506	1.0742	1.0985	1.1248	1.1528
Capital-Related												
Steam Production Plant	JUEPPF@PCF	0.7981	0.8791	0.9291	0.9784	1.0000	1.0235	1.0342	1.0425	1.0468	1.0540	1.0698
Other Production Plant	JUEPPO@PCF	0.6633	0.7544	0.8600	0.9351	1.0000	1.0517	1.0962	1.1316	1.1467	1.1488	1.1478
Electric Distribution Plant	JUEPD@PCF	0.6333	0.7277	0.8727	0.9648	1.0000	1.0419	1.0760	1.0996	1.1188	1.1399	1.1636
Electric Plant	(calculated)	0.6415	0.7351	0.8754	0.9654	1.0000	1.0410	1.0741	1.0969	1.1153	1.1357	1.1590
Total Gas Plant	JUG@PCF	0.7039	0.8184	0.9467	0.9579	1.0000	1.0028	0.9992	1.0061	1.0237	1.0419	1.0618
Combined Cyle Plant	(calculated)	0.7655	0.8490	0.9124	0.9679	1.0000	1.0303	1.0492	1.0640	1.0709	1.0769	1.0887
Common Plant	(calculated)	0.6680	0.7677	0.9008	0.9640	1.0000	1.0296	1.0490	1.0650	1.0818	1.1004	1.1212

Components from Global Insight

Labor O&M

Util Svc Wkrs (with SDG&E union %'s from 2009 through 2022)	CEU4422000008 (adjusted)	0.8479	0.8826	0.9223	0.9592	1.0000	1.0400	1.0748	1.1079	1.1406	1.1724	1.2056
Mgrs & Adminstrtrs	ECIPWMBFNS	0.8696	0.9045	0.9380	0.9702	1.0000	1.0328	1.0664	1.1002	1.1342	1.1688	1.2041
Profssnl & Techncl	ECIPWPARNs	0.8469	0.8851	0.9276	0.9637	1.0000	1.0315	1.0638	1.0951	1.1256	1.1573	1.1904

Nonlabor O&M elec

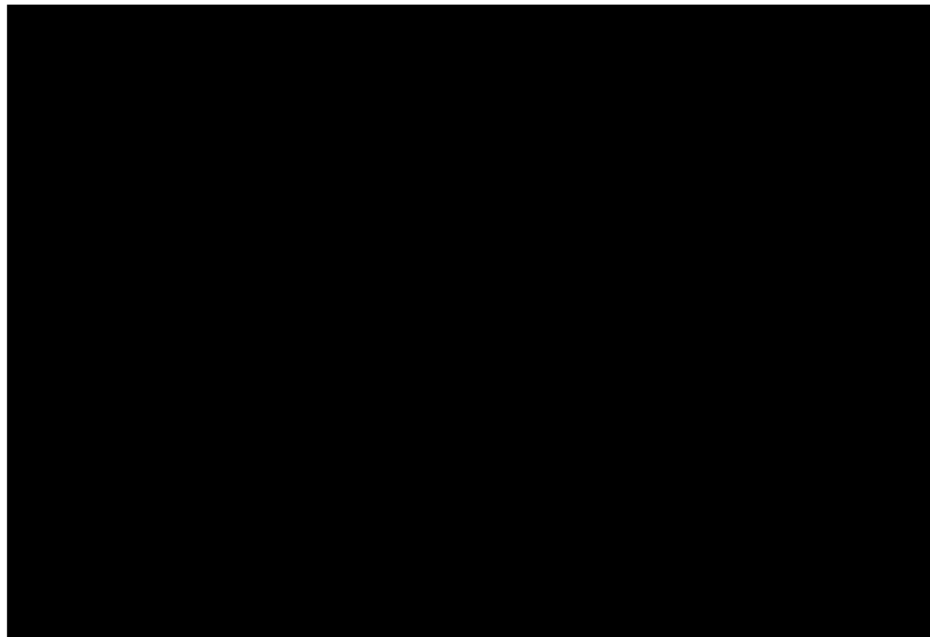
Steam Elec Production	JEFOMMS											
Other Elec Production	JEOOMMS											
Elec Distribution	JEDOMMS											
Customer Accounts	JECAOMS											
Customer Svc & Info	JECSIOMS											
Admin & General except Account 926 (926 had a 0.397 weighting in JEADGOMMS)	JEADGOMMS_X926											
Admin & General	JEADGOMMS											
Admin & General: FERC Account 926	JE[G]ADG926MS											

Nonlabor O&M gas

Gas Transmission	JGTOMMS											
Gas Distribution	JGDOMMS											
Customer Accounts	JGCAOMS											
Customer Svc & Info	JGCSIOMS											
Admin & General except Account 926 (926 had a 0.085 weighting in JGADGOMMS)	JGADGOMMS_X926											
Admin & General	JGADGOMMS											
Admin & General: FERC Account 926	JE[G]ADG926MS											

Utility Plant Construction Cost Indexes, Pacific Region

Steam Production Plant	JUEPPF@PCF											
Other Production Plant	JUEPPO@PCF											
Electric Transmission Plant	JUEPT@PCF											
Electric Distribution Plant	JUEPD@PCF											
Total Gas Plant	JUG@PCF											



SDG&E Escalation Component Weightings (from actual 2025 O&M expenses)

GEOMPI Weights with Labor	<i>SDG&E Non-Shared Services: Non-Labor O&M</i>				Global Insight-based Series Name
	Weighting	\$	FERC Accts	Description	
51.27%		\$327,704,332		<u>Labor (Elec+Gas)</u>	
				<u>Electric</u>	
	3.74%	9,605,259	500-514	Steam Elec Production	JEFOMMS
	5.05%	12,978,871	546-554	Other Elec Production	JEOMMS
	63.64%	163,668,930	580-598	Elec Distribution	JEDOMMS
	4.03%	10,372,026	901-905	Customer Accounts	JECAOMS
	4.04%	10,395,045	907-910	Customer Svc & Info	JECIOMS
	19.50%	50,147,446	920-935 x926	Admin & General except 926	JEADGOMMS_X926
39.03%	100.00%	\$257,167,578		ELEC NON-LABOR TOTAL	
				<u>Gas</u>	
	17.89%	30,962,213	850-867	Gas Transmission	JGTOMMS
	25.07%	12,366,581	870-894	Gas Distribution	JGDOMMS
	7.88%	3,504,948	901-905	Customer Accounts	JGCAOMS
	16.51%	1,459,592	907-910	Customer Svc & Info	JGCIOMS
	<u>32.65%</u>	<u>15,610,277</u>	920-935 x926	Admin & General except 926	JGADGOMMS_X926
9.70%	100.00%	\$63,903,611		GAS NON-LABOR TOTAL	

<i>SDG&E Shared Services O&M</i>				
Weighting	\$	FERC Accts	Description	Global Insight-based Series Name
34.07%	\$34,278,098		Labor	---
			<u>Non-Labor</u>	
0.00%	\$0	500-514	Steam Elec Production	JEFOMMS
0.00%	\$3,109	580-598	Elec Distribution	JEDOMMS
0.00%	\$0	850-867	Gas Transmission	JGTOMMS
0.00%	\$87	870-894	Gas Distribution	JGDOMMS
0.00%	\$0	901-905	Customer Accounts (elec)	JECAOMS
0.00%	\$0	901-905	Customer Accounts (gas)	JGCAOMS
0.00%	\$78	907-910	Customer Svc & Info (elec)	JECIOMS
0.00%	\$26	907-910	Customer Svc & Info (gas)	JGCIOMS
49.44%	\$49,737,295	920-935 x926	Admin & General except 926 (elec)	JEADGOMMS_X926
<u>16.48%</u>	<u>\$16,581,566</u>	920-935 x926	Admin & General except 926 (gas)	JGADGOMMS_X926
100.00%	\$100,600,259	---	TOTAL	---

Source: file "GRC_USS_NSS by FERC 2025 for Esc Weights 02-17-22.xlsx"; from GRC and Revenue Requirements Dept.

