

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**



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11/05/25

12:43 PM

R2409012

Order Instituting Rulemaking to
Establish Policies, Processes, and
Rules to Ensure Safe and Reliable Gas
Systems in California and Perform
Long-Term Gas System Planning.

Rulemaking 24-09-012
(Filed September 26, 2024)

**JOINT RESPONSE OF SOUTHERN CALIFORNIA GAS COMPANY
(U 904 G) AND SAN DIEGO GAS & ELECTRIC COMPANY (U 902 G) ON THE
ADMINISTRATIVE LAW JUDGES' RULING DIRECTING GAS UTILITIES TO
PROVIDE GAS DISTRIBUTION COST DATA**

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Date: November 5, 2025

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

Order Instituting Rulemaking to
Establish Policies, Processes, and
Rules to Ensure Safe and Reliable Gas
Systems in California and Perform
Long-Term Gas System Planning.

Rulemaking 24-09-012
(Filed January 16, 2020)

**JOINT RESPONSE OF SOUTHERN CALIFORNIA GAS COMPANY
(U 904 G) AND SAN DIEGO GAS & ELECTRIC COMPANY (U 902 G) TO THE
ADMINISTRATIVE LAW JUDGES' RULING DIRECTING GAS UTILITIES TO
PROVIDE GAS DISTRIBUTION COST DATA**

Pursuant to the Assigned Law Judges' September 24, 2025, Ruling Directing Gas Utilities to Provide Gas Distribution Cost Data, Southern California Gas Company (SoCalGas) and San Diego Gas & Electric Company (SDG&E) hereby provide the following information responsive to and in conformance with the directions in Appendix 1 of the ALJs' Ruling:¹

- Attachment A: SoCalGas – Distribution Pipeline Replacement Costs
- Attachment B: SoCalGas – Regulator Station Replacement Costs
- Attachment C: SoCalGas – Maintenance Costs
- Attachment D: SDG&E – Distribution Pipeline Replacement Costs
- Attachment E: SDG&E – Regulator Station Replacement Costs
- Attachment F: SDG&E – Maintenance Costs

Respectfully submitted,

By: /s/ Edward L. Hsu
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¹ Pursuant to Rule 1.8(d) of the California Public Utilities Commission's (CPUC or Commission) Rules of Practice and Procedures, counsel for SoCalGas was authorized to submit these Joint Opening Comments on behalf of SDG&E.

ATTACHMENT A

Row ID	Program Category	Row Name	Value	Definition [1]
A1	Main and service replacement programs	Cost per service, for main programs	\$22,439.59	Average cost of gas distribution main and service replacement activities, per service. Also shown in next table, row B8, final column.
A2	Service-only replacement programs	Cost per services replaced, for services only	\$54,865.10	Average cost of replacing gas distribution services only.[2] Also shown in next table, row B1, final column. [3]
A3	Main and service replacement programs	Cost per main mile replaced	\$2,526,059.71	Average cost of gas distribution main and service replacement activities, per mile of main. Also shown in next table, row B9, final column.
A4	Main and service replacement programs	Services per project, for main programs	47.65	Average number of services in a single work order. Also shown in next table, row B10, final column.[4]
A5	Main and service replacement programs	Main program projects per year	924.30	Average work orders per year, totaled across the utility’s main and service replacement programs. Also shown in next table, row B11, final column.
A6	Service-only replacement programs	Services replaced per year, when services only	5087.25	Average number of services replaced by service-only replacement programs.[5] Also shown in next table, row B3, final column.
A7	Both main and service and service-only replacement programs	Annual pipeline replacement expenditures	\$1,267,509,101.60	Total cost across gas distribution replacement programs. Sum of next table’s B5 and B15, final column.[6]
A8	NA	Maintenance cost per service	\$27.32	Average cost of gas distribution pipeline maintenance, per service, not including replacement costs. Also shown in later table, cell G1.
A9	Main and service replacement programs	Project planning period, for main programs	392.40	Average days between the date that the project was identified for replacement and the date that replacement activities broke ground. Also shown in next table, row B21, final column.
A10	Service-only replacement programs	Project planning period, for services only	107.00	Average days between the date that the service(s) was identified for replacement and the date that replacement activities broke ground. Also shown in next table, row B6, final column.

[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

[2] [Note: Footnote From Template] Programs which replace both mains and services sometimes replace services alone, but including those projects would be more challenging to include in this calculation.

[3] "Definition" defines this field as the equivalent to B1, which is calculated as B5/B3 (Total Cost divided by Services Replaced per Year), this value equals the Total Cost across the 4 years (2021-2024) divided by the Average Count of Services replaced for one year. Total Loaded Cost per Total Services Replaced across all 4 years is \$13,719.65.

[4] "Definition" defines the equivalent field as B10 which is calculated as B12/B11 (Services Replaced divided by Main Projects per Year), this value represents the Total Count of Services across the 4 years (2021-2024) divided by the Average Count of Main Projects for one year. Total Services Replaced per Total Main Projects across all 4 years is 11.9.

[5] [Note: Footnote From Template] Note this will be less than the total services replaced annually because mains and services programs can also includes projects which only replace services. However, it would be more challenging to include those in this calculation.

[6] "Row" column asks for "Annual" costs, but "Definition" column asks for the sum of B5 and B15 which are Total Costs (all 4 years). For all values, the "Definition" column is being followed for consistency. This field represents Total Costs across 4 years. The average annual cost is \$316,877,275.40.

Row ID	Program Category	Row Name	Definition [1]	Base Capital Main and Service Replacements - BC 252, 254, 255, 267	DIMP DREAMS Main and Service Replacements - BC 277	Total or Average
C1	Main and service replacement programs	<i>Cost per service, for main programs</i>	Average cost of gas distribution main and service replacement activities, per service. Calculated by dividing C8 by C5.	\$42,310.93	\$21,266.67	\$22,439.59
C2	Main and service replacement programs	Cost per main mile replaced	Average cost of gas distribution main and service replacement activities [2], per mile of main. Calculated by dividing C8 by C6.			\$2,526,059.71
C3	Main and service replacement programs	Services per project, for main programs	Average number of services in a single work order. Calculated by dividing C5 by C4. [3]			\$47.65
C4	Main and service replacement programs	Main program projects per year	Average work orders per year, totalled across the utility’s main and service replacement programs.			924.3
C5	Main and service replacement programs	Services addressed by main programs	Total services connected to mains replaced by main and service replacement programs, whether or not the service was replaced by the project.			44047
C6	Main and service replacement programs	Main miles replaced	Total miles of main replaced by main and service replacement program work orders.[4]			391.28
C7	Main and service replacement programs	Service miles replaced, for main programs	Total miles of service replaced by main and service replacement program work orders.			456.98
C8	Main and service replacement programs	Total costs, for main programs	Total costs of main and service replacement program work orders. Calculated by summing C9, C10, C11, and C12.	\$103,873,324.53	\$884,523,318.29	\$988,396,642.82

	Main and service replacement programs	Cost Group				
C9	Main and service replacement programs	Internal Labor and Related Costs	Sum of salaries of utility employees; benefits (health, retirement, disability, etc.) associated with utility employee labor; employee travel costs, including meals, lodging, mileage, per diem, incidentals, and any other travel costs; and payroll taxes.	\$22,096,712.15	\$136,543,138.14	\$158,639,850.29
C10	Main and service replacement programs	External Labor and Related Costs	Combine “external labor” and contracts costs. Includes contracts for services and for employees. Include equipment rental here.			
C11	Main and service replacement programs	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.			
C12	Main and service replacement programs	Other Misc Costs	Sum of costs in the cost categories “Fleet,” “Permitting,” “AFUDC,” “Land,” “Other,” and “Administrative & General Costs” as defined in “Definitions of Other Misc Costs.”			
C13	Main and service replacement programs	Costs Excluded from Budget Code	Include any and all costs that are recorded within C9, C10, C11 or C12 and are not recorded within the program's budget code for rate case purposes. For example, this may include field capital support for some utilities. Thus, this total, if not zero, will overlap with the cost categories shown above.	NA	NA	NA
C14	Main and service replacement programs	Project planning period, for main programs	Average days between the date that the project was identified for replacement and the date that replacement activities broke ground.	148.59	450.48	392.4

C15	Main and service replacement programs	Project time to completion, for main programs	Average days between the date that the project was identified for replacement and the date that the replacement equipment was placed in operation.	230.1	530.98	472.46
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[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

[2] [Note: Footnote From Template] Programs which replace both mains and services sometimes replace services alone, but including those projects would be onerous to include in this calculation.

[3] "Definition" defines this field as C5/C4 (Services Replaced divided by Main Projects per Year), this value represents the Total Count of Services across the 4 years (2021-2024) divided by the Average Count of Main Projects for one year. Company wide Total Services Replaced per Total Main Projects across all 4 years is 11.9.

[4] [Note: Footnote From Template] Note this will be an undercount because mains and services programs can also includes projects which only replace services. However, it would be more challenging to include those in this calculation.

Summary

- a. In the tab "Summary," provide the rows of information shown. In the first column, provide the Row ID, as shown; in the second column, provide the Program Category, as shown; in the third column, provide the Row Name, as shown; in the fourth column, provide the value, calculated as described in the definition, averaged across the years; and in the fifth column, provide the Definition, as shown.

Costs by Operating District

- b. In the tab "Costs by Operating District," provide the program accomplishments and costs shown (rows), broken down by operating district (columns). In the first four columns, provide the Row ID, Program Category, Row Name and Definition, as shown. Next provide a column for each operating district, with the heading stating the district's name and ID number, and in it, include only the information for work orders in that operating district. In the last column, provide the information across all operating districts (totals unless definition is an average, in which case provide average across all operating districts). For each row, include only information for the programs specified in the "Program Category."

Values for B8 through B15 in the last column should match with values for C1 through C8 in the last column in the tab "Utility-Wide Costs by Program."

Utility-Wide Costs by Program

- c. In the tab, "Utility-Wide Costs by Program," provide the program accomplishments and costs shown (rows), broken down by programs (columns). In the first four columns, provide the Row ID, Program Category, Row Name and Definition, as shown. Next provide a column for each program, and in it, include only the information for work orders in that program. Include all the costs for work orders associated with the program, even if these costs are not recorded under the work order or program. In the last column, provide the information across all programs (totals unless definition is an average, in which case provide average across all programs shown in preceding columns).

1. *Definitions*

For the data required in this template, use the following definitions unless otherwise stated:

- a. Data time period: Annual for calendar years 2021-2024, averaged across these four years.
- b. Main and service replacement programs:
 - i. PG&E: Plastic Pipeline Replacement Program (MAT Code 14D) (which covers aldy-A); Gas Pipeline Replacement Program (14A) (which covers pre-1941 steel); Reliability Main Replacement Program (50A)
 - ii. SoCalGas/SDG&E: Vintage Integrity Plastic Plan (within Budget Code 277); Bare Steel Replacement Plan (within 277) (which covers pre-1972 steel without cathodic protection); Main Replacement Programs (252, 253, 255, 267, 278[1])
 - iii. Southwest Gas: Targeted Pipe Replacement Program (which covers Driscopipe 7000 plastic[2]) (within budget code 9636); Vintage Steel Program (which covers pre-1961 steel) (within 9636 and 9605)
- c. Service-only replacement programs:
 - i. PG&E: Reliability Service Replacement Program (50B)
 - ii. SoCalGas/SDG&E: Service Replacement Programs (256, 257, 258, 260)
 - iii. Southwest Gas: Customer-Owned Yard Line Program (school and non-school locations)
 - iv. Regulator station replacement programs: PG&E: Regulator Station Rebuilds (50C)
 - v. SoCalGas/SDG&E: rebuilds/replacements within Regulator Stations Program (within budget code 265; exclude non-replacement activities not addressed here)
- d. Operating Districts:[3]
 - i. PG&E: provide name and number of 18 divisions.[4]
 - ii. SoCalGas: provide name and number of about 50 gas districts.[5]
 - iii. SDG&E: provide name and number of 5 districts.[6]
 - iv. Southwest Gas: provide name and number of 7 districts.[7]
- e. Work order: Common identifier used by the gas utility to track gas infrastructure work at a given location. For example, the replacement of five adjacent services and the mains serving them typically would be tracked as one work order. The term “project” is also used in this document to refer to a work order.

f. Costs: Provide the costs for all work orders associated with the program, as recorded for the applicable years. That is, state the amount totaled across the program's work orders. Include costs under the year they were incurred. Include all the costs described in the cost category, regardless of what budget code they are recorded under.

g. Pressure District: Set of customer meters, services and mains that together depends on one or more gas distribution regulator stations, and not on other gas distribution regulator stations.[8] Note that operating districts and pressure districts are not the same.

i. SoCalGas: about 750 pressure systems.[9]

ii. PG&E: about 1200 hydraulically independent systems.[10]

iii. Southwest Gas: Fewer systems due to smaller footprint in California.

h. Pressure Category: Describes the pressure in a pressure district or the outgoing pressure from a regulator station that serves a pressure district.[11]

i. Medium-pressure: pressure of 1 through 60 psig, and the regulator station is not "HPR-type"

ii. Low-pressure: pressure less than 1 psig

[1] Workpaper includes these codes within work group 252. Southern California Gas Company, submitted in SoCalGas General Rate Case A.22-05-015 for years 2024-2027, Work Unit/ Activity Level Estimates, SCG-04-CWP-R_Mario_Aguirre-Gas_Distribution_49456.pdf, pp. 45 &ff.

[2] Driscopipe 7000 was installed in 1974-1980. See Prepared Direct Testimony of Kevin Lang on behalf of Southwest Gas Corporation, submitted in Southwest Gas General Rate Case A.22-05-015, August 2019, <https://docs.cpuc.ca.gov/PublishedDocs/SupDoc/A1908015/2695/338276400.pdf>, p. 5.

[3] Consistent definitions were used for Operating District in Gas System Census Tract Data, filed by gas utilities in response to Administrative Law Judge's Ruling Seeking Data from Gas Utilities in R.24-09-012, January 13, 14, and 17, 2024, posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>. See definitions in Administrative Law Judge's Ruling Seeking Revised Data from Gas Utilities in R.20-01-007, September 22, 2022, <https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/rulings/revisedgassystemdataruling09212022.pdf>, also available on the CPUC's R.20-01-007 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[4] PG&E's 18 Divisions have been reported as: Diablo, East Bay, Mission, Peninsula, De Anza, San Jose, San Francisco, Central Coast, Fresno, Kern, Stockton, Yosemite, North Bay, Sonoma, Humboldt, Northern Valley, Sacramento, and Sierra. For 14A and 14D distribution pipeline replacement contracts, these divisions are used as bid areas, while for some other contract types they may be combined into 8 larger bid areas.

[5] SoCalGas' 50 districts have been reported as: Orange Coast – Azusa, Anaheim, Alhambra, Aliso Viejo, Downey, Garden Grove, Industry, La Jolla, Pasadena, Santa Ana, Whittier (group 1); Inland – Beaumont, Corona, Chino, Fontana, Murrieta, Ramona, Redlands, Rim Forest, Riverside, San Bernardino (group 2); Inland Desert – Blythe, El Centro, Palm Desert, Yucca Valley (group 3); Lower Los Angeles – 182nd, Belvedere, Crenshaw, Compton, Hollywood, Huntington Park, Juanita, Santa Monica, San Pedro (group 4); Upper Los Angeles/SFV – Branford, Canoga Park, Chatsworth, Glendale, Lancaster, Mojave, Simi Valley, Saticoy, Valencia (group 5); Central Coast - Goleta, Ventura/Oxnard, Santa Barbara, Santa Maria, San Luis Obispo, Templeton (group 6); and San Joaquin Valley – Bakersfield, and Visalia (group 7). The groupings are used for some contract cost purposes.

[6] SDG&E's five districts are Beach Cities, Eastern, Metro, North Coast, and Northeast.

[7] Southwest Gas' seven districts are: District 11-Barstow; District 12-Victorville; District 13-Big Bear; District 14-North Lake Tahoe; District 15-Truckee; District 16-South Lake Tahoe; District 19-Needles.

[8] Pressure districts are also discussed in Recommendations for SB 1221 California Natural Gas System Mapping, CPUC Energy Division Staff Proposal, February 20, 2025, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897432.PDF>, p. 15. For additional background on pressure zones, see DeWitte, Tom and Coolidge, Tom, Understanding Pressure Zones, April 2024, <https://community.esri.com/t5/gas-and-pipeline-blog/understanding-pressure-zones/ba-p/1416830>.

[9] SoCalGas provided pressure district data including meters served and overlapping census tracts per ruling in proceeding R.20-01-007, now available as “demand nodes csv” and “May 20 demand nodes csv” on the “Long Term Gas Planning Rulemaking-Closed” webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[10] Recommendations for SB 1221 California Natural Gas System Mapping, p. 15. See also Gas System Census Tract Data Notes, filed by PG&E in response to Administrative Law Judge's Ruling Seeking Data from Gas Utilities in R.24-09-012, January 13, 2024, https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/pge/gassystemcensustractdatanotes_pgne.pdf, p. B-18, also posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>.

[11] Exclude HPR-type regulators from this analysis. “HPR-type” means reduces to pressure of 1 through 60 psig and is an “HPR-type” regulator station or a district served by such a station. “HPR-type” refers to a regulator station that uses any of the following spring-operated regulators: Fisher 621, Fisher 627, Fisher 630, Reliance Model HPR 10, Reliance Model HPR 20, Reliance Model HPR 268, Rockwell 141, Rockwell 141A, Rockwell 041, Sprague/Itron B35. HPR-type regulators are excluded because they are smaller and simpler than medium-pressure and low-pressure regulators. These definitions align with regulator station categories proposed in Appendix B Direction to Utilities Draft for Comment, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897318.PDF>. Transmission-level regulator stations are not included.

Cost Group	Cost Category	Definition
Other Misc Costs	Fleet	Use of utility-owned vehicles.
Other Misc Costs	Permitting	Costs of acquiring local permits.
Other Misc Costs	AFUDC	Allowance funds used during construction. Refers to the costs of construction-related borrowing.
Other Misc Costs	Land	Payments for easements or right-of-way.
Other Misc Costs	Other	Include utility-owned and utility-rented building and facilities overhead; taxes other than payroll; discounts from contractors; minor materials, e.g. fuel, office supplies and safety equipment; shipping and hazardous waste costs; and other minor costs associated with these activities. Also include these gas distribution replacement activities' share of the cost of capital tools, e.g., pipe cutting and tapping equipment.
Other Misc Costs	Administrative & General Costs	Exclude permitting. Include other capitalized A&G costs. Note this tends to be a relatively large category.

ATTACHMENT B

Row ID	Program Category	Row Name	Value	Definition [1]
D1	Regulator station replacement programs	Cost per service, for regulator station replacement	\$292.85	Average cost of replacing gas distribution regulator stations, per service. Also shown in next table, row E1, final column.
D2	Regulator station replacement programs	Cost per customer meter, for regulator station replacement	\$285.00	Average cost of replacing gas distribution regulator stations, per meter. Also shown in next table, row E2, final column.
D3	Regulator station replacement programs	Cost per regulator station replaced	\$2,598,272.60	Average cost of replacing a gas distribution regulator station. Also shown in next table, row E3, final column.[2]
D4	Regulator station replacement programs	Services per station, for replaced regulator stations	8,872.41	Average number of services served by a replaced regulator station. Also shown in next table, row E4, final column.
D5	Regulator station replacement programs	Meters per station, for replaced regulator stations	9,116.88	Average number of meters[3] served by a replaced regulator station. Also shown in next table, row E5, final column.
D6	Regulator station replacement programs	Regulator stations replaced per year	7.50	Average regulator stations replaced per year. Also shown in next table, row E6, final column.
D7	Regulator station replacement programs	Services affected by replaced regulator stations	66,543.11	Services served by replaced regulator stations. Also shown in next table, row E7, final column.
D8	Regulator station replacement programs	Meters affected by replaced regulator stations	68,376.58	Meters served by replaced regulator stations. Also shown in next table, row E8, final column.
D9	Regulator station replacement programs	Total costs, for regulator station replacement	\$19,487,044.51	Total costs of regulator station replacement program work orders. Also shown in next table, row E9, final column.

D10	NA	<i>Maintenance cost per regulator station</i>	\$1,474.38	Average cost of regulator station maintenance, per service, not including replacement costs. Also shown in later table, cell H1.
D11	Regulator station replacement programs	<i>Project planning period, for regulator station replacement</i>	583.90	Average days between the date that the regulator station was identified for replacement and the date that replacement activities broke ground. Also shown in next table, row E14, final column.

[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

[2] "Definition" defines this field as the equivalent to E3, which is calculated as E9/E6 (Total Cost divided by Regulator Stations Replaced per Year), this value equals the Total Cost across the 4 years (2021-2024) divided by the Average Count of Regulator Stations replaced for one year. Total Loaded Cost per Total Regulator Stations Replaced across all 4 years is \$649,568.15.

[3] [Note: Footnote From Template] Meters analogous to “customers” reported in existing data.

Row ID	Program Category	Row Name	Definition [1]	182ND STREET	CHINO	COMPTON	CORONA	FONTANA	GARDEN GROVE	HOLLYWOOD	JUANITA	MURRIETA	PALM DESERT	RIVERSIDE	SAN BERNARDINO	SAN PEDRO	SANTA MONICA	VISALIA	YUCCA	Total or Average
E1	Regulator station replacement programs	Cost per service, for regulator station replacement	Average cost of replacing gas distribution regulator stations, per service. Calculated by dividing E9 by E7.	\$78.88	\$485.13	\$222.73	\$138.86	\$683.07	\$192.57	\$197.67	\$65.67	\$151.30	\$318.85	\$220.88	\$658.64	\$385.96	\$2,249.14	\$2,992.65	\$15,976.78	\$292.85
E2	Regulator station replacement programs	Cost per customer meter, for regulator station replacement	Average cost of replacing gas distribution regulator stations, per meter. Calculated by dividing E9 by E8.	\$77.59	\$476.32	\$218.30	\$133.49	\$676.61	\$186.27	\$194.40	\$64.58	\$147.64	\$316.24	\$215.18	\$641.99	\$332.37	\$2,249.14	\$2,952.39	\$15,187.81	285
E3	Regulator station replacement programs	Cost per regulator station replaced	Average cost of replacing a gas distribution regulator station. Calculated by dividing E9 by E6. [3]	\$1,934,062.00	\$5,918,687.10	\$1,933,714.67	\$2,498,399.04	\$4,862,085.80	\$6,571,091.96	\$2,419,265.64	\$1,607,388.08	\$1,485,532.96	\$2,473,644.46	\$2,415,685.60	\$1,665,946.86	\$1,930,415.74	\$1,434,952.72	\$2,633,527.74	\$4,920,848.96	\$2,598,272.60
E4	Regulator station replacement programs	Services per station, for replaced regulator stations	Average number of services served by a replaced regulator station. Calculated by dividing E7 by E6. [4]	24518	12200	8682	17992	7118	34123	12239	24478	9818	7758	10937	2529	5002	638	880	308	8872
E5	Regulator station replacement programs	Meters per station, for replaced regulator stations	Average number of meters served by a replaced regulator station. Calculated by dividing E8 by E6. [5]	24928	12426	8858	18717	7186	35277	12445	24889	10062	7822	11226	2595	5808	638	892	324	9117
E6	Regulator station replacement programs	Regulator stations replaced per year	Average regulator stations replaced per year.	0.25	0.5	0.75	0.25	0.25	0.25	0.5	0.25	0.5	0.5	0.5	1.25	0.5	0.5	0.5	0.25	7.5
E7	Regulator station replacement programs	Services affected by replaced regulator stations	Average number of services served by replaced regulator stations. In cases where a pressure district is served by more than one regulator station, include only the replaced regulator station's share of the pressure district's services in the calculation.[2]	6130	6100	6511	4498	1780	8531	6119	6119	4909	3879	5468	3162	2501	319	440	77	66543
E8	Regulator station replacement programs	Meters affected by replaced regulator stations	Average number of meters served by replaced regulator stations. In cases where a pressure district is served by more than one regulator station, include only the replaced regulator station's share of the pressure district's meters in the calculation.[6]	6232	6213	6644	4679	1797	8819	6222	6222	5031	3911	5613	3244	2904	319	446	81	68377
E9	Regulator station replacement programs	Total costs, for regulator station replacement	Total costs of regulator station replacement program work orders. Calculated by summing E10, E11, E12 and E13.	\$483,515.50	\$2,959,343.55	\$1,450,286.00	\$624,599.76	\$1,215,521.45	\$1,642,772.99	\$1,209,632.82	\$401,847.02	\$742,766.48	\$1,236,822.23	\$1,207,842.80	\$2,082,433.57	\$965,207.87	\$717,476.36	\$1,316,763.87	\$1,230,212.24	\$19,487,044.51
	Regulator station replacement programs	Cost Group																		
E10	Regulator station replacement programs	Internal Labor and Related Costs	Sum of salaries of utility employees; benefits (health, retirement, disability, etc.) associated with utility employee labor; employee travel costs, including meals, lodging, mileage, per diem, incidentals, and any other travel costs; and payroll taxes.	\$116,698.31	\$319,692.16	\$402,623.97	\$67,392.13	\$304,617.02	\$183,465.46	\$154,104.92	\$93,712.22	\$102,875.48	\$159,231.50	\$145,228.65	\$345,045.24	\$238,593.43	\$139,912.18	\$289,034.70	\$146,940.54	\$3,209,167.91
E11	Regulator station replacement programs	External Labor and Related Costs	Combine "external labor" and contracts costs. Includes contracts for services and for employees. Include equipment rental here.	\$129,656.55	\$115,232.14	\$396,821.90	\$24,421.21	\$434,953.03	\$3,680.31	\$138,569.81	\$136,553.03	\$220,280.62	\$348,815.85	\$81,692.96	\$959,827.35	\$361,731.43	\$302,678.73	\$205,403.88	\$151,593.77	\$4,011,912.57
E12	Regulator station replacement programs	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.	\$82,444.08	\$253,402.35	\$233,571.98	\$66,337.21	\$145,903.76	\$141,785.04	\$156,090.67	\$55,759.91	\$96,965.51	\$271,287.37	\$201,955.30	\$392,162.00	\$129,974.19	\$133,079.31	\$178,757.98	\$101,192.53	\$2,640,669.19
E13	Regulator station replacement programs	Other Misc Costs	Sum of costs in the cost categories "Fleet," "Permitting," "AFUDC," "Land," "Other," and "Administrative & General Costs" as defined above.	\$154,716.56	\$2,271,016.90	\$417,268.15	\$466,449.21	\$330,047.64	\$1,313,842.18	\$760,867.42	\$115,821.86	\$322,644.87	\$457,487.51	\$778,965.89	\$385,398.98	\$234,908.82	\$141,806.14	\$643,567.31	\$830,485.40	\$9,625,294.84
E14	Regulator station replacement programs	<i>Project planning period, for regulator station replacement</i>	Average days between the date that the regulator station was identified for replacement and the date that replacement activities broke ground.	273	437.5	527.33	428	825	1028	398	272	393	1489.5	347	355.6	449	682.5	423	1014	583.90
E15	Regulator station replacement programs	Project time to completion, for regulator station replacement	Average days between the date that the regulator station was identified for replacement and the date that the replacement station was placed in operation.	317	545.5	802.33	497	887	1133	462.5	449	614	1636.5	382	422	1267	725	532.5	1172	740.27

[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

[2] [Note: Footnote From Template] If all regulator stations in a pressure district serve an equal number of services, then that value would be shown in F2 for that pressure district.

[3] "Definition" defines this field as E9/E6 (Total Cost divided by Regulator Stations Replaced per Year), this value equals the Total Cost across the 4 years (2021-2024) divided by the Average Count of Regulator Stations replaced for one year. Total Loaded Cost per Total Regulator Stations Replaced across all 4 years is \$649,568.15.

[4] "Definition" defines this field as E7/E6 (Count of Services Served divided by Regulator Stations Replaced per Year), this value equals the Total Count of Services Served across the 4 years (2021-2024) divided by the Average Count of Regulator Stations replaced for one year. Total Services Served per Total Regulator Stations Replaced across all 4 years is 2218.

[5] "Definition" defines this field as E8/E6 (Count of Meters Affected divided by Regulator Stations Replaced per Year), this value equals the Total Count of Meters Affected across the 4 years (2021-2024) divided by the Average Count of Regulator Stations replaced for one year. Total Meters Affected per Total Regulator Stations Replaced across all 4 years is 2279.

[6] [Note: Footnote From Template] If all regulator stations in a pressure district serve an equal number of meters, then that value would be shown in F3 for that pressure district.

Column ID	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
Column Name	Pressure district	<i>Services per regulator station</i>	<i>Meters per regulator station</i>	Regulator stations	Regulator stations identified for replacement	Pressure category	Services served	Meters served	Core meters served	Non-core meters served	Operating district	Census tracts
Definition	ID number for the pressure district.	Average number of services served by regulator stations in the pressure district. Calculated by dividing F7 by F4.	Average number of meters served by regulator stations in the pressure district. Calculated by dividing F8 by F4.	Number of gas distribution regulator stations immediately serving the pressure district.	Regulator stations whose replacement is forecast to begin during the next ten years, identified consistent with each utility’s existing project selection methods, at an annual replacement rate consistent with the rates approved in each utility’s most recently adopted general rate case decision.	“Medium-pressure” or “low-pressure.”	Number of customer services connected to the pressure district.	Number of customer meters connected to the pressure district. Sum of F9 and F10.	Number of core customer meters connected to the pressure district.	Number of non-core customer meters connected to the pressure district.	Name and ID number of the operating district that the pressure district is in.	ID numbers of all 2020 census tracts overlapping the district.
	41001	3456	3469	1		Medium Pressure	3456	3469	3187	0	PALM DESERT	6065940600, 6065044505, 6065044520
	41002	2119	2148	1	Station ID #: 446	Medium Pressure	2119	2148	1871	0	YUCCA VALLEY	6071010415, 6071010434, 6071010433
	41003	2925	3681	1		Medium Pressure	2925	3681	3109	0	YUCCA VALLEY	6071010415, 6071010434, 6071010433, 6071010426, 6071010422
	41004	77	81	1		Medium Pressure	77	81	72	0	YUCCA VALLEY	6071010415, 6071010432
	41006	37	37	1		Medium Pressure	37	37	35	0	YUCCA VALLEY	6071010432
	41007	54	55	1	Station ID #: 1334	Medium Pressure	54	55	36	0	SAN BERNARDINO	6071009133
	41009	2695	2706	2		Medium Pressure	5389	5411	5310	0	BEAUMONT	6065043824, 6065043822, 6065043823
	41010	2206	2656	2		Medium Pressure	4412	5312	4038	1	BLYTHE	6065045900, 6065046103, 6065046200, 6065046101, 6065046102, 6065046900, 6065047000
	41012	243	247	1		Medium Pressure	243	247	202	0	BLYTHE	6065047000
	41013	3788	4150	2		Medium Pressure	7576	8300	7299	1	EL CENTRO	6025010600, 6025010401, 6025010402, 6025010500, 6025010700, 6025010300
	41014	2	4	1		Medium Pressure	2	4	2	0	EL CENTRO	6025010402, 6025010300
	41017	518	532	3		Medium Pressure	1555	1595	1206	2	BEAUMONT	6065043813
	41018	9027	9695	1		Medium Pressure	9027	9695	9005	1	EL CENTRO	6025012001, 6025011901, 6025012102, 6025012003, 6025011903, 6025011902, 6025012004, 6025012101, 6025012202, 6025012201
	41019	5	10	1		Medium Pressure	5	10	1	0	BEAUMONT	6065043824, 6065043823
	41020	76	76	1		Medium Pressure	76	76	63	0	SAN BERNARDINO	6071008714
	41022	814	1011	1		Medium Pressure	814	1011	900	0	EL CENTRO	6025010102, 6025010101
	41023	93	107	1		Medium Pressure	93	107	53	0	SAN BERNARDINO	6071010805, 6071011002
	41029	19	19	1		Medium Pressure	19	19	16	0	BLYTHE	6065046900

	41032	2322	2357	4	Station ID #: 1005	Medium Pressure	9288	9428	7992	3	FONTANA, SAN BERNARDINO	6071006700, 6071006601, 6071005701, 6071006604, 6071006603, 6071004403, 6071004404, 6071006501, 6071004902, 6071004901, 6071007002, 6071007001, 6071005800, 6071012400
	41033	1780	1797	2		Medium Pressure	3559	3593	3174	0	FONTANA, SAN BERNARDINO	6071006700, 6071006601, 6071006603, 6071007002, 6071007001, 6071012400, 6071012500
	41034	1082	1113	1		Medium Pressure	1082	1113	947	0	FONTANA	6071004004, 6071012500
	41035	25	25	1		Medium Pressure	25	25	19	0	FONTANA	6071003612
	41038	43	43	1		Medium Pressure	43	43	18	0	FONTANA, SAN BERNARDINO	6071012400
	41039	339	355	2	Station ID #: 499	Medium Pressure	677	710	586	1	FONTANA, RIVERSIDE	6065040101, 6071004004, 6071004003
	41040	17	17	1		Medium Pressure	17	17	16	0	YUCCA VALLEY	6071010432
	41041	13	13	1		Medium Pressure	13	13	9	0	YUCCA VALLEY	6071010432
	41042	4498	4679	16	Station ID #: 0014B, 253	Medium Pressure	71968	74866	69862	13	CORONA, RIVERSIDE	6065041913, 6065041804, 6065041805, 6065041807, 6065041808, 6065041414, 6065041914, 6065041601, 6065041915, 6065047902, 6065041806, 6065041909, 6065041703, 6065041500, 6065041904, 6065040902, 6065040812, 6065040815, 6065040816, 6065046601, 6065048200, 6065040821, 6065041411, 6065041412, 6065041702, 6065041704, 6065041803
	41043	2092	2092	1		Medium Pressure	2092	2092	2041	0	CORONA	6065043007, 6065042007
	41044	2315	2329	3		Medium Pressure	6945	6986	6455	0	RIM FOREST	6071011004, 6071010805, 6071010806, 6071010803, 6071010804

	41045	3879	3911	4		Medium Pressure	15516	15644	14185	0	PALM DESERT	6065044516, 6065044524, 6065044523, 6065044507, 6065044510, 6065047201, 6065044515, 6065044509, 6065044518, 6065044517, 6065047202
	41046	51	51	1		Medium Pressure	51	51	49	0	PALM DESERT	6065044524, 6065044523, 6065044520
	41047	24	24	1	Station ID #: 564	Medium Pressure	24	24	18	0	PALM DESERT	6065044524, 6065044507
	41048	524	524	1	Station ID #: 1350	Medium Pressure	524	524	475	0	SAN BERNARDINO	6071004503, 6071002706, 6071010805
	41049	3350	3490	1	Station ID #: 1249	Medium Pressure	3350	3490	3374	0	SAN BERNARDINO	6071004601, 6071004503, 6071004511, 6071002706, 6071004512
	41050	202	217	1		Medium Pressure	202	217	141	0	BLYTHE	6065046900
	41051	4414	4825	2		Medium Pressure	8828	9650	8482	1	EL CENTRO	6025011201, 6025011302, 6025011500, 6025011202, 6025011400, 6025011600, 6025011700, 6025011801, 6025011802
	41053	2304	2422	3		Medium Pressure	6912	7266	6975	0	EL CENTRO	6025011201, 6025011001, 6025011002, 6025011303, 6025011202
	41058	18	18	1		Medium Pressure	18	18	10	0	SAN BERNARDINO	6071009133, 6071009134
	41060	1295	1299	1		Medium Pressure	1295	1299	1252	0	MURRIETA	6065043279, 6065043274
	41061	3669	3837	1		Medium Pressure	3669	3837	3736	0	MURRIETA	6065042733, 6065042748, 6065042743, 6065046404, 6065042714, 6065043274

	41062	6100	6213	57	Station ID #: 1288	Medium Pressure	347705	354135	332781	56	CORONA, INDUSTRY, FONTANA, SAN BERNARDINO, RIVERSIDE, LA JOLLA, AZUSA, CHINO	6071003506, 6071000404, 6071000115, 6071002031, 6071000821, 6037403317, 6071002204, 6071001600, 6071000111, 6071000109, 6071000812, 6071000104, 6059021832, 6065040622, 6065040618, 6065040619, 6065040617, 6065040620, 6065040621, 6071004401, 6071000826, 6071000824, 6071000818, 6071000904, 6071001104, 6071000823, 6071000503
	41065	2	162	1		Medium Pressure	2	162	152	0	RAMONA	6065042720
	41066	1671	1682	1		Medium Pressure	1671	1682	1602	0	RAMONA	6065042745, 6065042723
	41067	1620	1788	1		Medium Pressure	1620	1788	1674	0	EL CENTRO	6025011303, 6025011901, 6025011301
	41068	822	903	2		Medium Pressure	1644	1806	1735	0	EL CENTRO	6025011803, 6025011302, 6025011303, 6025011100
	41069	6396	6521	9	Station ID #: 507	Medium Pressure	57561	58691	54516	5	RAMONA	6065042745, 6065043524, 6065043521, 6065043522, 6065043523, 6065043519, 6065051302, 6065051301, 6065043518, 6065043701, 6065043509, 6065941500, 6065042744, 6065043316, 6065043512, 6065043602, 6065043304, 6065043306, 6065043307, 6065043308, 6065043309, 6065043310, 6065043311, 6065043312, 6065043313, 6065043314, 6065043315
	41071	43	43	1		Medium Pressure	43	43	40	0	PALM DESERT	6065044520
	41072	918	922	4		Medium Pressure	3673	3688	3458	0	RAMONA, FONTANA, RIVERSIDE	6071007104, 6065042214, 6065042412, 6071007106, 6065042300, 6065042209
	41074	1343	1391	1		Medium Pressure	1343	1391	1230	0	EL CENTRO	6025010800, 6025010900