SoCalGas and SDG&E Escalation and Gas Customer Forecast
Test Year 2028 General Rate Case

SDG&E 2025 Earnings: By Job Function

	Hol/Vac	Incentive	Other	Overtime	Premium	Regular	Sick	Total
SDG&E								
Associate	\$1,427,072.36	\$1,716,626.47	\$200,572.37	\$496,480.98	\$10,053.99	\$10,786,213.60	\$471,215.54	\$15,108,235.31
Executive	\$394,521.91	\$7,043,900.00	\$17,935,396.95			\$6,840,803.34		\$32,214,622.20
Management	\$32,315,269.71	\$56,843,556.04	\$8,762,752.65	\$4,124,746.17	\$7,151.82	\$225,775,687.88	\$7,339,972.56	\$335,169,136.83
Management Supervisor	\$17,923,536.13	\$41,426,933.81	\$12,042,015.25	\$8,230,218.89	\$12,627.79	\$123,424,801.20	\$3,239,378.87	\$206,299,511.94
Union	\$24,575,583.55	\$2,481,643.62	\$4,520,842.11	\$106,794,913.18	\$3,183,954.99	\$145,190,897.94	\$7,389,582.49	\$294,137,417.88
	\$76,635,983.66	\$109,512,659.94	\$43,461,579.33	\$119,646,359.22	\$3,213,788.59	\$512,018,403.96	\$18,440,149.46	\$882,928,924.16

<u>Area</u>	<u>Category</u>	<u>GI Description</u>	<u>Global Insight</u>	<u>SDG&E \$</u>	<u>SDG&E Weights</u>
Union	Union	(Utility Svc Wkrs)	CEU4422000008	\$294,137,418	33.314%
Supervisory	Exec & MgmtSup	(Mgrs & Adminstrtrs)	ECIPWMBFNS	\$238,514,134	27.014%
NonUnion NonSup	Mgmnt & Associate	(Profssnl & Techncl)	ECIPWPARNs	\$350,277,372	39.672%

Source: Sempra Compensation & Payroll Services Dept. (2025 earnings by job function)

SDG&E Combined Cycle Plant Component Weightings

(Palomar Generating Facility)

<u>CoCd</u>	<u>Class</u>	<u>Description</u>	<u>Acq.value</u>
2100	E0131010	Land	\$14,480,000
2100	E0131100	Struct. and Improv.	\$93,562,887
2100	E0131200	Boiler Plant Equip.	\$167,667,056
2100	E0131400	Turbogenerator Units	\$138,091,206
2100	E0131500	Accessory Elect. Eq.	\$87,052,783
2100	E0131520	Computer Software	\$7,979,827
2100	E0131600	Misc. Power Plnt Eq.	\$81,299,138
2100	E0134100	Struct. and Improv.	\$26,782,331
2100	E0134200	Fuel Holders, P & A	\$21,651,514
2101	E0134300	Prime Movers	\$126,937,835
2100	E0134400	Generators	\$273,575,009
2100	E0134500	Accessory Elect. Eq.	\$32,915,464
2100	E0134600	Misc. Power Plnt Eq.	\$60,462,374
2100	*	San Diego Gas & Electric	<u>\$1,132,457,422</u>

Weightings for Combined Cycle Escalation

Steam Prod.			0.758	\$858,882,413
Other Prod.	2100	E0134400	Generators	0.242 \$273,575,009

Source: Accounting Operations, file "Power Plant as NBV as of 2025_Calculation.xlsx"

Southern California Gas Customer/Meter Forecast Model

To produce its customer/meter forecasts, SoCalGas uses regression equations for the connected commercial and residential single and multi-family sectors. Commercial meters are driven by commercial employment. Single and multi-family housing starts drive their respective residential meter forecasts. The commercial and residential single and multi-family forecasts use historical quarterly data from 1990 through 2025.

VARIABLE DEFINITIONS

ABRSUNS_SCG	Single-Family Housing Starts, Annualized, SoCalGas
I1_ABRUNS_SCG	Lag variable of ABRUNS_SCG for one quarter
I2_ABRUNS_SCG	Lag variable of ABRUNS_SCG for two quarters
I3_ABRUNS_SCG	Lag variable of ABRUNS_SCG for three quarters
ABRMUNS_SCG	Multi-Family Housing Starts, Annualized, SoCalGas
I1_ABRMUNS_SCG	Lag variable of ABRMUNS_SCG for one quarter
I2_ABRMUNS_SCG	Lag variable of ABRMUNS_SCG for two quarters
I3_ABRMUNS_SCG	Lag variable of ABRMUNS_SCG for three quarters
I4_ABRMUNS_SCG	Lag variable of ABRMUNS_SCG for four quarters
I5_ABRMUNS_SCG	Lag variable of ABRMUNS_SCG for five quarters
ECOMNS_SCG	Commercial employment (total nonfarm less manufacturing and mining), thousands
log_ECOMNS_SCG	Logarithm of ECOMNS_SCG
log_lag1_ECOMNS_SCG	Logarithm of one quarter lag variable of ECOMNS_SCG
CONNS_SCG	Single-Family residential gas connected meters
CONNM_SCG	Multi-Family residential gas connected meters
CONN5_SCG	Master meter residential gas connected meters
CONNCOM_SCG	Commercial gas connected meters
CONNIND_SCG	Industrial gas connected meters
CONNRES_SCG	Residential gas connected meters
TOTCONN_SCG	Total gas connected meters
ACTS_SCG	Single-Family residential gas active meters
ACTM_SCG	Multi-Family residential gas active meters
ACT5_SCG	Master meter residential gas active meters
ACTCOM_SCG	Commercial gas active meters
ACTIND_SCG	Industrial gas active meters
ACTRES_SCG	Residential gas active meters
TOTACT_SCG	Total gas active meters
INACTS_SCG	Single-Family residential gas inactive meters
INACTM_SCG	Multi-Family residential gas inactive meters
INACT5_SCG	Master meter residential gas inactive meters
INACTCOM_SCG	Commercial gas inactive meters
INACTIND_SCG	Industrial gas inactive meters
INACTRES_SCG	Residential gas inactive meters

SoCalGas and SDG&E Escalation and Gas Customer Forecast
 Test Year 2028 General Rate Case

TOTINACT_SCG	Total gas inactive meters
SEASON2	Seasonal dummy variable of the 2nd quarter each year
SEASON3	Seasonal dummy variable of the 3rd quarter each year
SEASON4	Seasonal dummy variable of the 4th quarter each year
dum912	Dummy variable for 1991Q2
dum921	Dummy variable for 1992Q1
dum922	Dummy variable for 1992Q2
dum924	Dummy variable for 1992Q4
dum951	Dummy variable for 1995Q1
dum961	Dummy variable for 1996Q1
dum962	Dummy variable for 1996Q2
dum963	Dummy variable for 1996Q3
dum032	Dummy variable for 2003Q2
dum033	Dummy variable for 2003Q3
dum054	Dummy variable for 2005Q4
dum152	Dummy variable for 2015Q2
dum153	Dummy variable for 2015Q3
dum202	Dummy variable for 2020Q2
dum203	Dummy variable for 2020Q3
dum251	Dummy variable for 2025Q1
dum253	Dummy variable for 2025Q3
dum254	Dummy variable for 2025Q4

EQUATIONS

(Quarterly data from 1990Q1 to 2025Q4)

Single Family (Auto Regression):

$$\begin{aligned} \text{Difference}(\text{CONNS_SCG}) &= 0.1107 * \text{abrsuns_scg} + 0.1036 * \text{11_abrsuns_scg} \\ &+ 3000 * \text{dum951} + 4503 * \text{dum961} + 5560 * \text{dum962} - 5647 * \text{dum963} \\ &- 3093 * \text{dum032} - 3178 * \text{dum033} - 3595 * \text{dum054} - 3738 * \text{dum153} \\ &- 7153 * \text{dum251} - 7690 * \text{dum253} - 2177 * \text{dum254} - 639 * \text{season2} + 527 * \text{season4} \end{aligned}$$

$$\text{AR}_0 = -0.5395 * \text{AR}_1$$

$$\text{ACTS_SCG} = 98.59\% * \text{CONNS_SCG}$$

$$\text{INACTS_SCG} = \text{CONNS_SCG} - \text{ACTS_SCG}$$

Multi-Family (Auto Regression):

$$\begin{aligned} \text{Difference}(\text{CONNM_SCG}) &= 0.0320 * \text{abrmuns_scg} + 0.0332 * \text{14_abrmuns_scg} \\ &- 2033 * \text{dum912} + 1273 * \text{dum921} - 2447 * \text{dum963} + 3732 * \text{dum033} \\ &+ 2043 * \text{dum152} - 3294 * \text{dum251} + 645 * \text{dum254} \end{aligned}$$

$$\text{AR}_0 = -0.9699 * \text{AR}_1$$

$$\text{ACTM_SCG} = 95.92\% * \text{CONNM_SCG}$$

$$\text{INACTM_SCG} = \text{CONNM_SCG} - \text{ACTM_SCG}$$

Master Meter:

$$\text{ACT5_SCG} = 0.999 * \text{ACT5_SCG}[-1]$$

$$\text{CONN5_SCG} = 0.999 * \text{CONN5_SCG}[-1]$$

$$\text{INACT5_SCG} = \text{CONN5_SCG} - \text{ACT5_SCG}$$

$$\text{CONNRES_SCG} = \text{CONNS_SCG} + \text{CONNM_SCG} + \text{CONN5_SCG}$$

$$\text{ACTRES_SCG} = \text{ACTS_SCG} + \text{ACTM_SCG} + \text{ACT5_SCG}$$

$$\text{INACTRES_SCG} = \text{INACTS_SCG} + \text{INACTM_SCG} + \text{INACT5_SCG}$$

Commercial (Auto Regression):

$$\begin{aligned} \ln(\text{CONNCOM_SCG}) &= 0.0704 * \ln(\text{ecomns_scg}) - 0.0068 * \text{dum924} + 0.0083 * \text{dum202} \\ &+ 0.0043 * \text{dum203} + 0.0002 * \text{dum254} - 0.0013 * \text{season3} \\ &- 0.0016 * \text{season4} + 11.7275 \end{aligned}$$

$$\text{AR}_0 = -0.9995 * \text{AR}_1$$

$$\text{ACTCOM_SCG} = 75.43\% * \text{CONNCOM_SCG}$$

$$\text{INACTCOM_SCG} = \text{CONNCOM_SCG} - \text{ACTCOM_SCG}$$

Industrial:

$$\text{ACTIND_SCG} = 0.980 * \text{ACTIND_SCG}[-1]$$

$$\text{CONNIND_SCG} = 0.990 * \text{CONNIND_SCG}[-1]$$

$$\text{INACTIND_SCG} = \text{CONNIND_SCG} - \text{ACTIND_SCG}$$

$$\text{TOTCONN_SCG} = \text{CONNRES_SCG} + \text{CONNCOM_SCG} + \text{CONNIND_SCG}$$

$$\text{TOTACT_SCG} = \text{ACTRES_SCG} + \text{ACTCOM_SCG} + \text{ACTIND_SCG}$$

$$\text{TOTINACT_SCG} = \text{INACTRES_SCG} + \text{INACTCOM_SCG} + \text{INACTIND_SCG}$$

Out-of-Model Adjustment for Residential Meters

To reflect reduced growth in new multifuel homes, a reduction of 40% is applied to the new single-family and multifamily residential meter model forecasted growth annually in the forecast period.

DATA

2028 General Rate Case
 SoCalGas Connected Meter Forecast
 Recorded Data Through 2025

Year	Res			RES	COM	IND	TOTAL
	Res Single Fam	Res Multi- Fam	Master Meter				
1990	2,864,996	1,553,537	44,265	4,462,798	212,425	28,905	4,704,128
1991	2,904,892	1,589,020	44,643	4,538,555	212,277	29,152	4,779,984
1992	2,937,305	1,611,826	45,269	4,594,400	211,617	28,344	4,834,362
1993	2,964,963	1,627,336	45,847	4,638,146	211,894	27,862	4,877,901
1994	2,994,232	1,636,076	46,122	4,676,430	214,923	28,040	4,919,393
1995	3,025,284	1,643,093	46,332	4,714,709	217,826	28,269	4,960,803
1996	3,061,418	1,653,357	46,417	4,761,192	218,876	28,215	5,008,283
1997	3,093,697	1,659,240	46,236	4,799,172	220,918	28,427	5,048,517
1998	3,130,605	1,664,720	46,064	4,841,389	223,349	28,937	5,093,675
1999	3,171,852	1,669,435	45,905	4,887,193	226,051	28,847	5,142,090
2000	3,216,122	1,674,027	45,607	4,935,755	228,320	28,725	5,192,800
2001	3,265,670	1,678,626	45,223	4,989,519	230,468	28,653	5,248,640
2002	3,318,980	1,684,653	44,899	5,048,532	232,864	28,323	5,309,720
2003	3,372,732	1,695,409	44,524	5,112,666	234,585	28,195	5,375,446
2004	3,429,816	1,710,554	44,160	5,184,529	236,312	28,309	5,449,150
2005	3,492,924	1,720,189	43,802	5,256,916	237,831	28,277	5,523,023
2006	3,555,620	1,734,729	43,337	5,333,686	239,462	28,207	5,601,356
2007	3,600,301	1,755,752	43,040	5,399,093	240,947	28,330	5,668,370
2008	3,625,746	1,776,760	42,699	5,445,205	242,314	28,502	5,716,020
2009	3,640,754	1,793,706	42,415	5,476,875	243,434	28,590	5,748,898
2010	3,653,318	1,807,004	42,187	5,502,509	243,937	28,641	5,775,086
2011	3,662,998	1,814,703	41,945	5,519,646	244,426	28,621	5,792,693
2012	3,671,608	1,822,820	41,729	5,536,157	244,927	28,556	5,809,640
2013	3,683,206	1,831,916	41,550	5,556,673	245,498	28,440	5,830,610
2014	3,697,453	1,842,924	41,386	5,581,764	245,756	28,321	5,855,841
2015	3,714,070	1,855,988	41,260	5,611,319	247,202	27,169	5,885,690
2016	3,731,022	1,869,233	41,085	5,641,340	248,039	26,165	5,915,544
2017	3,751,864	1,879,668	40,960	5,672,492	248,195	25,779	5,946,466
2018	3,775,415	1,889,285	40,789	5,705,489	248,643	25,457	5,979,589
2019	3,797,955	1,900,271	40,257	5,738,483	248,943	25,189	6,012,615
2020	3,820,836	1,912,460	39,301	5,772,596	249,302	24,938	6,046,836
2021	3,844,078	1,924,441	39,312	5,807,832	249,422	24,764	6,082,018
2022	3,867,482	1,935,179	39,349	5,842,009	249,565	24,533	6,116,108
2023	3,887,934	1,945,504	39,269	5,872,707	249,550	24,219	6,146,476
2024	3,912,131	1,958,416	39,225	5,909,772	249,401	23,937	6,183,110
2025	3,925,810	1,967,313	39,173	5,932,296	249,103	23,690	6,205,089
2026	3,935,180	1,972,148	39,148	5,946,475	249,110	23,448	6,219,034
2027	3,949,756	1,974,371	39,122	5,963,250	249,152	23,209	6,235,611
2028	3,964,796	1,976,560	39,097	5,980,453	249,168	22,972	6,252,592
2029	3,979,642	1,978,809	39,071	5,997,522	249,223	22,737	6,269,482
2030	3,994,289	1,981,211	39,046	6,014,546	249,280	22,505	6,286,332
2031	4,008,850	1,983,795	39,020	6,031,665	249,297	22,275	6,303,238