	41075	1853	1918	1		Medium Pressure	1853	1918	1777	0	RAMONA	6065042745, 6065042720, 6065042723
	41080	106	106	1		Medium Pressure	106	106	96	0	PALM DESERT	6065940400, 6065045222
	41083	3206	3224	3		Medium Pressure	9617	9671	9324	0	PALM DESERT, PALM DESERT	6065045306, 6065045305, 6065045216, 6065049400, 6065045303, 6065045209, 6065045302, 6065045222, 6065045228, 6065045217, 6065049400
	41084	5029	5581	10		Medium Pressure	50291	55813	52428	2	PALM DESERT	6065045128, 6065045613, 6065049101, 6065045614, 6065045235, 6065049102, 6065045234, 6065045129, 6065049501, 6065049502, 6065045708, 6065045616, 6065045617, 6065045615, 6065045709, 6065045212, 6065045213, 6065045214, 6065045224, 6065045226, 6065045233, 6065045606, 6065049400, 6065045110, 6065045120, 6065940400, 6065045707
	41089	1668	1701	1		Medium Pressure	1668	1701	1376	0	YUCCA VALLEY	6071010420, 6071010419
	41090	15	15	1		Medium Pressure	15	15	7	0	YUCCA VALLEY	6071010420
	41091	23	27	1		Medium Pressure	23	27	23	0	YUCCA VALLEY	6071010431, 6071010432
	41092	418	418	1		Medium Pressure	418	418	360	0	YUCCA VALLEY	6071010419
	41093	3	3	1		Medium Pressure	3	3	2	0	YUCCA VALLEY	6071010419
	41094	14	14	1		Medium Pressure	14	14	8	0	YUCCA VALLEY	6071010420, 6071010419
	41095	3	3	1		Medium Pressure	3	3	3	0	YUCCA VALLEY	6071010431
	41098	3603	3663	3	Station ID #: 1125	Medium Pressure	10808	10989	10150	0	RIM FOREST	6071010905, 6071010906, 6071011004, 6071011003, 6071010903, 6071010904, 6071010805, 6071011002, 6071010803
	41100	1090	1549	1		Medium Pressure	1090	1549	1490	0	PALM DESERT	6065045611, 6065045612, 6065045610

	41103	6329	6552	10		Medium Pressure	63293	65519	62013	6	RAMONA, RIVERSIDE	6065042624, 6065042624, 6065042622, 6065042622, 6065050901, 6065049002, 6065050902, 6065042629, 6065049001, 6065042522, 6065042523, 6065042625, 6065042630, 6065042214, 6065042206, 6065042401, 6065042521, 6065042412, 6065042516, 6065042511, 6065048800, 6065048300, 6065048700, 6065042514, 6065042515, 6065042517, 6065042513
	41105	6	6	1		Medium Pressure	6	6	6	0	RAMONA	6065043822
	41106	661	661	1		Medium Pressure	661	661	567	0	YUCCA VALLEY	6071010417
	41107	4	4	1		Medium Pressure	4	4	3	0	YUCCA VALLEY	6071010417
	41108	7	7	1		Medium Pressure	7	7	5	0	YUCCA VALLEY	6071010417
	41111	28	28	1		Medium Pressure	28	28	19	0	PALM DESERT	6065044524
	41112	92	105	2		Medium Pressure	183	209	129	0	PALM DESERT	6065044524, 6065044507
	41113	431	486	1		Medium Pressure	431	486	267	1	EL CENTRO	6025010102, 6025010101
	41114	1418	1420	1		Medium Pressure	1418	1420	1416	0	RAMONA	6065042747, 6065042626
	41115	1217	1250	2		Medium Pressure	2434	2499	2314	0	RAMONA	6065042730, 6065042720, 6065042744, 6065042719, 6065042626, 6065042623
	41116	362	364	1		Medium Pressure	362	364	253	0	BLYTHE	6065046900
	41117	2725	2829	3		Medium Pressure	8176	8486	7647	0	PALM DESERT	6065045117, 6065045115, 6065045114, 6065045116, 6065045125, 6065045124
	41119	3802	3809	2		Medium Pressure	7603	7617	7342	0	PALM DESERT, PALM DESERT	6065051401, 6065051402, 6065045216, 6065049400, 6065044520, 6065045228, 6065049400

	41120	4272	4559	13		Medium Pressure	55535	59262	54125	6	PALM DESERT, MURRIETA, RIM FOREST	6065044933, 6065044934, 6065941002, 6065941001, 6065044807, 6065044605, 6065043227, 6065941200, 6065940600, 6065044926, 6065940700, 6065940800, 6065940900, 6065941100, 6065941300, 6065941400, 6065045103, 6065044602, 6065044604, 6065044701, 6065044921, 6065044922, 6065044931, 6065044932, 6065044917, 6065044918, 6065044923
	41124	60	60	1		Medium Pressure	60	60	50	0	YUCCA VALLEY	6071010417
	41125	101	101	1		Medium Pressure	101	101	83	0	YUCCA VALLEY	6071010424, 6071010417
	41126	10	10	1		Medium Pressure	10	10	9	0	YUCCA VALLEY	6071010413, 6071010424
	41127	4555	4646	7		Medium Pressure	31886	32521	29977	0	SAN BERNARDINO, BEAUMONT	6065043813, 6065043824, 6065043809, 6065044000, 6065044101, 6065044102, 6065044103, 6065044200, 6065043810, 6065043818, 6065043820, 6065043821, 6071008711, 6065043807, 6065043900, 6065043822, 6065044104, 6065044300, 6065043812

	41130	2951	3000	11		Medium Pressure	32462	32999	30793	2	RAMONA, RIVERSIDE	6065042625, 6065030605, 6065042632, 6065042631, 6065042018, 6065042630, 6065042907, 6065042906, 6065042905, 6065042908, 6065042004, 6065042003, 6065042008, 6065042005, 6065042902, 6065042903, 6065042012, 6065042010, 6065042719, 6065042007, 6065046700, 6065031701, 6065042009, 6065042802, 6065042747, 6065042801, 6065042628
	41132	526	536	1		Medium Pressure	526	536	430	0	SAN BERNARDINO	6071009119, 6071009109
	41133	249	265	1		Medium Pressure	249	265	243	0	SAN BERNARDINO	6071009120, 6071009121
	41134	8	8	1		Medium Pressure	8	8	7	0	EL CENTRO	6025011100
	41138	3618	3848	10		Medium Pressure	36175	38478	36391	4	PALM DESERT	6065045127, 6065045126, 6065045214, 6065044930, 6065045117, 6065045119, 6065045103, 6065044919, 6065044921, 6065044922, 6065044928, 6065044929, 6065045116, 6065044917, 6065044918, 6065045118, 6065045122, 6065045123, 6065044911, 6065045125, 6065045124, 6065044927
	41140	54	54	1		Medium Pressure	54	54	45	0	RAMONA	6065042412

	41141	3767	3881	14	Station ID #: 1121	Medium Pressure	52744	54338	50054	6	RAMONA, FONTANA, SAN BERNARDINO, RIVERSIDE	6071008402, 6071008404, 6071008403, 6071008100, 6071007105, 6071008302, 6071007800, 6071008301, 6071007104, 6065042412, 6071008001, 6071007106, 6071007107, 6071007108, 6065042300, 6071007110, 6071007306, 6071004004, 6071008601, 6071007305, 6071007307, 6071008004, 6071007202, 6071008405, 6071007201, 6071007112, 6071007111
	41142	92	92	1		Medium Pressure	92	92	88	0	SAN BERNARDINO	6071008403
	41143	292	318	1	Station ID #: 1260	Medium Pressure	292	318	263	0	RIM FOREST	6071011004, 6071011002
	41144	215	312	1	Station ID #: 806	Medium Pressure	215	312	199	0	BLYTHE	6065045900
	41145	4325	4402	1		Medium Pressure	4325	4402	3850	0	FONTANA, RIVERSIDE	6065042300, 6071004004, 6065030101, 6065030103, 6065030104, 6065030300, 6065030200, 6065042209
	41147	107	111	1		Medium Pressure	107	111	99	0	RIVERSIDE	6065030700
	41149	2086	2087	2	Station ID #: 302	Medium Pressure	4171	4173	3717	0	RIVERSIDE	6065046502, 6065046501, 6065042214, 6065042213, 6065042210, 6065042209
	41150	5468	5613	14		Medium Pressure	76556	78583	72665	3	CORONA, RIVERSIDE	6065031504, 6065031503, 6065030605, 6065030604, 6065041414, 6065046501, 6065042004, 6065042206, 6065042207, 6065042008, 6065042208, 6065030603, 6065042005, 6065040902, 6065042012, 6065031602, 6065030900, 6065042217, 6065030103, 6065980004, 6065031601, 6065041101, 6065041102, 6065041301, 6065041302, 6065041001, 6065031001

	41153	4942	4999	1		Medium Pressure	4942	4999	4652	0	RIM FOREST	6071011300, 6071011102, 6071011101
	41154	2699	2838	10	Station ID #: 107, 1033, 1062, 79	Medium Pressure	26987	28380	24917	3	SAN BERNARDINO	6071004601, 6071005200, 6071005300, 6071005400, 6071006301, 6071006401, 6071004507, 6071004509, 6071004505, 6071005701, 6071006501, 6071006303, 6071005601, 6071005602, 6071005102, 6071005501, 6071005502, 6071005101, 6071010805, 6071004512, 6071005800, 6071004510, 6071004603, 6071004604
	41155	556	562	2		Medium Pressure	1112	1123	1046	0	SAN BERNARDINO	6071005200, 6071006201, 6071005101
	41156	3162	3244	11	Station ID #: 78, 163	Medium Pressure	34779	35681	31861	0	SAN BERNARDINO	6071007407, 6071007404, 6071005200, 6071980100, 6071006201, 6071006301, 6071006401, 6071006402, 6071007408, 6071006204, 6071006203, 6071007604, 6071007410, 6071007409, 6071007903, 6071007603, 6071005701, 6071006501, 6071006502, 6071006303, 6071007905, 6071007412, 6071007411, 6071007202, 6071006304, 6071006101, 6071006102
	41160	9	9	1		Medium Pressure	9	9	5	0	SAN BERNARDINO	6071006101, 6071011002
	41162	1943	1966	3	Station ID #: 1078	Medium Pressure	5828	5897	5276	1	SAN BERNARDINO	6071004800, 6071004700, 6071004201, 6071004202, 6071004302, 6071004902
	41163	17	17	1		Medium Pressure	17	17	4	0	FONTANA	6071003804
	41164	468	578	1		Medium Pressure	468	578	487	0	EL CENTRO	6025011100

	41165	5295	5370	8		Medium Pressure	42357	42958	41743	2	RAMONA, MURRIETA	6065042730, 6065042731, 6065042733, 6065042737, 6065042745, 6065042724, 6065042728, 6065042752, 6065042751, 6065042717, 6065042738, 6065042739, 6065042740, 6065042741, 6065042742, 6065042720, 6065042743, 6065043279, 6065042708, 6065042709, 6065042711, 6065042723, 6065042732, 6065042726
	41168	4909	5031	25		Medium Pressure	122728	125772	118817	7	MURRIETA	6065043246, 6065043254, 6065043265, 6065043267, 6065043272, 6065043008, 6065050503, 6065043203, 6065043208, 6065043202, 6065049702, 6065050501, 6065043205, 6065043295, 6065043204, 6065043296, 6065042750, 6065042748, 6065042749, 6065049701, 6065050401, 6065050402, 6065050701, 6065050502, 6065050302, 6065043210, 6065043209
	41180	4037	4059	2		Medium Pressure	8073	8118	7331	0	RIVERSIDE	6065040304, 6065040305, 6065040302, 6065040101, 6065040102, 6065040203, 6065040204, 6065040303, 6065040201
	41181	63	63	1		Medium Pressure	63	63	54	0	RIVERSIDE	6065040202
	41182	1888	1900	2		Medium Pressure	3775	3799	3719	0	RIVERSIDE	6065040305, 6065040302, 6065040405, 6065040404, 6065040202, 6065040303, 6065040201
	41184	621	731	1		Medium Pressure	621	731	648	0	EL CENTRO	6025010200
	41186	2790	2831	1	Station ID #: 1067	Medium Pressure	2790	2831	2745	0	SAN BERNARDINO	6037930400, 6071009201

	41187	3063	3120	7		Medium Pressure	21444	21838	20202	0	SAN BERNARDINO, BEAUMONT	6071008800, 6071008705, 6065043824, 6065043802, 6071008710, 6071008709, 6071008714, 6071008715, 6071008716, 6071008713, 6071008712, 6071008502, 6071008711, 6071008708, 6065043823, 6071008602
	41188	1816	1820	4		Medium Pressure	7263	7281	6328	1	YUCCA VALLEY	6071010413, 6071010410, 6071010427, 6071010428, 6071010429, 6071010430, 6071010420, 6071010419
	41190	362	362	1		Medium Pressure	362	362	344	0	YUCCA VALLEY	6071010413, 6071010427, 6071010424
	41194	22	22	1		Medium Pressure	22	22	12	0	CHINO	6071000817
	41196	7	17	1		Medium Pressure	7	17	4	0	EL CENTRO	6025011903
	41197	3621	3785	1		Medium Pressure	3621	3785	3715	0	MURRIETA	6065042737, 6065050702, 6065050701, 6065042739, 6065043235
	41200	32	32	1		Medium Pressure	32	32	32	0	PALM DESERT	6065045228
	41201	11	12	1		Medium Pressure	11	12	9	1	FONTANA	6071004004, 6071004003
	41202	5	5	1		Medium Pressure	5	5	1	0	CORONA	6065041500
	41203	2	2	1		Medium Pressure	2	2	1	1	RIVERSIDE	6065046501, 6065042206
	41204	2255	2260	1		Medium Pressure	2255	2260	2270	0	FONTANA, SAN BERNARDINO	6071002706, 6071009202
	41205	29	29	1		Medium Pressure	29	29	28	0	SAN BERNARDINO	6071009119
	41208	4647	4654	2		Medium Pressure	9294	9307	9036	0	CHINO	6071002014, 6071002011, 6071002013, 6071002023, 6071002018, 6071002029, 6071002025, 6071002019, 6071002021, 6071009202, 6071002017
	41209	1	1	1		Medium Pressure	1	1	0	1	SAN BERNARDINO	6071004101, 6071004104
	41210	1421	1421	1		Medium Pressure	1421	1421	1414	0	CORONA	6065042007
	41211	2579	2635	2		Medium Pressure	5157	5269	4660	2	SAN BERNARDINO	6071004700, 6071004201, 6071004202, 6071004101, 6071004104, 6071004103
	41212	1211	1211	1	Station ID #: 421	Medium Pressure	1211	1211	1157	0	RIVERSIDE	6065042210, 6065042209
	41213	5	5	1		Medium Pressure	5	5	4	0	PALM DESERT	6065940900

	42001	8531	8819	63	Station ID #: 1409, 1382, 1365, 2609, 1432, 2602	Medium Pressure	537444	555612	515974	63	SANTA ANA, ANAHEIM, GARDEN GROVE, DOWNEY, LA JOLLA, ALISO VIEJO	6059021903, 6059074106, 6059074107, 6059099239, 6059099305, 6059099306, 6059099251, 6059099307, 6059099903, 6059099905, 6059099906, 6059110007, 6059110003, 6059099904, 6059087001, 6059087002, 6059099240, 6059099308, 6059099309, 6059099310, 6059099402, 6059099404, 6059110004, 6059110005, 6059089107, 6059021802, 6059086405
	42002	308	758	1	Station ID #: 2618	Medium Pressure	308	758	757	0	GARDEN GROVE	6059110007
	42003	16	21	1		Medium Pressure	16	21	17	0	GARDEN GROVE	6059099509, 6059099510, 6059099502
	42004	20	20	3		Medium Pressure	61	61	21	0	LA JOLLA	6059011000, 6059110605
	42006	5209	5802	4	Station ID #: 1414	Medium Pressure	20835	23208	21292	1	SANTA ANA	6059062658, 6059062657, 6059062642, 6059062701, 6059062702, 6059063005, 6059063006, 6059063008, 6059063004, 6059063007, 6059062643, 6059062645
	42008	6053	7290	6		Medium Pressure	36315	43739	42328	1	ALISO VIEJO, SANTA ANA	6059052417, 6059052437, 6059052430, 6059052435, 6059052438, 6059052436, 6059052535, 6059052533, 6059052439, 6059052433, 6059052431, 6059052432, 6059052429, 6059052421
	42011	8	8	1		Medium Pressure	8	8	5	0	ALISO VIEJO	6059042333
	42012	227	227	1		Medium Pressure	227	227	194	0	ALISO VIEJO	6059042201
	42016	665	665	1		Medium Pressure	665	665	663	0	ALISO VIEJO	6059032029
	42019	2	2	1		Medium Pressure	2	2	1	1	SANTA ANA	6059063603
	42020	5429	5456	2		Medium Pressure	10858	10911	9597	0	ALISO VIEJO	6059062656, 6059062605, 6059062632, 6059062619, 6059062620

	42021	6805	7594	34	Station ID #: 2009, 2616, 1453	Medium Pressure	231366	258204	247671	22	SANTA ANA, ALISO VIEJO	6059052502, 6059052519, 6059052520, 6059052521, 6059052523, 6059075517, 6059075516, 6059075518, 6059052529, 6059052530, 6059052522, 6059075512, 6059075505, 6059075513, 6059075514, 6073018700, 6059052408, 6059052415, 6059052416, 6059032002, 6059032003, 6059032012, 6059032013, 6059052424, 6059052425, 6059052427, 6059052428
	42022	106	106	1		Medium Pressure	106	106	105	0	SANTA ANA	6059075403
	42023	3584	4114	5		Medium Pressure	17922	20570	19969	6	SANTA ANA, ALISO VIEJO	6059062651, 6059062650, 6059062655, 6059062611, 6059062614, 6059062627, 6059062629, 6059063101, 6059063009, 6059062631, 6059062626, 6059063007, 6059062610, 6059062628, 6059062654, 6059062653, 6059062630
	42025	735	777	1		Medium Pressure	735	777	750	0	SANTA ANA	6059062643
	42043	9755	10051	15	Station ID #: 2000	Medium Pressure	146320	150762	139830	14	INDUSTRY, GARDEN GROVE, DOWNEY, BELVEDERE, LA JOLLA, WHITTIER	6037500600, 6037501700, 6037500202, 6059001901, 6059001706, 6059001402, 6059001403, 6059001404, 6059001501, 6059001503, 6059001504, 6059001506, 6059001507, 6059001705, 6059001801, 6059001802, 6059001603, 6059021831, 6059021832, 6059001710, 6059001604, 6059001709, 6059001903, 6059011000, 6059011101, 6059011102, 6059011200

	42044	5657	5819	33	Station ID #: 1052	Medium Pressure	186677	192016	178369	28	GARDEN GROVE, DOWNEY, BELVEDERE, LA JOLLA, WHITTIER, LANCASTER	6037571102, 6037570001, 6037553602, 6037554405, 6037554513, 6037554406, 6037552601, 6037554517, 6037573601, 6037570701, 6037552302, 6037553503, 6037570800, 6037570901, 6037570902, 6037571000, 6037571101, 6037502801, 6037503105, 6037503106, 6037571300, 6037571400, 6037572001, 6037552301, 6037533901, 6037550201, 6037533902
	42048	67	67	1		Medium Pressure	67	67	61	0	WHITTIER	6037500204
	42049	712	1059	2		Medium Pressure	1423	2117	1870	2	DOWNEY, COMPTON	6037534101, 6037534202, 6037534203, 6037536102, 6037534102, 6037534201
	42050	3	3	1		Medium Pressure	3	3	3	0	SANTA ANA	6059074003
	42051	2	2	1		Medium Pressure	2	2	2	0	GARDEN GROVE	6059099509
	43001	6119	6222	47		Medium Pressure	287611	292446	253835	14	SANTA MONICA, BRANFORD, SATICOY, HOLLYWOOD, JUANITA	6037208904, 6037214600, 6037211420, 6037191810, 6037192620, 6037143902, 6037141700, 6037191410, 6037211802, 6037262100, 6037191720, 6037194300, 6037189903, 6037194101, 6037265602, 6037212410, 6037262200, 6037191902, 6037194102, 6037195803, 6037188201, 6037189101, 6037189102, 6037189202, 6037190802, 6037191301, 6037191302
	43003	86	88	1		Medium Pressure	86	88	67	0	SANTA MONICA, HOLLYWOOD	6037262100, 6037700700, 6037265100, 6037265301

	43012	7163	7290	5		Medium Pressure	35814	36449	31686	2	HOLLYWOOD, BELVEDERE, CRENSHAW, JUANITA	6037209820, 6037212702, 6037216401, 6037218701, 6037218702, 6037221304, 6037212701, 6037207901, 6037216901, 6037221602, 6037269601, 6037224310, 6037209810, 6037209520, 6037217102, 6037216902, 6037217101, 6037221302, 6037224010, 6037212800, 6037212900, 6037213100, 6037224200, 6037224320, 6037270300, 6037213201, 6037213202, 6037218701,
	43013	3496	3572	5		Medium Pressure	17478	17859	15406	1	HUNTINGTON PARK, HOLLYWOOD, BELVEDERE, CRENSHAW, JUANITA	6037218702, 6037219902, 6037221304, 6037221402, 6037703200, 6037224702, 6037224701, 6037221602, 6037236203, 6037234501, 6037234502, 6037224310, 6037209810, 6037236102, 6037234301, 6037217102, 6037216202, 6037217101, 6037221302, 6037221500, 6037221900, 6037222100, 6037222200, 6037222700, 6037224010, 6037224020,
	43016	4073	4470	1		Medium Pressure	4073	4470	3822	2	SANTA MONICA	6037800412, 6037800411, 6037800406, 6037800410, 6037800504
	43017	72	72	1		Medium Pressure	72	72	31	0	SANTA MONICA	6037800504
	43018	106	106	1		Medium Pressure	106	106	88	0	SANTA MONICA	6037800504
	43019	2	2	1		Medium Pressure	2	2	2	0	SANTA MONICA	6037800504
	43020	147	147	1		Medium Pressure	147	147	95	0	SANTA MONICA	6037800504
	43021	24	24	1		Medium Pressure	24	24	20	0	SANTA MONICA	6037800504
	43022	3	3	1		Medium Pressure	3	3	2	0	SANTA MONICA	6037800504
	43024	14	14	1		Medium Pressure	14	14	10	0	SANTA MONICA	6037800504
	43025	3	3	1		Medium Pressure	3	3	2	0	SANTA MONICA	6037800504
	43026	10	10	1		Medium Pressure	10	10	6	0	SANTA MONICA	6037800504
	43027	11	11	1		Medium Pressure	11	11	8	0	SANTA MONICA	6037800504
	43028	5	5	1		Medium Pressure	5	5	3	0	SANTA MONICA	6037800504
	43029	14	14	1		Medium Pressure	14	14	7	0	SANTA MONICA	6037800504
	43030	26	26	1		Medium Pressure	26	26	13	0	SANTA MONICA	6037800504
	43031	5	5	1	Station ID #: 2328	Medium Pressure	5	5	4	0	SANTA MONICA	6037800504

	43032	7	7	1		Medium Pressure	7	7	3	0	SANTA MONICA	6037800504
	43034	38	43	1		Medium Pressure	38	43	22	0	SANTA MONICA	6037800504
	43036	122	141	1		Medium Pressure	122	141	51	0	SANTA MONICA	6037800504
	43037	98	110	1		Medium Pressure	98	110	55	0	SANTA MONICA	6037800504, 6037800506
	43038	5	11	1		Medium Pressure	5	11	7	0	SANTA MONICA	6037800504
	43039	2	2	1		Medium Pressure	2	2	1	0	SANTA MONICA	6037800506
	43040	13	13	1		Medium Pressure	13	13	0	0	SANTA MONICA	6037800506
	43041	115	133	1	Station ID #: 2316	Medium Pressure	115	133	47	0	SANTA MONICA	6037800506
	43042	6	6	1		Medium Pressure	6	6	0	0	SANTA MONICA	6037800506
	43044	319	319	1		Medium Pressure	319	319	150	0	SANTA MONICA	6037800506, 6037262604
	43045	386	387	1		Medium Pressure	386	387	209	0	SANTA MONICA	6037262704, 6037980019, 6037262604
	43046	1377	1457	1		Medium Pressure	1377	1457	915	0	SANTA MONICA	6037262601, 6037980019, 6037262604
	43047	849	854	2		Medium Pressure	1698	1707	593	0	SANTA MONICA	6037262704, 6037262604
	43048	471	480	1		Medium Pressure	471	480	79	0	SANTA MONICA	6037262706
	43050	12150	12727	15	Station ID #: 375, 2351	Medium Pressure	182246	190910	166555	11	SANTA MONICA, HOLLYWOOD, CRENSHAW	6037262303, 6037273502, 6037273902, 6037275102, 6037275603, 6037701902, 6037702102, 6037269907, 6037264102, 6037262706, 6037701304, 6037274202, 6037216401, 6037217001, 6037273700, 6037273800, 6037274100, 6037702202, 6037702300, 6037276601, 6037277000, 6037271600, 6037269908, 6037267503, 6037267406, 6037275313, 6037270102, 6037262301
	43052	218	334	1		Medium Pressure	218	334	282	0	SANTA MONICA	6037262301

	43053	5014	5091	9		Medium Pressure	45128	45820	40920	3	SANTA MONICA, 182ND ST., CRENSHAW	6037234800, 6037601002, 6037600602, 6037600902, 6037600911, 6037600912, 6037601001, 6037601100, 6037601211, 6037601212, 6037601301, 6037601302, 6037601401, 6037703200, 6037234902, 6037601303, 6037234901, 6037601900, 6037276102, 6037276101, 6037601501, 6037604200, 6037602513, 6037234700, 6037235100, 6037235202, 6037980028, 6037237900,
	43055	6609	6664	9		Medium Pressure	59479	59977	53484	3	182ND ST., HUNTINGTON PARK, COMPTON, CRENSHAW	6037237600, 6037234800, 6037237102, 6037240401, 6037600100, 6037600201, 6037600202, 6037600302, 6037600400, 6037600501, 6037600601, 6037600602, 6037600702, 6037600703, 6037600704, 6037600801, 6037600802, 6037600912, 6037237101, 6037237202, 6037237401, 6037237402, 6037239602, 6037600304, 6037600303, 6037240402

	43056	4539	4637	8		Medium Pressure	36308	37099	33701	2	SANTA MONICA, 182ND ST., CRENSHAW	6037603802, 6037980013, 6037603702, 6037604101, 6037602202, 6037603902, 6037603705, 6037602602, 6037602511, 6037603801, 6037602505, 6037602506, 6037602507, 6037602402, 6037602403, 6037602404, 6037601501, 6037603901, 6037602512, 6037602601, 6037602510, 6037602201, 6037602513, 6037603706, 6037603703, 6037602504, 6037980028
	43057	2828	2940	6		Medium Pressure	16969	17640	16395	1	SANTA MONICA	6037278102, 6037278001, 6037601302, 6037276601, 6037277000, 6037276606, 6037276608, 6037980028, 6037276605, 6037276607, 6037277100, 6037277200, 6037276000, 6037276400, 6037276500
	43058	3947	3995	2		Medium Pressure	7894	7989	7208	1	SANTA MONICA, 182ND ST.	6037620001, 6037620002, 6037620101, 6037620102, 6037980028

	43060	6130	6232	5		Medium Pressure	30648	31160	28125	3	182ND ST.	6037241300, 6037603102, 6037980005, 6037650001, 6037650101, 6037650200, 6037602900, 6037603004, 6037603101, 6037603200, 6037603301, 6037603302, 6037603400, 6037603500, 6037603600, 6037540901, 6037603007, 6037292001, 6037603008, 6037602602, 6037602802, 6037603006, 6037291120, 6037602601, 6037603706, 6037602801, 6037602700,
	43063	3	3	1		Medium Pressure	3	3	1	0	SANTA MONICA	6037980028
	43065	113	114	2		Medium Pressure	226	227	137	4	SANTA MONICA, 182ND ST.	6037980013, 6037620002, 6037980028
	43066	28	30	2		Medium Pressure	56	59	39	1	182ND ST.	6037980013, 6037602302
	43067	508	529	4		Medium Pressure	2030	2114	1821	2	182ND ST., CRENSHAW	6037601002, 6037600702, 6037600703, 6037600802, 6037600902, 6037600912, 6037601001, 6037601100, 6037601900, 6037602601, 6037602513, 6037235201, 6037235202, 6037602002, 6037602003, 6037602104, 6037602700, 6037602105, 6037601700, 6037601801, 6037601802
	43068	661	683	1		Medium Pressure	661	683	579	1	CRENSHAW	6037601302, 6037601401, 6037601303

	43069	5685	5812	14		Medium Pressure	79593	81367	71835	1	HOLLYWOOD, CRENSHAW, JUANITA	6037222600, 6037231720, 6037218702, 6037219902, 6037221401, 6037222002, 6037703200, 6037224702, 6037224701, 6037236203, 6037236204, 6037234501, 6037234502, 6037221810, 6037219010, 6037232120, 6037236001, 6037236102, 6037234301, 6037231601, 6037231603, 6037234001, 6037236205, 6037231301, 6037231302, 6037231500, 6037221500
	43071	2370	2470	3		Medium Pressure	7111	7411	6367	2	182ND ST., COMPTON	6037650401, 6037650901, 6037543501, 6037543502, 6037543503, 6037543603, 6037292002, 6037543605, 6037650904, 6037543606, 6037293206, 6037650903, 6037293203, 6037293205, 6037292001, 6037651001, 6037651002, 6037291300, 6037293302, 6037293301
	43072	2501	2904	5		Medium Pressure	12504	14520	13436	1	182ND ST., SAN PEDRO	6037670001, 6037670002, 6037670003, 6037670101, 6037650801, 6037670102, 6037650802, 6037651001, 6037651002, 6037651101, 6037651102, 6037670201, 6037651401, 6037293302, 6037293301

	43073	4623	4849	19		Medium Pressure	87830	92136	79604	4	182ND ST.	6037620301, 6037621201, 6037603802, 6037620521, 6037980005, 6037620305, 6037621104, 6037621204, 6037621324, 6037650004, 6037650401, 6037650901, 6037604002, 6037543502, 6037543503, 6037621301, 6037650001, 6037650101, 6037650102, 6037650200, 6037650300, 6037650501, 6037650502, 6037650603, 6037650701, 6037603301, 6037603302
	43077	69	69	2		Medium Pressure	138	138	55	0	182ND ST.	6037651101
	43078	245	245	1		Medium Pressure	245	245	197	1	182ND ST.	6037980013, 6037620400, 6037602302
	43082	46	78	1		Medium Pressure	46	78	74	0	SAN PEDRO	6037670201
	43083	25	25	1		Medium Pressure	25	25	20	1	SAN PEDRO	6037294701, 6037980014, 6037294830, 6037980031
	43084	6167	7499	2		Medium Pressure	12333	14998	13524	3	SAN PEDRO, COMPTON	6037980002, 6037294301, 6037294302, 6037294701, 6037543703, 6037980014, 6037294830, 6037294520, 6037980031, 6037980037, 6037294810, 6037980015, 6037294110, 6037294120, 6037294200, 6037294410, 6037294620, 6037294510, 6037294820, 6037294900, 6037294610

	43085	3515	3557	10		Medium Pressure	35150	35573	32845	0	182ND ST., SAN PEDRO	6037621201, 6037621204, 6037621324, 6037621326, 6037651302, 6037670413, 6037670202, 6037670406, 6037670407, 6037651304, 6037651402, 6037670326, 6037670328, 6037670416, 6037621301, 6037621400, 6037670604, 6037670603, 6037670500, 6037670417, 6037670418, 6037650702, 6037651101, 6037651102, 6037651201, 6037651222, 6037670201, 6037296220,
	43086	9508	11171	4		Medium Pressure	38033	44682	40701	5	182ND ST., SAN PEDRO	6037297201, 6037297110, 6037293306, 6037294302, 6037294421, 6037296401, 6037296402, 6037296902, 6037297202, 6037297601, 6037297602, 6037670002, 6037543603, 6037609900, 6037297002, 6037297001, 6037670604, 6037670500, 6037670701, 6037670101, 6037297501, 6037297502, 6037295103, 6037293307, 6037670702, 6037670201,
	43088	46	55	1		Medium Pressure	46	55	16	1	SAN PEDRO	6037980031
	43092	83	100	2		Medium Pressure	165	200	25	0	SANTA MONICA	6037980028, 6037277200
	43093	62	62	1		Medium Pressure	62	62	37	0	182ND ST.	6037980013
	43094	11	11	1		Medium Pressure	11	11	11	0	SANTA MONICA, SATICOY	6037141600
	43095	80	80	1		Medium Pressure	80	80	78	0	SATICOY, HOLLYWOOD	6037143901
	43100	658	727	2		Medium Pressure	1316	1453	1364	0	SAN PEDRO, COMPTON	6037543905, 6037543703, 6037294110
	43101	964	985	1		Medium Pressure	964	985	963	0	COMPTON	6037543607

	43103	2424	2905	4		Medium Pressure	9694	11621	10804	2	COMPTON	6037543903, 6037543701, 6037543306, 6037543400, 6037543501, 6037543905, 6037543601, 6037543703, 6037543801, 6037543704, 6037543705, 6037543607, 6037543803, 6037543804
	43105	85	85	2		Medium Pressure	169	170	85	2	COMPTON	6037570402, 6037544001, 6037543305
	43106	6511	6644	11	Station ID #: 2148, 2143, 5018	Medium Pressure	71625	73080	66222	14	DOWNEY, COMPTON	6037543201, 6037540502, 6037541606, 6037541500, 6037570404, 6037543306, 6037543322, 6037543400, 6037542104, 6037541605, 6037541801, 6037541802, 6037542000, 6037542401, 6037542402, 6037542502, 6037542601, 6037542602, 6037542700, 6037542800, 6037542900, 6037535802, 6037535607, 6037540000, 6037540101, 6037540102, 6037540202
	43107	13	13	1		Medium Pressure	13	13	4	1	COMPTON	6037541603
	43109	5699	5811	9		Medium Pressure	51287	52297	45714	1	HUNTINGTON PARK, COMPTON, CRENSHAW	6037532900, 6037242600, 6037237600, 6037533002, 6037535002, 6037534900, 6037535101, 6037535102, 6037535200, 6037535300, 6037535400, 6037535603, 6037540300, 6037540400, 6037540600, 6037540700, 6037239202, 6037239501, 6037239502, 6037239602, 6037239701, 6037533001, 6037241001, 6037239702, 6037239802, 6037239801, 6037532700

	43110	623	660	3		Medium Pressure	1870	1979	1584	4	HUNTINGTON PARK, COMPTON	6037536103, 6037534301, 6037534302, 6037536000, 6037540101, 6037536104
	43111	5614	5672	5		Medium Pressure	28068	28358	26314	1	HUNTINGTON PARK, COMPTON	6037534700, 6037535604, 6037536103, 6037534502, 6037534802, 6037534803, 6037534804, 6037534900, 6037535300, 6037535502, 6037535603, 6037535605, 6037535701, 6037535702, 6037535802, 6037535803, 6037535606, 6037535804, 6037535901, 6037536000, 6037535607, 6037540101, 6037540202, 6037535902, 6037534501, 6037533108, 6037533204
	43112	3245	3765	6		Medium Pressure	19472	22588	20421	0	HUNTINGTON PARK	6037533403, 6037533701, 6037533402, 6037533501, 6037533703, 6037533803, 6037533804, 6037533806, 6037534301, 6037534302, 6037534404, 6037534405, 6037534406, 6037534502, 6037980016, 6037533805, 6037533201, 6037533300, 6037533401, 6037533601, 6037533602, 6037533702, 6037534403, 6037533504, 6037533603
	43114	4958	5166	2		Medium Pressure	9916	10331	8772	1	HUNTINGTON PARK	6037533105, 6037980016, 6037532606, 6037532500, 6037532605, 6037533104, 6037533201, 6037533602, 6037532607, 6037533108, 6037533204, 6037533103

	43115	2461	2553	4		Medium Pressure	9844	10210	8400	1	HUNTINGTON PARK, COMPTON	6037228600, 6037532900, 6037228500, 6037534803, 6037534900, 6037535101, 6037535102, 6037535200, 6037980016, 6037239202, 6037239501, 6037533001, 6037532700, 6037532607, 6037228710, 6037228720, 6037228800, 6037228900, 6037229100, 6037239330, 6037240700, 6037229200, 6037229300, 6037229410, 6037229420, 6037239201, 6037222800
	43117	4402	4494	2		Medium Pressure	8804	8987	7311	1	HUNTINGTON PARK, BELVEDERE	6037228600, 6037226001, 6037226002, 6037980016, 6037226702, 6037206051, 6037227020, 6037228100, 6037228210, 6037228220, 6037228310, 6037228320, 6037228710, 6037228720, 6037228800, 6037227010
	43118	2905	3021	7		Medium Pressure	20336	21149	15216	6	HUNTINGTON PARK, BELVEDERE	6037228600, 6037228410, 6037228500, 6037226001, 6037226002, 6037207502, 6037226702, 6037206303, 6037206301, 6037207901, 6037206202, 6037207712, 6037207308, 6037206052, 6037206302, 6037206201, 6037207305, 6037207306, 6037226701, 6037207303, 6037207902, 6037206051, 6037207304, 6037207307, 6037224010, 6037224020, 6037222600