2028 General Rate Case
 SoCalGas Active Meter Forecast
 Recorded Data Through 2025

Year	Res			RES	COM	IND	TOTAL
	Res Single Fam	Res Multi- Fam	Master Meter				
1990	2,820,947	1,478,293	43,876	4,343,116	192,841	26,805	4,562,762
1991	2,860,021	1,502,559	44,259	4,406,839	192,545	26,031	4,625,415
1992	2,885,859	1,506,284	44,811	4,436,954	189,788	24,793	4,651,536
1993	2,903,272	1,501,832	45,288	4,450,392	188,081	24,122	4,662,596
1994	2,924,340	1,496,300	45,275	4,465,916	186,573	23,617	4,676,106
1995	2,952,715	1,504,445	45,372	4,502,531	185,635	23,292	4,711,458
1996	2,988,044	1,523,124	45,605	4,556,773	183,463	22,898	4,763,134
1997	3,018,440	1,536,022	45,380	4,599,841	181,886	22,583	4,804,311
1998	3,054,942	1,559,133	45,216	4,659,291	183,057	22,753	4,865,101
1999	3,103,998	1,582,528	45,104	4,731,630	185,146	22,523	4,939,300
2000	3,158,252	1,597,527	44,860	4,800,639	185,845	22,071	5,008,555
2001	3,210,899	1,604,796	44,487	4,860,183	187,676	21,859	5,069,718
2002	3,268,930	1,612,709	44,215	4,925,855	189,804	21,396	5,137,054
2003	3,322,120	1,621,230	43,861	4,987,211	190,114	20,848	5,198,173
2004	3,377,588	1,633,083	43,540	5,054,210	191,291	20,734	5,266,235
2005	3,434,786	1,637,608	43,177	5,115,570	192,270	20,590	5,328,430
2006	3,488,997	1,647,654	42,695	5,179,346	192,321	20,307	5,391,974
2007	3,524,381	1,665,905	42,386	5,232,672	192,862	20,257	5,445,791
2008	3,531,044	1,681,864	42,026	5,254,934	191,906	20,140	5,466,979
2009	3,547,653	1,681,251	41,711	5,270,615	189,864	19,678	5,480,156
2010	3,570,360	1,697,335	41,486	5,309,182	188,141	19,346	5,516,668
2011	3,585,182	1,716,280	41,243	5,342,705	187,337	19,136	5,549,178
2012	3,598,669	1,730,663	41,038	5,370,370	186,996	18,989	5,576,355
2013	3,614,927	1,743,855	40,896	5,399,678	187,544	18,891	5,606,113
2014	3,632,535	1,759,125	40,699	5,432,359	187,321	18,704	5,638,383
2015	3,647,531	1,773,721	40,504	5,461,756	187,844	17,528	5,667,127
2016	3,666,098	1,788,972	40,333	5,495,403	188,465	17,050	5,700,918
2017	3,693,882	1,803,793	40,296	5,537,971	188,894	16,706	5,743,571
2018	3,718,317	1,813,016	40,114	5,571,447	188,823	16,330	5,776,600
2019	3,742,106	1,824,603	39,591	5,606,301	189,380	16,068	5,811,749
2020	3,769,495	1,832,425	38,644	5,640,564	189,399	15,811	5,845,774
2021	3,790,736	1,839,450	38,610	5,668,795	188,690	15,674	5,873,160
2022	3,812,839	1,858,669	38,658	5,710,167	188,580	15,404	5,914,150
2023	3,836,679	1,871,756	38,604	5,747,038	188,829	15,090	5,950,958
2024	3,859,263	1,880,496	38,565	5,778,324	188,227	14,723	5,981,275
2025	3,863,586	1,883,368	38,427	5,785,380	186,267	14,307	5,985,955
2026	3,879,654	1,891,659	38,383	5,809,697	187,893	14,024	6,011,614
2027	3,894,025	1,893,792	38,340	5,826,157	187,925	13,747	6,027,828
2028	3,908,852	1,895,891	38,297	5,843,041	187,936	13,475	6,044,452
2029	3,923,489	1,898,048	38,254	5,859,791	187,978	13,208	6,060,977
2030	3,937,930	1,900,353	38,210	5,876,493	188,021	12,947	6,077,461
2031	3,952,285	1,902,831	38,167	5,893,283	188,034	12,690	6,094,008

Model Quarterly Data

QUARTER	ABRMUNS_SCG	ABRSUNS_SCG	ACT5_SCG	ACTCOM_SCG	ACTIND_SCG	ACTM_SCG	ACTRES_SCG	ACTS_SCG
199001			43795	195521	27459	1469487	4319686	2806404
199002			43874	193678	27049	1477152	4337799	2816773
199003			43875	190725	26424	1477648	4345044	2823521
199004			43959	191440	26289	1488886	4369935	2837090
199101			44067	195816	26806	1500306	4396466	2852093
199102			44178	192800	26244	1501548	4402089	2856363
199103			44331	190390	25597	1501017	4406958	2861610
199104			44460	191174	25475	1507364	4421843	2870019
199201			44659	194234	25572	1511631	4438190	2881900
199202			44776	190425	24935	1509746	4439479	2884957
199203			44881	187121	24407	1501504	4431619	2885233
199204			44929	187373	24258	1502255	4438531	2891347
199301			45095	192344	24799	1509962	4456201	2901144
199302			45287	188806	24168	1504861	4452018	2901871
199303			45391	185433	23757	1494730	4441120	2900999
199304			45379	185741	23765	1497777	4452230	2909075
199401			45293	189533	24061	1501719	4467000	2919988
199402			45312	186951	23663	1497561	4465684	2922811
199403			45281	184468	23364	1489713	4458251	2923257
199404			45215	185339	23379	1496208	4472729	2931306
199501			45232	188744	23741	1503171	4493203	2944800
199502			45294	186059	23440	1503779	4499152	2950079
199503			45434	184028	23066	1501523	4500409	2953451
199504			45526	183708	22923	1509305	4517360	2962528
199601			45628	185874	23175	1521741	4544977	2977608
199602			45686	183496	22956	1524504	4556289	2986099
199603			45587	181701	22686	1518795	4552726	2988345
199604			45519	182782	22776	1527454	4573098	3000125
199701			45466	184554	23014	1537124	4593585	3010996
199702			45379	181809	22608	1535612	4595709	3014719
199703			45380	180213	22353	1531641	4595433	3018413
199704			45295	180969	22358	1539710	4614637	3029632
199801			45304	184313	22975	1552596	4642333	3044433
199802			45215	183095	22803	1558746	4653634	3049673
199803			45190	181986	22581	1557412	4657881	3055279
199804			45156	182834	22653	1567776	4683316	3070384
199901			45141	185911	22866	1579502	4711782	3087139
199902			45093	185272	22599	1582432	4724775	3097250
199903			45091	184391	22339	1580597	4732846	3107158
199904			45090	185012	22289	1587582	4757117	3124445
200001			45009	187065	22394	1596479	4783335	3141847
200002			44871	185888	22115	1597475	4794660	3152314
200003			44820	184558	21844	1594370	4800050	3160859
200004			44739	185867	21932	1601783	4824510	3177989
200101			44651	188600	22199	1608491	4848704	3195562
200102			44479	187803	21927	1605712	4853652	3203461
200103			44412	186703	21679	1599657	4856912	3212843
200104			44407	187598	21630	1605326	4881462	3231730
200201			44367	190614	21742	1613507	4909394	3251520
200202			44270	189849	21476	1613461	4920956	3263225
200203			44153	189150	21237	1609426	4926280	3272701
200204			44072	189601	21127	1614441	4946789	3288275

SoCalGas and SDG&E Escalation and Gas Customer Forecast
Test Year 2028 General Rate Case