	43119	707	760	9		Medium Pressure	6364	6838	4827	8	HUNTINGTON PARK, BELVEDERE	6037533403, 6037533701, 6037533402, 6037533703, 6037533803, 6037533804, 6037980016, 6037532302, 6037532303, 6037532304, 6037532500, 6037532605, 6037533201, 6037533300, 6037533602, 6037533702, 6037206051, 6037532607, 6037533204, 6037531302, 6037204700, 6037204820, 6037533603, 6037204920, 6037205110, 6037205120, 6037206050
	43121	2458	2569	4		Medium Pressure	9833	10276	9096	0	BELVEDERE	6037204410, 6037531503, 6037206053, 6037531502, 6037531202, 6037531201, 6037531301, 6037203900, 6037204120, 6037204300, 6037204600, 6037204700, 6037204810, 6037204910, 6037204420, 6037206050
	43122	3832	3933	5		Medium Pressure	19158	19663	17830	1	ALHAMBRA, BELVEDERE	6037531800, 6037204200, 6037531101, 6037482701, 6037531503, 6037530203, 6037530204, 6037530500, 6037530400, 6037203601, 6037203602, 6037203200, 6037531701, 6037531901, 6037531902, 6037532001, 6037532303, 6037530801, 6037530802, 6037530901, 6037531000, 6037531102, 6037530202, 6037530302, 6037530301, 6037203710, 6037203720

	43123	2773	2867	9		Medium Pressure	24957	25802	22639	14	ALHAMBRA, BELVEDERE, GLENDALE, PASADENA	6037531800, 6037461502, 6037482202, 6037482304, 6037482503, 6037481711, 6037482701, 6037480303, 6037481605, 6037481606, 6037201601, 6037201602, 6037480304, 6037531503, 6037531504, 6037530005, 6037530203, 6037530500, 6037530400, 6037482002, 6037480202, 6037480102, 6037480012, 6037480002, 6037480101, 6037461300, 6037530603
	43124	3449	3541	2		Medium Pressure	6897	7082	6080	4	BELVEDERE, GLENDALE	6037204200, 6037204410, 6037531101, 6037207102, 6037206303, 6037206053, 6037206054, 6037206051, 6037531102, 6037531201, 6037203500, 6037203900, 6037204110, 6037204120, 6037204300, 6037204600, 6037204810, 6037204420, 6037206020, 6037206050
	43125	959	1013	2		Medium Pressure	1917	2026	1729	2	BELVEDERE	6037532302, 6037531302
	43126	653	669	1		Medium Pressure	653	669	649	0	BELVEDERE	6037532302
	43129	39	39	1		Medium Pressure	39	39	12	0	BELVEDERE	6037532200

	43130	1452	1478	2		Medium Pressure	2904	2956	2516	2	HOLLYWOOD, BELVEDERE, JUANITA, GLENDALE	6037208402, 6037208502, 6037208801, 6037212502, 6037207101, 6037207102, 6037207502, 6037207901, 6037207712, 6037207501, 6037208501, 6037209402, 6037212305, 6037197600, 6037209201, 6037208001, 6037209106, 6037212202, 6037212306, 6037212420, 6037212610, 6037212620, 6037213320, 6037213401, 6037209401, 6037207711, 6037208802
	43153	454	461	1		Medium Pressure	454	461	440	0	SANTA MONICA	6037262200
	43154	7608	7813	2		Medium Pressure	15216	15625	14352	4	182ND ST., BELVEDERE, WHITTIER	6037621324, 6037530005, 6037530101, 6037530102, 6037530203, 6037530204, 6037530006, 6037531902, 6037532001, 6037532101, 6037532002, 6037532200, 6037532303, 6037532304, 6037530007, 6037980036, 6037532102
	43156	23	23	2		Medium Pressure	46	46	24	0	182ND ST., COMPTON	6037541003, 6037291300
	43157	1050	1112	2		Medium Pressure	2100	2224	2080	0	COMPTON	6037544001, 6037544002, 6037572301, 6037577700, 6037543305
	43158	2	4	1		Medium Pressure	2	4	3	0	SAN PEDRO, COMPTON	6037980002, 6037294110
	43159	8	9	1		Medium Pressure	8	9	12	0	HOLLYWOOD	6037261104
	43160	5	5	1		Medium Pressure	5	5	2	0	JUANITA	6037191302
	43162	39	67	2		Medium Pressure	77	133	62	0	BELVEDERE	6037206052, 6037206051
	44001	455	455	1		Medium Pressure	455	455	439	0	LANCASTER	6037910815
	44002	83	83	1		Medium Pressure	83	83	82	0	LANCASTER	6037910815
	44003	40	40	1		Medium Pressure	40	40	39	0	LANCASTER	6037910815
	44004	185	186	1		Medium Pressure	185	186	158	0	LANCASTER	6037910804, 6037910815
	44005	4	4	1		Medium Pressure	4	4	4	0	VALENCIA	6037910804
	44006	659	659	1		Medium Pressure	659	659	605	0	LANCASTER	6037910804, 6037910815
	44007	20	20	1		Medium Pressure	20	20	19	0	LANCASTER, VALENCIA	6037910804
	44008	222	257	1		Medium Pressure	222	257	207	0	VISALIA	6107004302
	44009	1510	1512	1		Medium Pressure	1510	1512	1424	0	VISALIA	6031000500

	44010	1741	1798	3		Medium Pressure	5224	5393	4909	2	BAKERSFIELD	6029006202, 6029006304, 6029006301, 6029006011, 6029006303
	44011	2065	2122	6		Medium Pressure	12387	12729	11680	3	TEMPLETON, SAN LUIS OBISPO	6079012503, 6079012505, 6079013000, 6079012705, 6079012601, 6079012706, 6079013100, 6079010505, 6079012602, 6079012502
	44012	941	1078	1		Medium Pressure	941	1078	979	0	SAN LUIS OBISPO	6079011600
	44013	4478	4581	10		Medium Pressure	44776	45809	43615	3	BAKERSFIELD	6029000400, 6029000504, 6029000506, 6029000507, 6029003807, 6029003806, 6029000505, 6029003810, 6029003900, 6029003808, 6029003811, 6029003812, 6029005103, 6029000102, 6029003815, 6029003824, 6029003826, 6029003818, 6029003823, 6029003821, 6029000510, 6029003825, 6029003822, 6029000106, 6029000105, 6029000508, 6029000509
	44014	3014	3051	2		Medium Pressure	6027	6101	5792	0	SAN LUIS OBISPO	6079010703, 6079010701, 6079010707, 6079013000
	44015	1091	1192	1		Medium Pressure	1091	1192	1099	0	VENTURA	6111005602, 6111005700
	44016	995	997	2	Station ID #: 2567	Medium Pressure	1989	1994	1830	0	SANTA MARIA	6083001912
	44017	553	556	1		Medium Pressure	553	556	461	0	VENTURA	6111005602, 6111005601
	44018	1008	1008	1		Medium Pressure	1008	1008	982	0	VENTURA	6111005602
	44025	52	52	1		Medium Pressure	52	52	31	0	VENTURA	6111005602
	44027	12	12	2		Medium Pressure	23	23	12	2	VENTURA	6111005602, 6111004704
	44028	2239	2273	2		Medium Pressure	4477	4546	4173	0	SAN LUIS OBISPO	6079010404, 6079010403, 6079013000

	44030	5997	6241	10		Medium Pressure	59971	62407	57857	5	SIMI, CANOGA	6037134305, 6037134002, 6037134423, 6037134904, 6037137104, 6037800204, 6037134422, 6037134520, 6037135102, 6037135111, 6037135202, 6037137000, 6037134905, 6037134521, 6037135113, 6037137103, 6037800202, 6037113239, 6037113427, 6037800101, 6037135116, 6037137202, 6037137203, 6037135205, 6037134801, 6037113237, 6037113231
	44033	1064	1090	3		Medium Pressure	3192	3270	2943	0	VISALIA	6107001400, 6107001602, 6107001601
	44034	238	238	1		Medium Pressure	238	238	224	0	VISALIA	6107001400, 6107001602, 6107001703
	44035	147	147	1	Station ID #: 1170	Medium Pressure	147	147	115	0	VISALIA	6107001602
	44036	28	28	1		Medium Pressure	28	28	17	0	VENTURA	6111000304
	44037	5079	5093	1		Medium Pressure	5079	5093	4739	0	VENTURA	6111000303, 6111000302, 6111000304
	44038	10	10	1		Medium Pressure	10	10	3	0	VENTURA	6111000303, 6111000304
	44039	5408	5606	12	Station ID #: 775, 876	Medium Pressure	64890	67277	62590	4	SATICOY, CANOGA	6037109700, 6037108103, 6037117404, 6037111205, 6037117302, 6037117303, 6037920303, 6037113301, 6037113303, 6037113322, 6037115101, 6037115202, 6037115301, 6037115401, 6037115104, 6037106645, 6037109603, 6037111206, 6037113101, 6037113102, 6037117202, 6037113239, 6037115204, 6037113324, 6037113323, 6037111304, 6037113424
	44041	1841	1846	2		Medium Pressure	3681	3691	3518	0	LANCASTER	6037910002, 6037900103, 6037900104, 6037911001, 6037900102

	44042	821	821	1		Medium Pressure	821	821	599	0	LANCASTER	6037900705, 6037900704, 6037910218
	44043	99	99	1		Medium Pressure	99	99	54	1	LANCASTER	6037900704, 6037910218
	44044	178	178	1		Medium Pressure	178	178	110	1	LANCASTER	6037900504
	44045	3256	3302	8	Station ID #: 930	Medium Pressure	26051	26413	23253	3	LANCASTER	6037900701, 6037901009, 6037901010, 6037901011, 6037901007, 6037910212, 6037900703, 6037900705, 6037900704, 6037910211, 6037901013, 6037900901, 6037901014, 6037900607, 6037901008, 6037900804, 6037900805, 6037900806, 6037900807, 6037900808, 6037900606
	44046	11	11	1		Medium Pressure	11	11	10	0	LANCASTER	6037901300
	44047	4	4	1		Medium Pressure	4	4	4	0	LANCASTER	6037901300
	44048	34	34	1		Medium Pressure	34	34	25	0	LANCASTER	6037901300
	44049	7	7	1		Medium Pressure	7	7	3	0	LANCASTER	6037901300
	44051	1088	1088	2		Medium Pressure	2175	2175	2029	0	LANCASTER	6037910002, 6037911100
	44052	626	626	2		Medium Pressure	1251	1251	1135	0	LANCASTER	6037910002, 6037911001
	44053	7285	7577	2		Medium Pressure	14569	15153	14095	2	SANTA MARIA	6083003102, 6083002707, 6083002708, 6083002710, 6083002703, 6083002705, 6083002706, 6083002802, 6083002806, 6083002709, 6083002809
	44054	633	677	1		Medium Pressure	633	677	613	0	SANTA MARIA	6083001911, 6083002809
	44055	642	650	3		Medium Pressure	1925	1950	1774	1	SANTA MARIA	6079012302, 6079012305, 6079012406, 6079012306, 6079011901
	44056	494	494	1		Medium Pressure	494	494	443	0	LANCASTER	6029005900
	44057	567	633	2		Medium Pressure	1133	1266	919	0	LANCASTER	6029005900
	44058	4	5	1		Medium Pressure	4	5	4	0	LANCASTER	6029005900
	44059	117	117	1		Medium Pressure	117	117	107	0	LANCASTER	6029005900
	44060	4990	5122	3	Station ID #: 449	Medium Pressure	14969	15366	14268	0	VENTURA	6111002800, 6111001511, 6111001509, 6111001510, 6111001303, 6111001508, 6111001304, 6111001402, 6111001506, 6111001507, 6111001201, 6111001302, 6111001401

	44061	2783	2811	4		Medium Pressure	11132	11242	10800	0	SIMI	6111009300, 6111007609, 6111007610, 6111007611, 6111007612, 6111007613, 6111007614, 6111007607, 6111007700
	44062	15	15	1		Medium Pressure	15	15	11	0	SIMI	6111009300, 6111007614
	44063	10	10	1		Medium Pressure	10	10	3	0	SIMI	6111007614
	44064	2007	2118	3		Medium Pressure	6022	6353	5704	0	SAN LUIS OBISPO	6079010603, 6079013000, 6079010506, 6079011505, 6079010505, 6079010602
	44065	249	249	1		Medium Pressure	249	249	248	0	SIMI	6111009300
	44066	2	2	1		Medium Pressure	2	2	1	0	SIMI	6111009300, 6111007614
	44067	34	34	1		Medium Pressure	34	34	16	0	LANCASTER	6037900602
	44069	265	265	1		Medium Pressure	265	265	262	0	SIMI	6111009300, 6111007613
	44071	2679	2735	3		Medium Pressure	8036	8205	7658	2	SANTA MARIA	6079012305, 6079012406, 6079012403, 6079012306, 6079012405, 6079012404
	44072	1330	1484	1		Medium Pressure	1330	1484	1300	0	SAN LUIS OBISPO	6079010504
	44073	1612	1614	1		Medium Pressure	1612	1614	1517	0	VENTURA	6111004717, 6111009100, 6111004716
	44074	256	256	1		Medium Pressure	256	256	186	0	VENTURA	6111005006, 6111009300, 6111005004
	44076	2080	2097	5		Medium Pressure	10401	10485	9699	0	VENTURA	6111009500, 6111000903, 6111001101, 6111001204, 6111000901, 6111001102, 6111000902, 6111001002
	44078	10	15	1		Medium Pressure	10	15	4	1	VENTURA	6111004704, 6111004715
	44079	53	53	1	Station ID #: 2592	Medium Pressure	53	53	30	1	VENTURA	6111004704

	44083	3556	3642	23	Station ID #: 9111	Medium Pressure	81799	83756	78594	6	VENTURA	6111003608, 6111003700, 6111004000, 6111004101, 6111004200, 6111004503, 6111004504, 6111003615, 6111003617, 6111003101, 6111003902, 6111004507, 6111004508, 6111005307, 6111003301, 6111005006, 6111005602, 6111003102, 6111009200, 6111003618, 6111008601, 6111003613, 6111003614, 6111003302, 6111005601, 6111008602, 6111005308
	44089	2916	2932	4		Medium Pressure	11663	11729	11048	1	LANCASTER	6037910210, 6037901007, 6037910215, 6037910212, 6037910401, 6037910211, 6037910217, 6037910214, 6037910218, 6037910216
	44091	34	34	1		Medium Pressure	34	34	32	0	LANCASTER	6037910218
	44092	215	215	1		Medium Pressure	215	215	197	0	LANCASTER	6037910213, 6037910401
	44093	2	2	1		Medium Pressure	2	2	0	0	LANCASTER	6037980004, 6037911100
	44094	1166	1168	1		Medium Pressure	1166	1168	1127	0	LANCASTER	6037910707, 6037910213, 6037910505
	44095	7709	8104	6		Medium Pressure	46252	48624	44469	5	BRANFORD, SATICOY	6037117404, 6037117520, 6037120300, 6037120400, 6037121210, 6037121600, 6037122000, 6037104821, 6037119201, 6037104404, 6037104704, 6037109603, 6037109604, 6037104403, 6037117101, 6037117201, 6037117407, 6037117408, 6037119342, 6037120103, 6037119001, 6037119202, 6037120104, 6037120107, 6037120108, 6037120105, 6037104823

	44096	3424	3512	4		Medium Pressure	13696	14048	13240	0	TEMPLETON	6079010202, 6079010204, 6079010303, 6079010104, 6079010103, 6079010205, 6079010101, 6079010301, 6079010206, 6079010302, 6079010207
	44097	553	615	1		Medium Pressure	553	615	552	0	VENTURA	6111009700
	44100	1869	1945	2		Medium Pressure	3738	3889	3590	0	SAN LUIS OBISPO	6079011600, 6079011704, 6079011706, 6079011705
	44101	4502	4507	3		Medium Pressure	13505	13520	12837	0	LANCASTER	6037910210, 6037901010, 6037901007, 6037901101, 6037901102, 6037910212, 6037901216, 6037901012, 6037910301, 6037910302, 6037910211, 6037901215, 6037901013, 6037901218, 6037910216
	44102	7196	7344	3		Medium Pressure	21589	22032	19932	1	SATICOY, CANOGA	6037131300, 6037115302, 6037131400, 6037131900, 6037115403, 6037132002, 6037132101, 6037117302, 6037132102, 6037115401, 6037115104, 6037980008, 6037115404, 6037131024, 6037131802, 6037131022, 6037131100, 6037131200, 6037132700, 6037132900, 6037131021, 6037131023, 6037131801, 6037132001, 6037132302, 6037132301

	44103	5804	6028	10	Station ID #: 2256, 700, 790	Medium Pressure	58038	60275	55874	4	SANTA MONICA, SATICOY, CANOGA	6037139703, 6037115302, 6037134101, 6037131600, 6037131702, 6037132501, 6037132502, 6037134904, 6037137104, 6037139001, 6037139402, 6037134901, 6037134905, 6037131701, 6037139401, 6037980024, 6037113427, 6037139506, 6037139505, 6037133101, 6037133102, 6037131024, 6037134801, 6037134802, 6037113424, 6037139802, 6037134720
	44104	224	230	1		Medium Pressure	224	230	198	0	SANTA BARBARA	6111009500
	44105	293	294	1		Medium Pressure	293	294	251	0	SANTA BARBARA	6111009500
	44106	2348	2350	3		Medium Pressure	7045	7051	6374	0	LANCASTER	6029005804, 6029005806, 6029005803, 6029005805, 6029005513, 6029005514
	44107	4234	4350	9		Medium Pressure	38109	39152	35263	4	SANTA MARIA, SAN LUIS OBISPO	6079011501, 6079011600, 6079012302, 6079010902, 6079011101, 6079011103, 6079011002, 6079010903, 6079012102, 6079011001, 6079013000, 6079011505, 6079010904, 6079011201, 6079011202, 6079011105, 6079011706, 6079012002, 6079011705, 6079012001, 6079012201, 6079012202, 6079011104, 6079011904, 6079011903, 6079011300, 6079011901

	44108	5406	5457	13	Station ID #: 2561, 327, 2547	Medium Pressure	70284	70938	64754	6	SANTA BARBARA	6083001704, 6083000302, 6111009500, 6083001001, 6083001403, 6083002937, 6083002935, 6083002934, 6083000805, 6083001307, 6083000806, 6083002933, 6083001308, 6083001002, 6083002936, 6083000201, 6083980300, 6083001404, 6083001208, 6083001604, 6083980000, 6083000102, 6083002924, 6083002926, 6083002932, 6083003007, 6083003005
	44109	453	495	1		Medium Pressure	453	495	461	0	TEMPLETON	6079012705
	44110	473	474	1		Medium Pressure	473	474	456	0	SANTA MARIA	6083002410, 6083002503, 6083002409, 6083002011, 6083002013
	44111	4554	4694	9	Station ID #: 2565	Medium Pressure	40985	42246	39384	5	SANTA MARIA	6083002211, 6083002410, 6083002406, 6083002308, 6083002503, 6083002407, 6083002409, 6083002310, 6083002309, 6083002405, 6083002307, 6083002008, 6083002009, 6083002011, 6083002012, 6083002205, 6083002101, 6083002102, 6083002103, 6083002013, 6083002206, 6083002209, 6083002210, 6083002304, 6083002014, 6079012306, 6083002015
	44112	2804	2914	3	Station ID #: 143	Medium Pressure	8412	8743	8000	0	VENTURA	6111000702, 6111000400, 6111000600, 6111000800, 6111000500, 6111000701
	44114	27	29	1		Medium Pressure	27	29	21	0	VENTURA	6111000500
	44116	644	644	1		Medium Pressure	644	644	689	0	VENTURA	6111000400
	44117	39	39	1		Medium Pressure	39	39	38	0	VENTURA	6111000400
	44119	1	1	1		Medium Pressure	1	1	1	0	VENTURA	6111000304
	44120	9	9	1		Medium Pressure	9	9	8	0	VENTURA	6111000400, 6111000500