QUARTER	ABRMUNS_SCG	ABRSUNS_SCG	ACT5_SCG	ACTCOM_SCG	ACTIND_SCG	ACTM_SCG	ACTRES_SCG	ACTS_SCG
200301			44006	191116	21184	1618408	4968702	3306288
200302			43897	190214	20867	1619931	4980658	3316830
200303			43776	189309	20673	1620392	4988299	3324131
200304			43763	189817	20670	1626189	5011183	3341231
200401			43703	192352	20910	1634655	5039238	3360880
200402			43577	191276	20734	1633439	5047519	3370503
200403			43454	190237	20584	1629435	5053248	3380359
200404			43425	191297	20709	1634803	5076837	3398609
200501			43352	193383	21017	1640393	5100901	3417155
200502			43237	192475	20558	1637890	5108554	3427427
200503			43143	191563	20387	1633767	5116843	3439933
200504			42975	191659	20396	1638381	5135984	3454628
200601			42863	193017	20672	1645822	5162385	3473701
200602			42773	192834	20354	1649620	5178701	3486307
200603			42603	191607	20103	1644433	5178505	3491469
200604			42542	191825	20100	1650740	5197794	3504512
200701			42520	194375	20455	1662142	5225228	3520565
200702			42421	193127	20346	1665832	5232489	3524236
200703			42318	191843	20123	1664141	5230559	3524100
200704			42285	192101	20106	1671506	5242412	3528621
200801			42207	193912	20397	1681412	5257468	3533850
200802			42072	192245	20213	1683528	5256988	3531389
200803			41951	190856	20028	1680646	5250571	3527974
200804			41875	190609	19923	1681869	5254707	3530962
200901			41783	191757	20008	1685200	5268718	3541735
200902			41741	190263	19759	1684061	5272434	3546633
200903			41675	188710	19502	1676356	5265381	3547350
200904			41644	188725	19440	1679389	5275926	3554893
201001			41600	189781	19565	1690235	5297499	3565664
201002			41547	188284	19404	1696798	5308012	3569667
201003			41429	187159	19218	1697647	5309477	3570401
201004			41369	187339	19195	1704660	5321738	3575709
201101			41314	188651	19358	1712904	5336779	3582562
201102			41279	187549	19173	1717290	5343611	3585043
201103			41216	186425	19003	1714903	5340608	3584489
201104			41164	186725	19010	1720024	5349821	3588633
201201			41117	188160	19208	1729135	5366857	3596605
201202			41059	187140	19059	1731820	5371021	3598142
201203			41002	186246	18877	1728963	5367782	3597817
201204			40973	186438	18811	1732734	5375820	3602113
201301			40957	188475	19023	1742020	5394604	3611626
201302			40926	187796	18922	1745100	5400352	3614326
201303			40868	186783	18805	1740685	5394638	3613085
201304			40832	187121	18813	1747616	5409119	3620671
201401			40799	188566	18926	1756290	5426685	3629596
201402			40737	187669	18740	1761218	5435561	3633606
201403			40644	186592	18592	1757676	5429427	3631107
201404			40616	186457	18558	1761316	5437762	3635830
201501			40586	188397	17927	1769302	5454057	3644169
201502			40562	188310	17486	1775119	5464003	3648323
201503			40455	187167	17374	1773044	5459774	3646275
201504			40413	187501	17325	1777419	5469187	3651356

SoCalGas and SDG&E Escalation and Gas Customer Forecast
Test Year 2028 General Rate Case

QUARTER	ABRMUNS_SCG	ABRSUNS_SCG	ACT5_SCG	ACTCOM_SCG	ACTIND_SCG	ACTM_SCG	ACTRES_SCG	ACTS_SCG
201601			40354	189326	17284	1786454	5487697	3660889
201602			40297	188833	17110	1787695	5489210	3661218
201603			40338	187915	16945	1788680	5495847	3666829
201604			40343	187785	16861	1793059	5508857	3675454
201701			40340	189526	16883	1801503	5529110	3687267
201702			40322	189197	16764	1805163	5537851	3692365
201703			40276	188404	16645	1802885	5537254	3694093
201704			40244	188449	16530	1805623	5547670	3701803
201801			40182	189474	16542	1811838	5563864	3711844
201802			40140	189126	16404	1813728	5570682	3716814
201803			40085	188346	16229	1811675	5570789	3719029
201804			40048	188346	16144	1814825	5580452	3725579
201901			40043	189934	16238	1821870	5597630	3735717
201902			39902	189748	16112	1824641	5604685	3740142
201903			39638	188860	15983	1824066	5605637	3741933
201904			38783	188979	15938	1827836	5617252	3750633
202001			38637	190381	15950	1832339	5630305	3759329
202002			38649	189677	15838	1833477	5638818	3766691
202003			38645	188915	15709	1831984	5643457	3772828
202004			38644	188622	15747	1831899	5649676	3779132
202101			38614	188872	15738	1833213	5656855	3785028
202102			38615	188790	15675	1836290	5663723	3788818
202103			38611	188533	15672	1841459	5672294	3792223
202104			38598	188565	15613	1846838	5682310	3796873
202201			38622	189432	15541	1852352	5694979	3804004
202202			38660	189026	15429	1857507	5707210	3811043
202203			38684	187971	15355	1860869	5715004	3815451
202204			38665	187890	15289	1863948	5723473	3820860
202301			38655	189147	15221	1868721	5736734	3829358
202302			38618	189185	15096	1872195	5746119	3835306
202303			38578	188631	15036	1872116	5748702	3838007
202304			38564	188352	15009	1873990	5756599	3844045
202401			38565	188933	14866	1877770	5768555	3852220
202402			38554	188534	14705	1879916	5775416	3856946
202403			38562	187765	14684	1880435	5778369	3859371
202404			38581	187677	14637	1883864	5790958	3868513
202501			38459	187706	14484	1884265	5784538	3861814
202502			38443	187309	14349	1886645	5789136	3864047
202503			38414	185591	14276	1882279	5783651	3862957
202504			38390	184462	14121	1880281	5784196	3865526

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QUARTER	ECOMNS_SCG	INACTS_SCG	INACTCOM_SCG	INACTIND_SCG	INACTM_SCG	INACTRES_SCG	INACTS_SCG	CONNS_SCG
199001		385	17735	1146	68770	109854	40699	44180
199002		377	19254	1893	71045	114081	42659	44251
199003		407	21421	2580	81014	129152	47732	44282
199004		390	19926	2781	80144	125640	45105	44349
199101		364	16961	2553	78379	119372	40629	44430
199102		363	19679	3082	83678	127227	43186	44541
199103		372	21638	3489	91798	140109	47939	44702
199104		439	20652	3363	91992	140156	47726	44899
199201		451	18601	3042	94017	140321	45853	45110
199202		432	22096	3584	99784	149014	48798	45208
199203		440	24046	3885	112829	168634	55365	45321
199204		507	22572	3693	115539	171814	55768	45436
199301		503	19627	3184	113021	167521	53997	45599
199302		496	23229	3633	121121	181073	59457	45783
199303		584	26269	4058	134264	201640	66793	45974
199304		655	26126	4082	133607	200779	66517	46034
199401		745	24394	3845	132217	196896	63934	46039
199402		808	27918	4355	137885	206639	67945	46120
199403		875	30572	4738	146586	222269	74809	46156
199404		957	30516	4755	142415	216252	72880	46171
199501		968	28926	4500	136192	206342	69181	46200
199502		973	31767	4908	138117	210727	71637	46267
199503		960	33764	5216	142707	219143	75476	46394
199504		941	34305	5282	137575	212502	73986	46467
199601		841	32766	4965	128924	200553	70787	46470
199602		740	35098	5223	129319	205118	75059	46426
199603		817	37129	5572	134857	210977	75303	46403
199604		850	36657	5509	127834	201029	72345	46369
199701		836	35926	5393	120032	190818	69950	46302
199702		886	39055	5847	122971	198138	74280	46265
199703		853	40907	6163	128198	208195	79145	46232
199704		849	40239	5974	121671	200172	77652	46144
199801		834	38423	5867	110483	183780	72464	46138
199802		848	40007	6136	105551	182461	76062	46063
199803		880	41556	6390	107825	188206	79501	46070
199804		831	41182	6344	98490	173943	74623	45986
199901		799	39259	6073	88242	157737	68696	45941
199902		802	40521	6233	86507	156312	69003	45895
199903		818	41900	6495	89304	159839	69717	45909
199904		787	41940	6494	83574	148362	64001	45877
200001		754	40833	6350	75631	134313	57928	45763
200002		737	42315	6610	76015	134585	57834	45608
200003		749	43741	6861	80335	140872	59787	45569
200004		748	43013	6793	74019	130695	55928	45486
200101		702	41226	6534	67960	119745	51084	45353
200102		749	42504	6728	72016	128202	55437	45228
200103		774	43880	6944	79805	139377	58798	45186
200104		719	43557	6973	75537	130021	53765	45125
200201		679	41538	6739	68986	117923	48258	45045
200202		677	42831	6867	70607	120337	49053	44947
200203		698	43899	7029	75861	128634	52075	44850
200204		682	43975	7075	72321	123817	50814	44754

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200301		685	43060	6995	69765	118661	48211	44691
200302		663	44215	7291	71869	122141	49609	44560
200303		675	45344	7522	78554	132631	53401	44451
200304		632	45262	7580	76529	128389	51227	44395
200401		596	43590	7431	72028	118993	46368	44299
200402		625	44874	7526	76305	128029	51099	44202
200403		643	46142	7703	82188	139376	56545	44096
200404		618	45478	7640	79363	134878	54898	44043
200501		597	43924	7446	76220	128565	51749	43949
200502		618	45289	7646	80350	136953	55985	43855
200503		643	46438	7820	88130	151121	62347	43786
200504		644	46590	7835	85626	148742	62473	43619
200601		634	45757	7709	82281	143352	60436	43497
200602		622	46546	7831	82720	146423	63081	43395
200603		669	48087	8010	92378	164355	71307	43272
200604		640	48177	8050	90923	163230	71668	43182
200701		619	46194	7815	85935	154186	67632	43140
200702		649	47636	8020	87426	160154	72079	43071
200703		699	49127	8218	94036	174931	80196	43018
200704		645	49384	8236	91991	176412	83776	42931
200801		638	48172	8047	87260	172784	84886	42845
200802		664	49923	8284	90466	183037	91908	42736
200803		694	51482	8489	99091	200010	100224	42645
200804		696	52056	8624	102770	205256	101790	42572
200901		698	51488	8575	102768	197983	94517	42482
200902		698	53209	8837	108006	200973	92269	42438
200903		722	54720	9093	119628	215201	94851	42397
200904		697	54864	9143	119417	210882	90769	42341
201001		689	54025	9050	112248	196138	83201	42288
201002		680	55621	9258	108815	191707	82211	42227
201003		722	56783	9428	111199	196378	84457	42152
201004		712	56754	9444	106412	189086	81962	42081
201101		703	55789	9283	99493	177499	77304	42016
201102		691	56832	9440	96455	173847	76700	41970
201103		708	57937	9622	100462	180696	79525	41924
201104		705	57797	9594	97281	175724	77738	41870
201201		689	56684	9425	90458	162914	71767	41806
201202		697	57678	9527	89969	162747	72081	41756
201203		696	58650	9655	95022	170407	74688	41698
201204		683	58710	9663	93179	167079	73217	41657
201301		652	56955	9409	86269	153759	66838	41609
201302		645	57744	9530	85594	153289	67050	41570
201303		664	58691	9644	92624	164845	71557	41532
201304		658	58425	9613	87757	156087	67672	41490
201401		645	57211	9473	82070	145086	62370	41445
201402		668	58260	9613	80822	144199	62708	41406
201403		711	59080	9696	86468	154613	67433	41355
201404		725	59192	9686	85835	153723	67163	41340
201501		723	58289	9557	80791	144659	63145	41309
201502		739	58991	9615	80058	146375	65578	41301
201503		780	60028	9695	84773	154840	69288	41235
201504		784	60126	9698	83447	152379	68148	41197

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201601		800	58687	9184	78523	142570	63246	41154
201602		812	59338	9045	80371	148319	67136	41108
201603		719	60150	9111	82111	149110	66280	41057
201604		679	60119	9121	80036	143750	63036	41022
201701		659	58604	9001	74315	131480	56506	41000
201702		650	58944	9055	73099	129950	56200	40972
201703		688	59774	9109	78330	139182	60164	40964
201704		660	59881	9130	77753	137472	59058	40904
201801		668	59150	9060	73845	129263	54750	40850
201802		662	59499	9087	74193	130385	55530	40802
201803		682	60244	9175	78727	138489	59080	40767
201804		690	60386	9184	78309	138033	59034	40738
201901		659	58875	9034	73889	128627	54079	40702
201902		648	59181	9087	74009	129128	54471	40549
201903		665	60090	9173	77276	135995	58054	40303
201904		689	60104	9191	77499	134977	56789	39472
202001		659	58909	9082	75608	129302	53035	39296
202002		647	59574	9116	77447	129260	51166	39296
202003		650	60397	9161	81712	132799	50438	39294
202004		672	60732	9150	85371	136769	50726	39316
202101		686	60547	9084	86775	137674	50213	39300
202102		681	60646	9078	86765	139312	51866	39297
202103		709	60915	9101	84857	140831	55265	39321
202104		731	60820	9096	81568	138327	56028	39330
202201		722	60111	9049	78526	133560	54311	39344
202202		700	60606	9090	76775	131750	54275	39360
202203		672	61557	9197	76183	132488	55632	39357
202204		669	61668	9182	74554	129574	54351	39334
202301		676	60626	9082	72501	124245	51069	39331
202302		658	60478	9103	71736	121960	49566	39276
202303		657	60804	9150	74651	127325	52016	39236
202304		671	60975	9180	76107	129145	52368	39234
202401		655	60568	9134	75923	127336	50758	39220
202402		660	60943	9191	76678	128845	51507	39213
202403		652	61501	9258	78927	133958	54379	39214
202404		671	61683	9271	80152	135652	54830	39252
202501		749	61565	9250	80317	143003	61937	39208
202502		743	61985	9302	80696	145024	63585	39186
202503		738	63376	9434	85662	147711	61311	39152
202504		756	64416	9547	89106	151924	62062	39146

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199001	213256	28605	1538257	4429540	2847103	4542666	4671402	128736
199002	212932	28943	1548197	4451879	2859431	4558526	4693754	135228
199003	212146	29004	1558661	4474196	2871253	4562193	4715345	153153
199004	211367	29070	1569031	4495575	2882195	4587665	4736011	148347
199101	212776	29359	1578685	4515838	2892723	4619088	4757973	138885
199102	212479	29325	1585226	4529316	2899549	4621133	4771120	149987
199103	212028	29086	1592815	4547067	2909550	4622945	4788180	165235
199104	211826	28838	1599356	4561999	2917745	4638493	4802664	164171
199201	212836	28614	1605648	4578511	2927753	4657996	4819961	161965
199202	212521	28520	1609530	4588493	2933755	4654839	4829533	174694
199203	211168	28292	1614333	4600253	2940598	4643147	4839713	196566
199204	209945	27952	1617793	4610344	2947115	4650162	4848241	198079
199301	211971	27984	1622983	4623722	2955141	4673344	4863677	190332
199302	212034	27801	1625981	4633091	2961327	4664992	4872927	207935
199303	211703	27815	1628994	4642760	2967791	4650310	4882278	231967
199304	211866	27847	1631384	4653009	2975591	4661736	4892722	230987
199401	213927	27906	1633936	4663896	2983921	4680595	4905730	225135
199402	214869	28018	1635446	4672323	2990756	4676298	4915210	238912
199403	215040	28102	1636299	4680520	2998066	4666084	4923663	257579
199404	215855	28133	1638623	4688980	3004186	4681447	4932969	251522
199501	217670	28240	1639364	4699545	3013981	4705688	4945455	239767
199502	217826	28348	1641896	4709878	3021715	4708650	4956052	247402
199503	217793	28282	1644230	4719551	3028927	4707503	4965626	258123
199504	218014	28205	1646880	4729862	3036514	4723991	4976080	252090
199601	218640	28140	1650665	4745530	3048395	4754027	4992310	238283
199602	218594	28179	1653824	4761408	3061158	4762742	5008181	245439
199603	218830	28258	1653652	4763704	3063648	4757113	5010792	253678
199604	219440	28284	1655288	4774126	3072469	4778656	5021850	243195
199701	220479	28407	1657156	4784404	3080946	4801153	5033290	232137
199702	220864	28455	1658583	4793847	3088999	4800126	5043165	243039
199703	221120	28517	1659839	4803629	3097558	4798000	5053265	255265
199704	221208	28331	1661381	4814809	3107284	4817963	5064348	246385
199801	222737	28842	1663079	4826113	3116896	4849621	5077692	228071
199802	223102	28939	1664297	4836096	3125735	4859532	5088136	228604
199803	223543	28970	1665237	4846087	3134780	4862448	5098600	236152
199804	224016	28997	1666266	4857260	3145007	4888804	5110273	221469
199901	225169	28939	1667744	4869520	3155835	4920559	5123628	203069
199902	225792	28832	1668939	4881087	3166253	4932646	5135711	203065
199903	226291	28833	1669901	4892684	3176875	4939575	5147808	208233
199904	226952	28783	1671157	4905479	3188446	4964418	5161214	196796
200001	227898	28745	1672110	4917648	3199775	4992795	5174291	181496
200002	228203	28725	1673490	4929245	3210148	5002663	5186173	183510
200003	228299	28706	1674705	4940921	3220647	5006452	5197926	191474
200004	228881	28725	1675802	4955205	3233917	5032310	5212811	180501
200101	229826	28732	1676450	4968449	3246646	5059503	5227008	167505
200102	230307	28656	1677728	4981854	3258898	5063383	5240817	177435
200103	230583	28623	1679462	4996289	3271641	5065294	5255495	190201
200104	231156	28602	1680863	5011483	3285495	5090690	5271241	180551
200201	232152	28481	1682493	5027317	3299778	5121750	5287950	166200
200202	232680	28343	1684068	5041293	3312278	5132281	5302316	170034
200203	233049	28266	1685287	5054914	3324776	5136667	5316229	179562
200204	233576	28201	1686762	5070605	3339089	5157516	5332383	174867