	44121	56	56	1		Medium Pressure	56	56	48	0	VENTURA	6111001201, 6111000800
	44122	453	454	3		Medium Pressure	1359	1362	1303	0	VENTURA, SIMI	6111005305, 6111007613, 6111007607, 6111006400
	44123	1012	1013	5		Medium Pressure	5061	5063	4667	0	SANTA MARIA	6083001910, 6083001905, 6083001905, 6083001908, 6083001909, 6083001908
	44124	6	6	1		Medium Pressure	6	6	5	0	VENTURA	6111001302
	44125	3	3	1		Medium Pressure	3	3	2	0	VENTURA	6111009300
	44127	76	76	1	Station ID #: 2651	Medium Pressure	76	76	70	0	VENTURA	6111009300
	44128	2	4	1		Medium Pressure	2	4	4	0	VENTURA	6111009300
	44129	4488	4514	10		Medium Pressure	44881	45135	42636	3	SIMI	6111008307, 6111007515, 6111008308, 6111008502, 6111007516, 6111008501, 6111007505, 6111007507, 6111007513, 6111008002, 6111008004, 6111008101, 6111008201, 6111008202, 6111008302, 6111008303, 6111008401, 6111007512, 6111007510, 6111007613, 6111008402, 6111008304, 6111007800, 6111007700, 6111007903, 6111007904, 6111007506
	44131	632	632	1		Medium Pressure	632	632	574	0	VENTURA	6111009300, 6111005202
	44132	25	25	1		Medium Pressure	25	25	19	0	VENTURA	6111009300
	44134	12	12	1		Medium Pressure	12	12	10	0	VENTURA	6111009300
	44135	37	37	1		Medium Pressure	37	37	32	0	VENTURA	6111009300
	44136	1372	1399	2		Medium Pressure	2744	2798	2625	0	TEMPLETON	6079012707, 6079012706, 6079013100, 6079010302

	44137	8889	9031	6		Medium Pressure	53335	54186	51831	1	SIMI, CANOGA	6111007515, 6111006101, 6037800204, 6111007403, 6111007201, 6037800202, 6037800338, 6037800205, 6037800328, 6037800325, 6037800504, 6037800104, 6037800335, 6037800337, 6037800336, 6037800324, 6037800334, 6037800333, 6037800206, 6111007405, 6111007406, 6111007509, 6111007510, 6111007508, 6111005906, 6111006301, 6111006200
	44138	3901	3928	4		Medium Pressure	15602	15710	14566	2	SIMI	6111005803, 6111005804, 6111005602, 6111006101, 6111006102, 6111005901, 6111005908, 6111005909, 6111006000, 6111005910, 6111005801, 6111007300, 6111005911
	44139	2097	2098	2		Medium Pressure	4194	4195	4103	0	SANTA MARIA	6083002809, 6083002808
	44140	5	5	1		Medium Pressure	5	5	4	0	VENTURA	6111009500, 6111001204
	44141	3594	3621	7		Medium Pressure	25157	25344	23130	2	VENTURA	6111002700, 6111002800, 6111009600, 6111001901, 6111002302, 6111002301, 6111001801, 6111009400, 6111001602, 6111002000, 6111001202, 6111002102, 6111002200, 6111002400, 6111002500, 6111002600
	44143	1465	1721	1		Medium Pressure	1465	1721	1575	0	VENTURA	6111001201, 6111001204
	44144	616	616	1		Medium Pressure	616	616	593	0	VENTURA	6111009500, 6111001204
	44145	3123	3124	1		Medium Pressure	3123	3124	3027	0	LANCASTER	6037901101, 6037901214, 6037901012, 6037901014, 6037901216, 6037901003, 6037901013
	44147	28	28	1		Medium Pressure	28	28	23	0	SAN LUIS OBISPO	6079012302

	44148	5	5	1		Medium Pressure	5	5	5	0	TEMPLETON	6079012706
	44150	7	7	1		Medium Pressure	7	7	5	0	SAN LUIS OBISPO	6079012302
	44151	11	11	1		Medium Pressure	11	11	9	0	TEMPLETON	6079012706
	44152	13	13	1		Medium Pressure	13	13	12	0	SAN LUIS OBISPO	6079012302
	44156	104	105	2		Medium Pressure	207	210	181	0	VISALIA	6019001700, 6019007600
	44158	18	20	3		Medium Pressure	53	60	28	0	VISALIA	6019007700, 6019007600
	44161	499	506	1		Medium Pressure	499	506	424	0	BAKERSFIELD	6029006600
	44162	4	4	1		Medium Pressure	4	4	2	2	VISALIA	6019003900
	44163	4052	4052	1		Medium Pressure	4052	4052	3448	1	LANCASTER	6029005512, 6029005511, 6029005508
	44164	763	763	1		Medium Pressure	763	763	721	0	VISALIA	6019007500
	44166	22	22	1		Medium Pressure	22	22	18	0	VISALIA	6019007500
	44167	36	37	1		Medium Pressure	36	37	35	0	SAN LUIS OBISPO	6079010504
	44168	772	798	1		Medium Pressure	772	798	716	0	SAN LUIS OBISPO	6079010504
	44169	1103	1181	4		Medium Pressure	4413	4723	4210	0	VISALIA	6107003201, 6031980100, 6031001601, 6031001300, 6031001500, 6031001402, 6031001401
	44170	21	21	1		Medium Pressure	21	21	17	0	VISALIA	6031001300
	44172	1779	1782	2		Medium Pressure	3558	3564	3217	0	VISALIA	6107000600, 6107000202, 6107000203, 6107000204
	44174	228	228	1		Medium Pressure	228	228	201	0	BAKERSFIELD	6083001800
	44175	19	20	1		Medium Pressure	19	20	12	0	BAKERSFIELD	6083001800
	44176	204	206	2		Medium Pressure	407	411	381	3	VISALIA	6019006900
	44178	3900	4111	3		Medium Pressure	11701	12333	11435	1	BAKERSFIELD, VISALIA	6029004901, 6029004601, 6029004605, 6029005006, 6029005005, 6029004903, 6029004904, 6029004802, 6029004801, 6029004603, 6029005003, 6107004302, 6107004301, 6029004606, 6029004607
	44180	46	46	1		Medium Pressure	46	46	18	0	BAKERSFIELD	6029005003
	44182	129	150	1		Medium Pressure	129	150	94	2	BAKERSFIELD	6029003304
	44183	1005	1018	1		Medium Pressure	1005	1018	985	0	VISALIA	6107000502, 6107000401, 6107000303
	44184	2189	2251	3		Medium Pressure	6567	6752	6244	0	VISALIA	6107000502, 6107000401, 6019006501, 6107000402, 6107000501, 6019006301
	44186	3	3	1		Medium Pressure	3	3	3	0	VISALIA	6107000502
	44187	1917	1925	1	Station ID #: 1244	Medium Pressure	1917	1925	1757	0	VISALIA	6107004402, 6107004401
	44188	113	113	1		Medium Pressure	113	113	109	0	VISALIA	6107001400, 6107001501
	44189	90	90	1		Medium Pressure	90	90	68	0	VISALIA	6107001400, 6107001502
	44190	73	73	1		Medium Pressure	73	73	72	0	VISALIA	6107001502, 6107001602
	44191	1997	1999	2		Medium Pressure	3993	3998	3694	0	VISALIA	6107001400, 6107001502, 6107001501

	44192	1469	1469	1		Medium Pressure	1469	1469	1327	0	BAKERSFIELD	6029003308, 6029003305
	44194	19	19	1		Medium Pressure	19	19	15	0	BAKERSFIELD	6037901209
	44195	19	19	1		Medium Pressure	19	19	14	0	BAKERSFIELD	6037901209
	44196	33	33	1		Medium Pressure	33	33	106	0	VISALIA	6031000402
	44198	174	174	1		Medium Pressure	174	174	161	0	VISALIA	6031000500
	44199	9	9	1		Medium Pressure	9	9	5	1	BAKERSFIELD	6029006011, 6029003307
	44200	5	5	1		Medium Pressure	5	5	4	0	VISALIA	6031000100
	44202	1689	1720	3		Medium Pressure	5066	5159	4841	0	VISALIA	6031000500, 6031000800, 6031001002, 6031001003, 6031001100
	44203	2591	2605	7		Medium Pressure	18134	18237	16938	2	VISALIA	6031000902, 6031000603, 6031000604, 6031000901, 6031000100, 6031000500, 6031000602, 6031000701, 6031000702, 6031000800, 6031001001, 6031001002
	44204	129	132	2		Medium Pressure	257	263	218	0	BAKERSFIELD	6029002401, 6029006201
	44205	38	41	1		Medium Pressure	38	41	35	0	VISALIA	6107000801, 6107000802, 6107001304
	44206	9	11	1		Medium Pressure	9	11	5	0	VISALIA	6107001400
	44207	648	649	2	Station ID #: 1280	Medium Pressure	1296	1298	1181	0	VISALIA	6107000801, 6107000802, 6107001304
	44208	17	17	1		Medium Pressure	17	17	13	0	VISALIA	6019007300
	44209	34	34	1		Medium Pressure	34	34	32	0	VISALIA	6107000303
	44210	61	61	1		Medium Pressure	61	61	51	0	VISALIA	6107000303
	44211	42	42	1		Medium Pressure	42	42	39	0	VISALIA	6107000303
	44212	1366	1369	4	Station ID #: 1316B, 1318	Medium Pressure	5465	5474	5134	0	VISALIA	6107000303, 6019007300, 6019007400, 6019007204, 6019007203, 6019007202
	44214	25	25	1		Medium Pressure	25	25	17	0	VISALIA	6107000302, 6107000303
	44215	395	395	1		Medium Pressure	395	395	378	0	BAKERSFIELD	6029003305
	44216	2	2	1		Medium Pressure	2	2	2	0	BAKERSFIELD	6029006201
	44217	2008	2045	2		Medium Pressure	4016	4090	3664	1	BAKERSFIELD	6029006202, 6029006406, 6029006405, 6029006404, 6029006403, 6029006201
	44218	3	5	1	Station ID #: 1573	Medium Pressure	3	5	2	0	BAKERSFIELD	6029006202
	44219	91	91	2		Medium Pressure	181	181	144	0	VISALIA	6019007700
	44220	505	515	1		Medium Pressure	505	515	455	0	VISALIA	6019007400
	44224	492	496	1		Medium Pressure	492	496	430	1	BAKERSFIELD	6029003308, 6029006011
	44225	1901	1982	5	Station ID #: 1390	Medium Pressure	9506	9909	9163	1	VISALIA	6031000406, 6031000407, 6031000402, 6031001601, 6031000200, 6031000403, 6031000405, 6031000500
	44226	50	50	1		Medium Pressure	50	50	40	0	VISALIA	6031000200
	44231	25	25	1		Medium Pressure	25	25	24	0	VISALIA	6107002500
	44232	193	195	1		Medium Pressure	193	195	171	0	VISALIA	6107002500

	44233	2074	2112	2		Medium Pressure	4148	4224	3748	0	VISALIA	6107002601, 6107002602, 6107002500, 6107002800
	44234	10	10	1		Medium Pressure	10	10	10	0	BAKERSFIELD	6029003308, 6029003305
	44235	57	57	1		Medium Pressure	57	57	56	0	VISALIA	6107002500, 6107002800
	44236	6	8	1		Medium Pressure	6	8	5	0	SANTA MARIA	6083003102
	44237	2	2	1		Medium Pressure	2	2	2	0	SANTA MARIA	6083002809
	44238	11	11	1		Medium Pressure	11	11	11	0	SANTA MARIA	6083003102
	44239	678	682	1		Medium Pressure	678	682	573	0	VISALIA	6107000502, 6107000302, 6107000303, 6107000304
	44241	565	571	1		Medium Pressure	565	571	537	0	BAKERSFIELD	6029004500
	44243	2	2	1		Medium Pressure	2	2	0	0	BAKERSFIELD	6029004500
	44244	41	41	1		Medium Pressure	41	41	37	0	BAKERSFIELD	6029004500
	44245	13	13	1		Medium Pressure	13	13	10	0	BAKERSFIELD	6029004605, 6029004704
	44246	3292	3391	1	Station ID #: 1537	Medium Pressure	3292	3391	3265	0	BAKERSFIELD	6029004605, 6029004703, 6029004704, 6029004702
	44247	20	20	1		Medium Pressure	20	20	12	3	BAKERSFIELD	6029003900
	44249	19	22	2		Medium Pressure	37	43	27	1	BAKERSFIELD	6029003304
	44250	46	46	1		Medium Pressure	46	46	30	0	BAKERSFIELD	6029003304, 6029003307
	44253	47	47	1		Medium Pressure	47	47	27	0	BAKERSFIELD	6029003900
	44254	32	32	1	Station ID #: 1342	Medium Pressure	32	32	26	0	VISALIA	6019007300
	44255	123	123	1		Medium Pressure	123	123	100	0	VISALIA	6107000302, 6107000600, 6107000902, 6107000304
	44256	19	19	1		Medium Pressure	19	19	16	1	BAKERSFIELD	6029005103
	44258	111	114	1		Medium Pressure	111	114	98	0	SANTA MARIA	6079012302, 6079012306
	44263	2334	2694	1		Medium Pressure	2334	2694	2400	0	VISALIA	6107000202, 6019006502, 6019006501
	44264	1	1	1		Medium Pressure	1	1	1	0	SANTA MARIA	6083002809
	44265	1713	1868	2		Medium Pressure	3425	3735	3451	0	VISALIA	6019008501, 6019006802, 6019008504, 6019008503
	44266	5	5	1	Station ID #: 1379	Medium Pressure	5	5	5	0	VISALIA	6019006802
	44267	212	216	2		Medium Pressure	423	431	394	0	TEMPLETON	6079012707, 6079010302
	44268	6	6	1		Medium Pressure	6	6	4	0	TEMPLETON	6079010202
	44269	29	29	1		Medium Pressure	29	29	18	1	TEMPLETON	6079010302
	44270	7	7	1		Medium Pressure	7	7	5	0	TEMPLETON	6079010302
	44271	268	268	1		Medium Pressure	268	268	259	0	BAKERSFIELD	6029003308
	44272	1099	1101	1		Medium Pressure	1099	1101	918	0	VISALIA	6107004200
	44273	216	240	1		Medium Pressure	216	240	197	0	VISALIA	6107003302
	44274	34	34	1	Station ID #: 1640	Medium Pressure	34	34	26	0	BAKERSFIELD	6029004500, 6029004605, 6029004606
	44275	777	930	1		Medium Pressure	777	930	790	0	VISALIA	6107003202, 6107003401, 6107003201, 6107003302

	44276	2429	2460	8		Medium Pressure	19428	19679	18033	2	VISALIA	6107003902, 6107003904, 6107003401, 6107003302, 6107003601, 6107003602, 6107003700, 6107003801, 6107003802, 6107003301, 6107004104, 6107003504, 6107003503, 6107004103, 6107003903, 6107003501
	44277	1153	1156	2		Medium Pressure	2306	2311	2132	1	VISALIA	6107003904, 6107003401, 6107004102, 6107004104, 6107004103, 6107003402
	44278	148	148	1		Medium Pressure	148	148	132	0	VISALIA	6107003904
	44279	162	162	1		Medium Pressure	162	162	144	0	VISALIA	6107003401
	44280	44	44	1		Medium Pressure	44	44	41	0	VISALIA	6107003402
	44282	23	23	1		Medium Pressure	23	23	20	0	VISALIA	6107003902
	44283	6	6	1		Medium Pressure	6	6	4	0	VISALIA	6107003700, 6107003301
	44285	15	15	1		Medium Pressure	15	15	17	0	VISALIA	6107003902, 6107003402
	44287	129	131	1	Station ID #: 1374	Medium Pressure	129	131	103	0	VISALIA	6019007600, 6019007500
	44289	18	18	1	Station ID #: 1377	Medium Pressure	18	18	17	0	VISALIA	6019007600
	44290	33	33	1		Medium Pressure	33	33	23	0	VISALIA	6019006900, 6019006802
	44291	10	10	1		Medium Pressure	10	10	4	0	VISALIA	6019006802
	44292	3	3	1		Medium Pressure	3	3	2	0	VISALIA	6019006301
	44293	2686	2730	3	Station ID #: 1366	Medium Pressure	8058	8190	7664	0	VISALIA	6107000303, 6019006602, 6019006603, 6019006802, 6019006606, 6019006301, 6019006605, 6019006700
	44296	508	612	1		Medium Pressure	508	612	527	0	VISALIA	6029004605, 6107004500, 6107004301
	44297	10	10	1		Medium Pressure	10	10	5	0	VISALIA	6107004301
	44298	16	16	1		Medium Pressure	16	16	15	0	VISALIA	6107004301
	44300	3	3	1		Medium Pressure	3	3	3	0	VISALIA	6019007700, 6019007400
	44301	1079	1082	1		Medium Pressure	1079	1082	1010	0	VISALIA	6019007700
	44302	11	11	1		Medium Pressure	11	11	7	0	VISALIA	6019007700, 6019007400
	44303	19	19	1		Medium Pressure	19	19	19	0	VISALIA	6031000200, 6019007700
	44305	5	5	1		Medium Pressure	5	5	5	0	SANTA BARBARA	6083000501
	44307	11	11	1		Medium Pressure	11	11	10	0	SANTA BARBARA	6083001500
	44308	14	14	1		Medium Pressure	14	14	14	0	SANTA MARIA	6083001908
	44309	64	64	1		Medium Pressure	64	64	64	0	SANTA MARIA	6083001907
	44310	111	113	1	Station ID #: 1344	Medium Pressure	111	113	96	0	VISALIA	6019001700, 6019007300
	44311	802	941	1		Medium Pressure	802	941	896	0	VISALIA	6019006900, 6019007004, 6019007003
	44312	51	54	1		Medium Pressure	51	54	27	0	BAKERSFIELD	6029004500, 6029004305, 6029006600