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200301	234176	28179	1688173	5087363	3354499	5181002	5349719	168717
200302	234430	28157	1691800	5102799	3366439	5191739	5365386	173647
200303	234653	28195	1698946	5120930	3377532	5198281	5383778	185497
200304	235080	28250	1702718	5139572	3392458	5221671	5402902	181231
200401	235942	28341	1706683	5158231	3407249	5252501	5422514	170013
200402	236150	28260	1709744	5175548	3421602	5259529	5439957	180428
200403	236379	28286	1711623	5192624	3436905	5264068	5457289	193221
200404	236775	28349	1714166	5211715	3453507	5288843	5476840	187996
200501	237307	28463	1716613	5229466	3468904	5315301	5495237	179936
200502	237764	28205	1718240	5245507	3483412	5321587	5511476	189888
200503	238002	28207	1721898	5267964	3502280	5328794	5534173	205379
200504	238249	28232	1724006	5284726	3517101	5348039	5551207	203168
200601	238774	28381	1728103	5305737	3534137	5376074	5572892	196818
200602	239380	28185	1732341	5325124	3549389	5391889	5592689	200800
200603	239694	28113	1736811	5342860	3562776	5390215	5610667	220452
200604	240001	28149	1741663	5361024	3576179	5409718	5629175	219457
200701	240569	28270	1748077	5379414	3588197	5440058	5648253	208195
200702	240764	28366	1753258	5392644	3596315	5445963	5661773	215811
200703	240970	28341	1758177	5405490	3604296	5442525	5674801	232276
200704	241485	28342	1763497	5418824	3612396	5454618	5688651	234033
200801	242084	28444	1768672	5430253	3618736	5471777	5700780	229003
200802	242168	28497	1773994	5440026	3623296	5469447	5710691	241244
200803	242338	28518	1779737	5450581	3628198	5461456	5721436	259981
200804	242664	28547	1784639	5459962	3632752	5465238	5731174	265936
200901	243245	28583	1787967	5466701	3636252	5480484	5738530	258046
200902	243472	28596	1792067	5473407	3638902	5482457	5745476	263019
200903	243429	28595	1795984	5480582	3642201	5473593	5752607	279014
200904	243589	28584	1798805	5486808	3645662	5484091	5758981	274890
201001	243806	28615	1802483	5493637	3648865	5506845	5766058	259213
201002	243905	28662	1805613	5499719	3651879	5515701	5772286	256586
201003	243942	28647	1808846	5505856	3654858	5515855	5778445	262590
201004	244093	28639	1811072	5510824	3657671	5528272	5783556	255284
201101	244440	28641	1812396	5514278	3659866	5544788	5787359	242571
201102	244381	28613	1813745	5517458	3661743	5550333	5790452	240119
201103	244362	28625	1815365	5521303	3664014	5546036	5794290	248254
201104	244522	28604	1817305	5525545	3666371	5555555	5798671	243116
201201	244844	28633	1819593	5529771	3668371	5574225	5803248	229023
201202	244818	28587	1821789	5533768	3670223	5577220	5807173	229952
201203	244896	28533	1823985	5538189	3672506	5572906	5811618	238712
201204	245148	28473	1825913	5542899	3675330	5581068	5816521	235452
201301	245430	28432	1828289	5548363	3678464	5602102	5822225	220123
201302	245540	28452	1830694	5553641	3681376	5607070	5827632	220562
201303	245474	28449	1833310	5559483	3684642	5600226	5833407	233180
201304	245546	28426	1835373	5565205	3688343	5615053	5839178	224125
201401	245776	28399	1838360	5571771	3691966	5634177	5845946	211770
201402	245929	28352	1842040	5579760	3696314	5641970	5854041	212071
201403	245672	28287	1844144	5584039	3698540	5634610	5857999	223389
201404	245649	28245	1847151	5591485	3702994	5642777	5865378	222601
201501	246686	27484	1850093	5598716	3707314	5660382	5872886	212504
201502	247301	27101	1855177	5610378	3713901	5669799	5884780	214981
201503	247195	27069	1857817	5614614	3715562	5664315	5888878	224563
201504	247627	27023	1860866	5621567	3719504	5674013	5896217	222204

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201601	248013	26469	1864977	5630267	3724135	5694308	5904749	210441
201602	248172	26155	1868067	5637529	3728354	5695154	5911855	216702
201603	248065	26055	1870791	5644957	3733109	5700707	5919078	218371
201604	247904	25982	1873095	5652607	3738490	5713503	5926493	212990
201701	248131	25884	1875818	5660591	3743773	5735520	5934605	199085
201702	248141	25819	1878263	5667800	3748565	5743812	5941761	197949
201703	248178	25754	1881215	5676436	3754257	5742303	5950368	208065
201704	248329	25660	1883376	5685142	3760862	5752649	5959131	206483
201801	248624	25603	1885683	5693128	3766594	5769880	5967354	197474
201802	248625	25491	1887921	5701067	3772344	5776212	5975183	198972
201803	248590	25405	1890402	5709278	3778109	5775364	5983272	207909
201804	248732	25328	1893134	5718485	3784613	5784942	5992545	207603
201901	248808	25272	1895759	5726257	3789796	5803802	6000338	196536
201902	248930	25199	1898650	5733812	3794613	5810545	6007941	197396
201903	248950	25156	1901342	5741632	3799987	5810480	6015738	205259
201904	249083	25129	1905335	5752229	3807422	5822168	6026441	204273
202001	249291	25032	1907947	5759607	3812364	5836637	6033930	197293
202002	249251	24954	1910924	5768077	3817857	5844333	6042282	197949
202003	249312	24870	1913696	5776256	3823265	5848081	6050438	202357
202004	249354	24896	1917271	5786445	3829858	5854045	6060695	206650
202101	249419	24821	1919988	5794529	3835241	5861465	6068770	207305
202102	249436	24753	1923055	5803035	3840683	5868188	6077224	209036
202103	249448	24773	1926316	5813125	3847488	5876498	6087346	210848
202104	249385	24710	1928406	5820637	3852901	5886488	6094732	208244
202201	249543	24590	1930878	5828538	3858316	5899952	6102672	202720
202202	249631	24519	1934282	5838959	3865317	5911665	6113110	201445
202203	249528	24552	1937052	5847492	3871083	5918331	6121572	203241
202204	249558	24471	1938502	5853047	3875211	5926652	6127076	200424
202301	249773	24303	1941222	5860979	3880427	5941102	6135056	193954
202302	249662	24199	1943931	5868079	3884872	5950400	6141941	191541
202303	249435	24185	1946768	5876027	3890023	5952368	6149647	197279
202304	249327	24189	1950097	5885744	3896412	5959960	6159260	199301
202401	249501	24000	1953693	5895891	3902978	5972354	6169392	197038
202402	249477	23896	1956594	5904261	3908453	5978655	6177634	198979
202403	249266	23942	1959362	5912327	3913750	5980818	6185534	204717
202404	249360	23908	1964015	5926610	3923343	5993272	6199878	206607
202501	249271	23734	1964582	5927541	3923751	5986728	6200546	213818
202502	249294	23651	1967341	5934160	3927633	5990793	6207105	216312
202503	248968	23709	1967941	5931362	3924269	5983518	6204039	220521
202504	248878	23668	1969387	5936120	3927588	5982779	6208665	225886

San Diego Gas and Electric: Gas Customer Forecast Model

SDG&E uses regression equations to produce its forecasts of residential and core commercial and industrial (C&I) gas meters. San Diego County housing starts are the primary driver in the residential meter forecast. The core C&I sector is driven by San Diego County nonfarm employment. Meter forecasts for the relatively small numbers of natural gas vehicle facilities, noncore C&I, and electric generation are provided by SDG&E experts in those three sectors. The forecasts for residential and for core C&I meters use historical quarterly data from 1995 through 2025.

VARIABLE DEFINITIONS

ABRTUNS_SD	Total housing starts, annualized, San Diego County
l1_ABRTUNS_SD	Lag variable of ABRTUNS_SD for one quarter
l2_ABRTUNS_SD	Lag variable of ABRTUNS_SD for two quarters
EEASD	Total nonfarm employment, San Diego County
Log_EEASD	Logarithm function of EEASD
METCCISD	Core commercial and industrial meters (exclude NGV, noncore C&I, and EG)
METRESSD	Residential meters
SEASON2	Seasonal dummy variable of the 2nd quarter each year
SEASON3	Seasonal dummy variable of the 3rd quarter each year
SEASON4	Seasonal dummy variable of the 4th quarter each year
dum951	Dummy variable for 1995Q1
dum981	Dummy variable for 1998Q1
dum093	Dummy variable for 2009Q3
dum202	Dummy variable for 2020Q2
dum254	Dummy variable for 2025Q4

EQUATIONS

(Quarterly data from 1995Q1 to 2025Q4)

Residential (Auto Regression)

$$\text{diff}(\text{METRESSD}) = 0.0667 * \text{abrtuns_sd} + 0.0925 * \text{l2_abrtuns_sd} + 1328 * \text{dum951} \\ + 1130 * \text{dum981} + 893 * \text{dum093} - 340 * \text{dum254} + 369 * \text{season4}$$

$$\text{AR}_0 = -0.7525 * \text{AR}_1$$

Core Commercial and Industrial (Auto Regression)

$$\ln(\text{METCCISD}) = 0.0869 * \ln(\text{eeasd}) + 0.0073 * \text{dum202} + 0.0007 * \text{dum254} \\ - 0.0016 * \text{season3} - 0.0022 * \text{season4} + 9.6537$$

$$\text{AR}_0 = -0.9979 * \text{AR}_1$$

Out-of-Model Adjustment for Residential Meters

To reflect reduced growth in new multifuel homes, a reduction of 40% is applied to the new residential meter model forecasted growth annually in the forecast period.

DATA

2028 General Rate Case
 SDG&E Gas Meter Forecast
 Recorded Data Through 2025

Year	RES	Core C&I	Total
1990	641,196	27,492	668,687
1991	650,391	27,617	678,008
1992	657,167	27,521	684,689
1993	661,051	27,443	688,495
1994	665,462	27,354	692,816
1995	672,106	27,252	699,358
1996	680,192	27,259	707,450
1997	690,287	27,443	717,730
1998	702,513	27,624	730,137
1999	715,319	28,016	743,334
2000	727,547	28,564	756,111
2001	739,874	28,932	768,806
2002	753,182	29,223	782,405
2003	765,256	29,474	794,729
2004	775,938	29,686	805,624
2005	788,196	29,768	817,965
2006	798,253	29,680	827,932
2007	805,013	29,861	834,875
2008	808,545	30,154	838,699
2009	812,174	30,115	842,289
2010	817,006	30,143	847,149
2011	821,874	30,109	851,983
2012	826,574	30,085	856,660
2013	831,811	30,022	861,833
2014	835,745	30,011	865,756
2015	839,988	29,986	869,974
2016	845,278	30,020	875,298
2017	850,136	30,079	880,215
2018	855,716	30,127	885,843
2019	861,502	30,246	891,748
2020	867,407	30,168	897,575
2021	873,304	30,163	903,468
2022	877,559	30,347	907,905
2023	881,923	30,502	912,425
2024	886,131	30,662	916,793
2025	888,781	30,739	919,520
2026	891,532	30,784	922,316
2027	894,487	30,781	925,269
2028	897,710	30,777	928,487
2029	901,113	30,779	931,892
2030	904,647	30,783	935,430
2031	908,305	30,778	939,083

Model Quarterly Data

SoCalGas and SDG&E Escalation and Gas Customer Forecast
Test Year 2028 General Rate Case

QUARTER	ABRTJNS_SD	EEASD	METRESSD	METCCISD
199501			669949	27389
199502			671255	27313
199503			672376	27205
199504			674842	27102
199601			677184	27322
199602			678899	27301
199603			680909	27197
199604			683775	27215
199701			686543	27453
199702			688726	27473
199703			691219	27406
199704			694662	27439
199801			698299	27669
199802			700965	27642
199803			703596	27575
199804			707193	27609
199901			711015	27857
199902			713907	28008
199903			716445	28052
199904			719907	28146
200001			723252	28424
200002			725885	28572
200003			728615	28564
200004			732437	28696
200101			735706	28905
200102			738207	28900
200103			740975	28915
200104			744608	29007
200201			748114	29166
200202			751464	29208
200203			755058	29211
200204			758093	29306
200301			761029	29441
200302			763740	29454
200303			766658	29460
200304			769595	29540
200401			771943	29682
200402			774156	29738
200403			776944	29662
200404			780709	29663
200501			784093	29776
200502			786830	29770
200503			789278	29758
200504			792585	29768
200601			795523	29843
200602			797502	29721
200603			798823	29570
200604			801163	29585

SoCalGas and SDG&E Escalation and Gas Customer Forecast
 Test Year 2028 General Rate Case

QUARTER	ABRTUNS SD	EEASD	METRESSD	METCCISD
200701			803418	29760
200702			804392	29850
200703			805455	29869
200704			806788	29966
200801			807675	30095
200802			807979	30186
200803			808587	30170
200804			809938	30164
200901			810763	30188
200902			811153	30117
200903			812577	30081
200904			814203	30073
201001			815292	30069
201002			816471	30143
201003			817527	30206
201004			818736	30153
201101			819644	30131
201102			821163	30127
201103			822795	30108
201104			823894	30070
201201			824746	30110
201202			825641	30129
201203			827261	30079
201204			828648	30024
201301			829951	30055
201302			831314	30036
201303			832435	29988
201304			833544	30008
201401			834550	30060
201402			835353	30039
201403			836064	29980
201404			837012	29965
201501			837918	29997
201502			839343	30001
201503			840529	29975
201504			842161	29972
201601			843324	30020
201602			844322	30005
201603			846037	30023
201604			847429	30033
201701			848432	30062
201702			849392	30070
201703			850389	30072
201704			852331	30112
201801			853719	30152
201802			855028	30131
201803			856238	30131
201804			857879	30096

SoCalGas and SDG&E Escalation and Gas Customer Forecast
 Test Year 2028 General Rate Case

QUARTER	ABRTINS_SD	FEASD	METRESSD	METCCISD
201901			859547	30212
201902			860891	30240
201903			861816	30234
201904			863755	30297
202001			865001	30323
202002			866608	30180
202003			868071	30093
202004			869949	30076
202101			871589	30085
202102			872385	30164
202103			873947	30186
202104			875297	30218
202201			876331	30292
202202			876671	30283
202203			878107	30390
202204			879126	30422
202301			880133	30429
202302			881021	30463
202303			882519	30532
202304			884019	30584
202401			884817	30612
202402			885988	30655
202403			886486	30690
202404			887233	30692
202501			887799	30667
202502			888778	30738
202503			889085	30777
202504			889464	30774