	44313	1518	1527	4		Medium Pressure	6073	6106	5584	2	BAKERSFIELD	6029003900, 6029004101, 6029004102, 6029004305, 6029003823, 6029003213, 6029004001, 6029004002, 6029003827, 6029006600
	44314	379	389	1		Medium Pressure	379	389	337	0	VISALIA	6107002702
	44315	95	95	1		Medium Pressure	95	95	90	0	VISALIA	6107003902
	44316	89	89	1		Medium Pressure	89	89	93	0	LANCASTER	6029006011
	44317	365	365	1		Medium Pressure	365	365	339	0	LANCASTER	6029006011
	44318	4232	4390	4		Medium Pressure	16929	17560	16413	2	BAKERSFIELD	6029002820, 6029001801, 6029002804, 6029002806, 6029002807, 6029002811, 6029002813, 6029002814, 6029002816, 6029002817, 6029003221, 6029003135, 6029003212, 6029001804, 6029001803, 6029002824, 6029003220, 6029002825
	44319	142	142	1		Medium-pressure	142	142	142	0	VISALIA	6019001700
	44320	345	345	1		Medium-pressure	345	345	306	0	VISALIA	6031001601
	44322	385	407	2		Medium-pressure	770	814	748	0	VISALIA	6107003301
	44323	39	111	1	Station ID #: 1339	Medium-pressure	39	111	104	0	VISALIA	6107000304
	44324	87	87	1		Medium-pressure	87	87	82	0	BAKERSFIELD	6029003303, 6029003500, 6029003304
	44326	37	37	1		Medium-pressure	37	37	17	0	BAKERSFIELD	6029003500, 6029003304
	44328	11	11	1		Medium-pressure	11	11	9	0	BAKERSFIELD	6029003400
	44330	56	56	1		Medium-pressure	56	56	52	0	LANCASTER	6029006012, 6029006010
	44332	49	49	1		Medium-pressure	49	49	44	0	LANCASTER	6029006010, 6029006006
	44333	1828	1835	2		Medium-pressure	3655	3669	3365	1	LANCASTER	6029006003, 6029006101, 6029006102, 6029006012, 6029006006
	44335	10	10	1		Medium-pressure	10	10	4	1	LANCASTER	6029006011, 6029006012
	44336	43	43	1		Medium-pressure	43	43	38	0	LANCASTER	6029006012, 6029006006
	44337	2127	2128	2		Medium-pressure	4253	4255	3868	1	LANCASTER	6029006004, 6029006101, 6029006102, 6029006012
	44338	86	86	1		Medium-pressure	86	86	66	0	TEMPLETON	6079010302
	44339	73	73	1		Medium-pressure	73	73	54	0	VISALIA	6107004500
	44340	42	42	1		Medium-pressure	42	42	38	0	VISALIA	6107004500
	44341	352	360	2		Medium-pressure	704	719	622	1	VISALIA	6107004500, 6107003401, 6107003402
	44342	262	264	1		Medium-pressure	262	264	191	0	VISALIA	6107004200
	44343	713	749	1		Medium-pressure	713	749	677	0	VISALIA	6107003201
	44345	19	21	1		Medium-pressure	19	21	14	0	VISALIA	6107003201
	44346	175	196	1		Medium-pressure	175	196	174	1	VISALIA	6107000302

	44347	1635	1678	7	Station ID #: 1269, 1250A	Medium-pressure	11443	11743	11128	2	VISALIA	6107002901, 6107002903, 6107002904, 6107003002, 6107001602, 6107003100, 6107002402, 6107002403, 6107002010, 6107002401, 6107002302, 6107002303
	44350	4	4	1		Medium-pressure	4	4	3	0	VISALIA	6107003100
	44351	107	107	1		Medium-pressure	107	107	85	0	VISALIA	6107002100, 6107003100
	44352	187	187	1		Medium-pressure	187	187	162	0	VISALIA	6107003100
	44353	2139	2155	6		Medium-pressure	12835	12929	11736	1	VISALIA	6107002204, 6107002203, 6107002304, 6107002901, 6107002903, 6107003001, 6107003002, 6107002100, 6107003100, 6107002303, 6107002202
	44354	46	46	2		Medium-pressure	92	92	68	1	BAKERSFIELD	6029003304
	44355	43	43	1		Medium-pressure	43	43	43	0	BAKERSFIELD	6029003304
	44356	467	467	1		Medium-pressure	467	467	398	0	BAKERSFIELD	6029003304
	44357	47	48	1		Medium-pressure	47	48	40	0	VISALIA	6107001304
	44360	905	916	2		Medium-pressure	1809	1832	1444	1	VISALIA	6107001305, 6107001102, 6107001101, 6107001006, 6107001200
	44361	61	61	1		Medium-pressure	61	61	60	0	VISALIA	6107002401
	44362	272	272	1		Medium-pressure	272	272	269	0	VISALIA	6107001304
	44363	149	153	1		Medium-pressure	149	153	119	0	VISALIA	6107002010, 6107002401, 6107002011
	44364	4	4	1		Medium-pressure	4	4	3	0	VISALIA	6107001706
	44365	749	763	1		Medium-pressure	749	763	677	0	VISALIA	6107000902, 6107000802
	44367	10	13	1		Medium-pressure	10	13	10	0	VISALIA	6107001703
	44368	147	148	1		Medium-pressure	147	148	126	0	VISALIA	6107002010, 6107002011
	44369	9	9	1		Medium-pressure	9	9	6	0	VISALIA	6107002006
	44370	40	40	1		Medium-pressure	40	40	36	0	VISALIA	6107000802
	44371	2280	2336	3		Medium-pressure	6839	7007	6464	3	BAKERSFIELD	6029004402, 6029004500, 6029004305, 6029004304, 6029004404, 6029004403, 6029004303
	44372	2	2	1		Medium-pressure	2	2	2	0	BAKERSFIELD	6029004605
	44374	23	28	1		Medium-pressure	23	28	11	0	BAKERSFIELD	6029003900, 6029004305, 6029004605
	44375	38	38	1		Medium-pressure	38	38	15	1	BAKERSFIELD	6029006011
	44376	2437	2489	1		Medium-pressure	2437	2489	2293	0	VISALIA	6107000701, 6107000102, 6107000702
	44377	440	446	1		Medium-pressure	440	446	392	0	VISALIA	6107003202
	44378	73	77	1		Medium-pressure	73	77	68	0	VISALIA	6107000600

	44379	5322	5398	6	Station ID #: 970	Medium-pressure	31933	32390	29646	2	LANCASTER	6037910501, 6037910706, 6037910601, 6037910712, 6037910713, 6037980004, 6037910709, 6037910606, 6037910404, 6037910602, 6037910707, 6037910504, 6037910607, 6037910717, 6037910608, 6037910718, 6037911100, 6037910405, 6037910715, 6037910716, 6037910505, 6037910502, 6037910605, 6037910714, 6037910720, 6037910721, 6037910719
	44380	12	12	1		Medium-pressure	12	12	11	0	VALENCIA	6037910814
	44381	8	8	1		Medium-pressure	8	8	7	0	VALENCIA	6037910804
	44382	2	2	1		Medium-pressure	2	2	2	0	VALENCIA	6037910804
	44383	22	22	1		Medium-pressure	22	22	15	0	BAKERSFIELD	6029006600
	44386	284	287	1		Medium-pressure	284	287	258	1	BAKERSFIELD	6029004802, 6029004607
	44388	1	10	1		Medium-pressure	1	10	0	0	BAKERSFIELD	6083001800
	44390	9	9	1		Medium-pressure	9	9	5	0	BAKERSFIELD	6079012708, 6083001800
	44391	367	369	1		Medium-pressure	367	369	334	0	TEMPLETON	6079010016
	44392	148	148	1		Medium-pressure	148	148	136	0	TEMPLETON	6079010016
	44393	20	20	1		Medium-pressure	20	20	18	0	BAKERSFIELD	6029006600
	44394	23	23	1		Medium-pressure	23	23	11	0	BAKERSFIELD	6029006600
	44395	5	5	1		Medium-pressure	5	5	1	0	BAKERSFIELD	6029006202
	44396	14	21	1		Medium-pressure	14	21	9	0	BAKERSFIELD	6029003222
	44398	4	4	1		Medium-pressure	4	4	3	0	LANCASTER	6037900902, 6037901300
	44399	2	2	1		Medium-pressure	2	2	2	0	BAKERSFIELD	6037901209, 6029003305
	44400	57	57	1		Medium-pressure	57	57	55	0	SAN LUIS OBISPO	6079011600
	44401	2	2	1		Medium-pressure	2	2	2	0	BAKERSFIELD	6029003900
	44402	7	7	1		Medium-pressure	7	7	4	0	BAKERSFIELD	6029004500
	44403	7	7	1		Medium-pressure	7	7	5	0	BAKERSFIELD	6029004605
	44404	21	21	1		Medium-pressure	21	21	22	0	TEMPLETON	6079010303, 6079010016
	44405	2	2	1		Medium-pressure	2	2	1	0	BAKERSFIELD	6029003222
	44406	29	33	1		Medium-pressure	29	33	21	0	BAKERSFIELD	6029003307
	44407	1	1	1		Medium-pressure	1	1	0	0	BAKERSFIELD	6111009700, 6083001800
	44408	1005	1006	1		Medium-pressure	1005	1006	953	0	VALENCIA	6037920314
	44410	1	1	1		Medium-pressure	1	1	1	0	BAKERSFIELD	6029004500
	44411	6	6	1		Medium-pressure	6	6	6	0	BAKERSFIELD	6029003222
	44412	1	3	1		Medium-pressure	1	3	3	0	BAKERSFIELD	6029003305
	44413	1	1	1		Medium-pressure	1	1	1	0	SANTA MARIA	6083002006
	44414	5	5	1		Medium-pressure	5	5	5	0	BAKERSFIELD	6029003304
	44415	1434	1442	1		Medium-pressure	1434	1442	1413	0	LANCASTER	6037910213, 6037910401, 6037910217

	44416	3518	3560	15	Station ID #: 1152	Medium-pressure	52765	53397	50151	4	VISALIA	6107001705, 6107002006, 6107000901, 6107001010, 6107001009, 6107001008, 6107001306, 6107001011, 6107002010, 6107001007, 6107001012, 6107002011, 6107001303, 6107001305, 6107001706, 6107001102, 6107001101, 6107001304, 6107001005, 6107001006, 6107001200, 6107001701, 6107001703, 6107001800, 6107001901, 6107001902, 6107002002
	44417	8	8	1		Medium-pressure	8	8	8	0	LANCASTER	6029005514
	44418	5484	5518	4		Medium-pressure	21936	22070	20365	1	LANCASTER	6037900701, 6037900505, 6037900506, 6037901300, 6037900509, 6037900510, 6037900501, 6037900504, 6037900508, 6037900704, 6037900608, 6037900609, 6037900611, 6037900607, 6037900301, 6037900610, 6037900602, 6037900606
	44419	2	2	1		Medium-pressure	2	2	2	0	VALENCIA	6037910804
	44420	2	2	1		Medium-pressure	2	2	2	0	TEMPLETON	6079010207
	44421	15	15	1		Medium-pressure	15	15	13	0	LANCASTER	6037900901
	44422	113	113	1		Medium-pressure	113	113	120	0	LANCASTER	6037900901, 6037901216
	44426	3	3	1		Medium-pressure	3	3	3	0	VALENCIA	6037910814
	44427	1	1	1		Medium-pressure	1	1	1	0	LANCASTER	6037910804, 6037910815
	44430	42	42	1		Medium-pressure	42	42	26	0	SANTA BARBARA	6083002932

	45001	5289	5903	12		Medium-pressure	63473	70837	64479	1	ALHAMBRA, GLENDALE, PASADENA	6037183810, 6037183221, 6037183222, 6037183401, 6037183402, 6037183701, 6037183702, 6037186201, 6037186203, 6037186302, 6037186403, 6037186404, 6037201601, 6037201602, 6037183103, 6037183104, 6037185203, 6037185204, 6037480702, 6037480802, 6037186100, 6037181300, 6037463800, 6037480803, 6037480804, 6037181400, 6037181000,
	45002	7019	7388	48	Station ID #: 2106, 2305, 2275, 821, 0806N, 951, 786	Medium-pressure	336909	354605	316879	23	SANTA MONICA, BRANFORD, SATICOY, CANOGA, HOLLYWOOD, JUANITA, GLENDALE, PASADENA	6037300100, 6037300501, 6037310701, 6037310100, 6037300200, 6037300400, 6037300701, 6037300902, 6037301400, 6037301501, 6037301502, 6037301601, 6037301701, 6037301602, 6037301702, 6037302002, 6037310703, 6037310900, 6037311000, 6037311100, 6037311200, 6037311300, 6037311400, 6037302202, 6037300702, 6037123602, 6037122410,

	45003	5610	6089	5		Medium-pressure	28050	30445	27685	4	BRANFORD, SATICOY, VALENCIA	6037320300, 6037106020, 6037106111, 6037106408, 6037106405, 6037106407, 6037106648, 6037320201, 6037320202, 6037107010, 6037107020, 6037106010, 6037106406, 6037109100, 6037109500, 6037106649, 6037106112, 6037106113, 6037106114, 6037106403, 6037106510, 6037106520, 6037106604, 6037320102, 6037980022, 6037320101
	45005	3647	4055	3		Medium-pressure	10942	12165	10706	0	BRANFORD, VALENCIA	6037980021, 6037104124, 6037104204, 6037104703, 6037104704, 6037320202, 6037103202, 6037104201, 6037104310, 6037104401, 6037104701, 6037104108, 6037106112, 6037104103, 6037104105, 6037930400, 6037320102, 6037104203, 6037104321, 6037104322

	45008	9045	9634	12		Medium-pressure	108537	115610	101188	6	ALHAMBRA, BELVEDERE, AZUSA, PASADENA	6037430502, 6037482301, 6037482303, 6037400603, 6037430801, 6037482304, 6037482401, 6037431501, 6037431502, 6037433304, 6037433305, 6037433306, 6037482503, 6037433402, 6037480011, 6037433307, 6037430003, 6037430301, 6037434004, 6037433804, 6037482522, 6037434100, 6037434003, 6037480012, 6037431200, 6037431800, 6037431300, 6037482502,
	45009	5068	5227	31		Medium-pressure	157106	162037	143800	9	ALHAMBRA, BELVEDERE, GLENDALE, PASADENA	6037480302, 6037460401, 6037461502, 6037461901, 6037461902, 6037462002, 6037462201, 6037462202, 6037462301, 6037482201, 6037482202, 6037482301, 6037482303, 6037462302, 6037463602, 6037482304, 6037482503, 6037480011, 6037481711, 6037482600, 6037482701, 6037480303, 6037482702, 6037183702, 6037481605, 6037481606,
	45014	1686	1700	2		Medium-pressure	3372	3399	2894	0	BELVEDERE, GLENDALE	6037207103, 6037980010, 6037207101, 6037207102, 6037206010, 6037206020, 6037207400

	45020	3688	4077	7		Medium-pressure	25815	28542	27150	6	VALENCIA	6037920314, 6037920043, 6037920313, 6037920322, 6037920339, 6037920328, 6037920329, 6037920330, 6037920334, 6037920042, 6037920343, 6037920342, 6037920341, 6037920340, 6037920114, 6037920331, 6037920332, 6037920338, 6037930400, 6037920326, 6037920031, 6037920115, 6037920013, 6037920312
	45023	2	2	1		Medium-pressure	2	2	1	0	VALENCIA	6037920200, 6037920102
	45026	4	4	1		Medium-pressure	4	4	3	0	VALENCIA	6037920104, 6037920102
	45027	4306	4936	12	Station ID #: 878	Medium-pressure	51673	59226	56335	2	VALENCIA	6037910809, 6037920020, 6037920045, 6037910810, 6037920043, 6037920044, 6037920040, 6037920030, 6037920028, 6037920035, 6037920038, 6037920041, 6037920109, 6037920039, 6037920110, 6037920111, 6037920112, 6037920034, 6037910808, 6037920339, 6037920042, 6037920047, 6037920046, 6037920049, 6037920048, 6037920114, 6037920120
	45030	2163	2180	2		Medium-pressure	4325	4359	4166	0	VALENCIA	6037920104, 6037920118, 6037920339, 6037920116, 6037920119, 6037920106
	45034	224	226	2		Medium-pressure	448	452	406	0	VALENCIA	6037910810, 6037910814
	45035	2	2	1		Medium-pressure	2	2	2	0	VALENCIA	6037910814
	45036	10	10	1		Medium-pressure	10	10	10	0	VALENCIA	6037910814
	45042	140	140	1		Medium-pressure	140	140	73	0	ALHAMBRA	6037433103
	45044	553	553	1		Medium-pressure	553	553	463	1	INDUSTRY	6037402404, 6037402403, 6037409000

	45045	7551	7840	31	Station ID #: 432	Medium-pressure	234077	243046	226975	37	INDUSTRY, WHITTIER, AZUSA, CHINO	6037407101, 6037400501, 6037401303, 6037401304, 6037400603, 6037403802, 6037408623, 6037500202, 6037406702, 6037404201, 6037404504, 6037405301, 6037405302, 6037408006, 6037408136, 6037408138, 6037408139, 6037408724, 6037408302, 6037408004, 6037407601, 6037408003, 6037407902, 6037407501, 6037406602, 6037403500, 6037406101, 6037405317,
	45046	4295	4380	7		Medium-pressure	30065	30661	27972	3	INDUSTRY, AZUSA, CHINO	6037402200, 6037402406, 6071000403, 6037402001, 6037402303, 6037402404, 6037402403, 6037402504, 6037402405, 6037402705, 6037402706, 6037402803, 6037402804, 6037402903, 6037402601, 6037402602, 6037402801, 6037402902, 6037403000, 6071000401, 6037402503, 6037409000, 6037402304, 6037408800, 6037401500, 6037402101
	45048	7	50	1		Medium-pressure	7	50	5	0	INDUSTRY	6037409000
	45049	56	66	1		Medium-pressure	56	66	38	0	INDUSTRY	6037409000
	45051	48	48	1		Medium-pressure	48	48	16	0	AZUSA	6037401500
	45052	3379	3461	1		Medium-pressure	3379	3461	3205	0	AZUSA	6037402001, 6037402002, 6037401802, 6037401801, 6037401901, 6037401902
	45055	441	685	1		Medium-pressure	441	685	608	1	VALENCIA	6037920314, 6037920030, 6037920031, 6037920013
	45057	14	78	1		Medium-pressure	14	78	76	0	VENTURA	6111009700
	45058	1365	1450	2		Medium-pressure	2729	2900	2702	1	VALENCIA	6037920104, 6037920200, 6037920116, 6037920102

Total	Totals or Averages Across All Pressure Districts	3673	3823	1677	100	NA	6158874	6410374	5865457	625	N/A	NA
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Summary

- a. In the tab “Summary,” provide the rows of information shown. In the first column, provide the Row ID, as shown; in the second column, provide the Program Category, as shown; in the third column, provide the Row Name, as shown; in the fourth column, provide the value, calculated as described in the definition, averaged across 2021 through 2024; and in the fifth column, provide the Definition, as shown.

Costs by Operating District

- b. In the tab “Costs by Operating District,” provide the program accomplishments and costs shown (rows), broken down by operating district (columns). In the first four columns, provide the Row ID, Program Category, Row Name and Definition, as shown. Next provide a column for each operating district, with the heading stating the district’s name and ID number, and in it, include only the information for work orders in that operating district. In the last column, provide the information across all operating districts (totals unless definition is an average, in which case provide average across all operating districts).

Pressure Districts

- c. In the tab “Pressure Districts,” provide the columns of information shown for all pressure districts operated by the utility, with a row for each pressure district. In the first row, provide the Column Name, as shown; in the second row, provide the Definition, as shown; and in the following rows, provide the current value, calculated or identified as described in the definition. In the last row, provide the information across all pressure districts (totals unless definition is an average, in which case provide average across all pressure districts shown in preceding columns).

1. *Definitions*

For the data required in this template, use the following definitions unless otherwise stated:

- a. Data time period: Annual for calendar years 2021-2024, averaged across these four years.
- b. Main and service replacement programs:
 - i. PG&E: Plastic Pipeline Replacement Program (MAT Code 14D) (which covers aldy1-A); Gas Pipeline Replacement Program (14A) (which covers pre-1941 steel); Reliability Main Replacement Program (50A)
 - ii. SoCalGas/SDG&E: Vintage Integrity Plastic Plan (within Budget Code 277); Bare Steel Replacement Plan (within 277) (which covers pre-1972 steel without cathodic protection); Main Replacement Programs (252, 253, 255, 267, 278[1])
 - iii. Southwest Gas: Targeted Pipe Replacement Program (which covers Driscopipe 7000 plastic[2]) (within budget code 9636); Vintage Steel Program (which covers pre-1961 steel) (within 9636 and 9605)
- c. Service-only replacement programs:
 - i. PG&E: Reliability Service Replacement Program (50B)
 - ii. SoCalGas/SDG&E: Service Replacement Programs (256, 257, 258, 260)
 - iii. Southwest Gas: Customer-Owned Yard Line Program (school and non-school locations)
 - iv. Regulator station replacement programs: PG&E: Regulator Station Rebuilds (50C)
 - v. SoCalGas/SDG&E: rebuilds/replacements within Regulator Stations Program (within budget code 265; exclude non-replacement activities not addressed here)
- d. Operating Districts:[3]
 - i. PG&E: provide name and number of 18 divisions.[4]
 - ii. SoCalGas: provide name and number of about 50 gas districts.[5]
 - iii. SDG&E: provide name and number of 5 districts.[6]
 - iv. Southwest Gas: provide name and number of 7 districts.[7]
- e. Work order: Common identifier used by the gas utility to track gas infrastructure work at a given location. For example, the replacement of five adjacent services and the mains serving them typically would be tracked as one work order. The term “project” is also used in this document to refer to a work order.

- f. Costs: Provide the costs for all work orders associated with the program, as recorded for the applicable years. That is, state the amount totaled across the program's work orders. Include costs under the year they were incurred. Include all the costs described in the cost category, regardless of what budget code they are recorded under.
- g. Pressure District: Set of customer meters, services and mains that together depends on one or more gas distribution regulator stations, and not on other gas distribution regulator stations.[8] Note that operating districts and pressure districts are not the
 - i. SoCalGas: about 750 pressure systems.[9]
 - ii. PG&E: about 1200 hydraulically independent systems.[10]
 - iii. Southwest Gas: Fewer systems due to smaller footprint in California.
- h. Pressure Category: Describes the pressure in a pressure district or the outgoing pressure from a regulator station that serves a pressure district.[11]
 - i. Medium-pressure: pressure of 1 through 60 psig, and the regulator station is not "HPR-type"
 - ii. Low-pressure: pressure less than 1 psig

[1] Workpaper includes these codes within work group 252. Southern California Gas Company, submitted in SoCalGas General Rate Case A.22-05-015 for years 2024-2027, Work Unit/ Activity Level Estimates, SCG-04-CWP-R_Mario_Aguirre-Gas_Distribution_49456.pdf, pp. 45 &ff.

[2] Driscopipe 7000 was installed in 1974-1980. See Prepared Direct Testimony of Kevin Lang on behalf of Southwest Gas Corporation, submitted in Southwest Gas General Rate Case A.22-05-015, August 2019, <https://docs.cpuc.ca.gov/PublishedDocs/SupDoc/A1908015/2695/338276400.pdf>, p. 5.

[3] Consistent definitions were used for Operating District in Gas System Census Tract Data, filed by gas utilities in response to *Administrative Law Judge's Ruling Seeking Data from Gas Utilities* in R.24-09-012, January 13, 14, and 17, 2024, posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>. See definitions in *Administrative Law Judge's Ruling Seeking Revised Data from Gas Utilities* in R.20-01-007, September 22, 2022, <https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/rulings/revisedgassystemdataruling09212022.pdf>, also available on the CPUC's R.20-01-007 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[4] PG&E's 18 Divisions have been reported as: Diablo, East Bay, Mission, Peninsula, De Anza, San Jose, San Francisco, Central Coast, Fresno, Kern, Stockton, Yosemite, North Bay, Sonoma, Humboldt, Northern Valley, Sacramento, and Sierra. For 14A and 14D distribution pipeline replacement contracts, these divisions are used as bid areas, while for some other contract types they may be combined into 8 larger bid areas.

[5] SoCalGas' 50 districts have been reported as: Orange Coast – Azusa, Anaheim, Alhambra, Aliso Viejo, Downey, Garden Grove, Industry, La Jolla, Pasadena, Santa Ana, Whittier (group 1); Inland – Beaumont, Corona, Chino, Fontana, Murrieta, Ramona, Redlands, Rim Forest, Riverside, San Bernardino (group 2); Inland Desert – Blythe, El Centro, Palm Desert, Yucca Valley (group 3); Lower Los Angeles – 182nd, Belvedere, Crenshaw, Compton, Hollywood, Huntington Park, Juanita, Santa Monica, San Pedro (group 4); Upper Los Angeles/SFV – Branford, Canoga Park, Chatsworth, Glendale, Lancaster, Mojave, Simi Valley, Saticoy, Valencia (group 5); Central Coast - Goleta, Ventura/Oxnard, Santa Barbara, Santa Maria, San Luis Obispo, Templeton (group 6); and San Joaquin Valley – Bakersfield, and Visalia (group 7). The groupings are used for some contract cost purposes.

[6] SDG&E's five districts are Beach Cities, Eastern, Metro, North Coast, and Northeast.

[7] Southwest Gas' seven districts are: District 11-Barstow; District 12-Victorville; District 13-Big Bear; District 14-North Lake Tahoe; District 15-Truckee; District 16-South Lake Tahoe; District 19-Needles.

[8] Pressure districts are also discussed in *Recommendations for SB 1221 California Natural Gas System Mapping*, CPUC Energy Division Staff Proposal, February 20, 2025, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897432.PDF>, p. 15. For additional background on pressure zones, see DeWitte, Tom and Coolidge, Tom, *Understanding Pressure Zones*, April 2024, <https://community.esri.com/t5/gas-and-pipeline-blog/understanding-pressure-zones/ba-p/1416830>.

[9] SoCalGas provided pressure district data including meters served and overlapping census tracts per ruling in proceeding R.20-01-007, now available as “demand nodes csv” and “May 20 demand nodes csv” on the “Long Term Gas Planning Rulemaking-Closed” webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[10] *Recommendations for SB 1221 California Natural Gas System Mapping*, p. 15. See also Gas System Census Tract Data Notes, filed by PG&E in response to *Administrative Law Judge's Ruling Seeking Data from Gas Utilities* in R.24-09-012, January 13, 2024, https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/pge/gassystemcensustractdatanotes_pgne.pdf, p. B-18, also posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>.

[11] Exclude HPR-type regulators from this analysis. “HPR-type” means reduces to pressure of 1 through 60 psig and is an “HPR-type” regulator station or a district served by such a station. “HPR-type” refers to a regulator station that uses any of the following spring-operated regulators: Fisher 621, Fisher 627, Fisher 630, Reliance Model HPR 10, Reliance Model HPR 20, Reliance Model HPR 268, Rockwell 141, Rockwell 141A, Rockwell 041, Sprague/Itron B35. HPR-type regulators are excluded because they are smaller and simpler than medium-pressure and low-pressure regulators. These definitions align with regulator station categories proposed in Appendix B *Direction to Utilities Draft for Comment*, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897318.PDF>. Transmission-level regulator stations are not included.

Cost Group	Cost Category	Definition
Other Misc Costs	Fleet	Use of utility-owned vehicles.
Other Misc Costs	Permitting	Costs of acquiring local permits.
Other Misc Costs	AFUDC	Allowance funds used during construction. Refers to the costs of construction-related borrowing.
Other Misc Costs	Land	Payments for easements or right-of-way.
Other Misc Costs	Other	Include utility-owned and utility-rented building and facilities overhead; taxes other than payroll; discounts from contractors; minor materials, e.g. fuel, office supplies and safety equipment; shipping and hazardous waste costs; and other minor costs associated with these activities. Also include these gas distribution replacement activities' share of the cost of capital tools, e.g., pipe cutting and tapping equipment.
Other Misc Costs	Administrative & General Costs	Exclude permitting. Include other capitalized A&G costs. Note this tends to be a relatively large category.

ATTACHMENT C

Row ID	Row Name	Value	Definition [1]	General Rate Case Citation (document and page number)
G1	Maintenance cost per service	\$27.32	Average cost of gas distribution pipeline maintenance, per service. Calculated by adding G3 and G4, then dividing by G2. [2]	NA
G2	Services	4587642	Number of services operated by the utility.	NA
G3	Total capital maintenance costs	NA	Annual capital cost of all gas distribution main and service leak detection and prevention, maintenance, and repairs, <i>excluding</i> pipeline replacement.	NA
G4	Total O&M maintenance costs	\$125,343,902.97	Annual operations and maintenance cost of all gas distribution main and service leak detection and prevention, maintenance, and repairs, excluding pipeline replacement. [3]	NA
G5	[cost component]	[value]	[definition]	[citation]
G6	[cost component]	[value]	[definition]	[citation]
G7	[cost component]	[value]	[definition]	[citation]
...				

[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

[2] "Definition" defines this field as (G3+G4)/G2 (Annual Cost divided by Number of Services), this value equals the Average Maintenance Cost for one year divided by the Total Number of Services Operated by the Utility. Total Loaded Cost per Total Number of Services across all 4 years is \$109.29.

[3] This value represents the Average Loaded Cost per Year. Total Loaded Cost across all 4 years (2021 to 2024) is \$501,375,611.89.

Row ID	Row Name	Value	Definition [1]	General Rate Case Citation (document and page number)
H1	<i>Maintenance cost per regulator station</i>	\$1,542.40	Average cost of maintaining gas distribution medium-pressure regulator stations, per service. Calculated by adding H3 and H4, then dividing by H2. [2]	NA
H2	Regulator stations	1677	Number of gas distribution regulator stations operated by the utility. Include only the medium-pressure stations included in the F4 total.	NA
H3	Total capital maintenance costs	NA	Annual capital cost of all medium-pressure gas distribution regulator station leak detection and prevention, maintenance, and repairs, <i>excluding</i> station replacement.	NA
H4	Total O&M maintenance costs	\$2,586,612.95	Annual operations and maintenance cost of all medium-pressure gas distribution regulator station leak detection and prevention, maintenance, and repairs, excluding station replacement. [3]	NA
H5	[cost component]	[value]	[definition]	[citation]
H6	[cost component]	[value]	[definition]	[citation]
H7	[cost component]	[value]	[definition]	[citation]
...				

[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

[2] "Definition" defines this field as (H3+H4)/H2 (Annual Cost divided by Number of Regulator Stations), this value equals the Average Maintenance Cost for one year divided by the Total Number of Regulator Stations Operated by the Utility. Total Loaded Cost per Total Regulator Stations across all 4 years is \$6,169.62.

[3] This value represents the Average Loaded Cost per Year. Total Loaded Cost across all 4 years (2021 to 2024) is \$10,346,451.78.

Distribution Pipelines

a. In the tab “Distribution Pipelines,” provide the information shown. In the first two columns, provide the Row ID, and Row Name, as shown; in the third column, provide the information requested; and in the fourth column, provide the Definition, as shown. Provide additional rows showing the cost components which sum to G3 and to G4, as categorized in the utility’s rate case workpapers, and a final column showing general rate case citations for each cost component, including page numbers. If the general rate case application was submitted before 2025, dollar values in rate case citations may be different from values reported here. Include only and all such actual costs borne by ratepayers. Include activities that support gas distribution pipeline safety such as leak surveys and locate-and-mark programs.

Medium-Pressure Regulator Stations

b. In the tab “Medium-Pr Regulator Stations,” provide the information shown. In the first column two columns, provide the Row ID, and Row Name, as shown; in the third column, provide the information for medium-pressure regulator stations; in the fourth column, provide the information for low-pressure regulator stations; and in the fifth column, provide the Definition, as shown. Provide additional rows showing the cost components which sum to H3 and to H4, as categorized in the utility’s rate case workpapers, and a final column showing general rate case citations for each cost component, including page numbers. If the general rate case application was submitted before 2025, dollar values in rate case citations may be different from values reported here. Include only and all such actual costs borne by ratepayers. Include costs associated with maintaining regulator station locations and on-site equipment, such as SCADA equipment, vault lids, fencing, and access roadway maintenance.

1. Definitions

For the data required in this template, use the following definitions unless otherwise stated:

- a. Data time period: Annual for calendar years 2021-2024, averaged across these four years.
- b. Main and service replacement programs:
 - i. PG&E: Plastic Pipeline Replacement Program (MAT Code 14D) (which covers aldy1-A); Gas Pipeline Replacement Program (14A) (which covers pre-1941 steel); Reliability Main Replacement Program (50A)
 - ii. SoCalGas/SDG&E: Vintage Integrity Plastic Plan (within Budget Code 277); Bare Steel Replacement Plan (within 277) (which covers pre-1972 steel without cathodic protection); Main Replacement Programs (252, 253, 255, 267, 278[1])
 - iii. Southwest Gas: Targeted Pipe Replacement Program (which covers Driscopipe 7000 plastic[2]) (within budget code 9636); Vintage Steel Program (which covers pre-1961 steel) (within 9636 and 9605)
- c. Service-only replacement programs:
 - i. PG&E: Reliability Service Replacement Program (50B)
 - ii. SoCalGas/SDG&E: Service Replacement Programs (256, 257, 258, 260)
 - iii. Southwest Gas: Customer-Owned Yard Line Program (school and non-school locations)
 - iv. Regulator station replacement programs: PG&E: Regulator Station Rebuilds (50C)
 - v. SoCalGas/SDG&E: rebuilds/replacements within Regulator Stations Program (within budget code 265; exclude non-replacement activities not addressed here)
- d. Operating Districts:[3]
 - i. PG&E: provide name and number of 18 divisions.[4]
 - ii. SoCalGas: provide name and number of about 50 gas districts.[5]
 - iii. SDG&E: provide name and number of 5 districts.[6]
 - iv. Southwest Gas: provide name and number of 7 districts.[7]
- e. Work order: Common identifier used by the gas utility to track gas infrastructure work at a given location. For example, the replacement of five adjacent services and the mains serving them typically would be tracked as one work order. The term “project” is also used in this document to refer to a work order.

- f. Costs: Provide the costs for all work orders associated with the program, as recorded for the applicable years. That is, state the amount totaled across the program's work orders. Include costs under the year they were incurred. Include all the costs described in the cost category, regardless of what budget code they are recorded under.
- g. Pressure District: Set of customer meters, services and mains that together depends on one or more gas distribution regulator stations, and not on other gas distribution regulator stations.[8] Note that operating districts and pressure districts are not the same.
- i. SoCalGas: about 750 pressure systems.[9]
 - ii. PG&E: about 1200 hydraulically independent systems.[10]
 - iii. Southwest Gas: Fewer systems due to smaller footprint in California.
- h. Pressure Category: Describes the pressure in a pressure district or the outgoing pressure from a regulator station that serves a pressure district.[11]
- i. Medium-pressure: pressure of 1 through 60 psig, and the regulator station is not "HPR-type"
 - ii. Low-pressure: pressure less than 1 psig

[1] Workpaper includes these codes within work group 252. Southern California Gas Company, submitted in SoCalGas General Rate Case A.22-05-015 for years 2024-2027, Work Unit/ Activity Level Estimates, SCG-04-CWP-R_Mario_Aguirre-Gas_Distribution_49456.pdf, pp. 45 &ff.

[2] Driscopipe 7000 was installed in 1974-1980. See Prepared Direct Testimony of Kevin Lang on behalf of Southwest Gas Corporation, submitted in Southwest Gas General Rate Case A.22-05-015, August 2019, <https://docs.cpuc.ca.gov/PublishedDocs/SupDoc/A1908015/2695/338276400.pdf>, p. 5.

[3] Consistent definitions were used for Operating District in Gas System Census Tract Data, filed by gas utilities in response to *Administrative Law Judge's Ruling Seeking Data from Gas Utilities* in R.24-09-012, January 13, 14, and 17, 2024, posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>. See definitions in *Administrative Law Judge's Ruling Seeking Revised Data from Gas Utilities* in R.20-01-007, September 22, 2022, <https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/rulings/revisedgassystemdataruling09212022.pdf>, also available on the CPUC's R.20-01-007 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[4] PG&E's 18 Divisions have been reported as: Diablo, East Bay, Mission, Peninsula, De Anza, San Jose, San Francisco, Central Coast, Fresno, Kern, Stockton, Yosemite, North Bay, Sonoma, Humboldt, Northern Valley, Sacramento, and Sierra. For 14A and 14D distribution pipeline replacement contracts, these divisions are used as bid areas, while for some other contract types they may be combined into 8 larger bid areas.

[5] SoCalGas' 50 districts have been reported as: Orange Coast – Azusa, Anaheim, Alhambra, Aliso Viejo, Downey, Garden Grove, Industry, La Jolla, Pasadena, Santa Ana, Whittier (group 1); Inland – Beaumont, Corona, Chino, Fontana, Murrieta, Ramona, Redlands, Rim Forest, Riverside, San Bernardino (group 2); Inland Desert – Blythe, El Centro, Palm Desert, Yucca Valley (group 3); Lower Los Angeles – 182nd, Belvedere, Crenshaw, Compton, Hollywood, Huntington Park, Juanita, Santa Monica, San Pedro (group 4); Upper Los Angeles/SFV – Branford, Canoga Park, Chatsworth, Glendale, Lancaster, Mojave, Simi Valley, Saticoy, Valencia (group 5); Central Coast - Goleta, Ventura/Oxnard, Santa Barbara, Santa Maria, San Luis Obispo, Templeton (group 6); and San Joaquin Valley – Bakersfield, and Visalia (group 7). The groupings are used for some contract cost purposes.

[6] SDG&E's five districts are Beach Cities, Eastern, Metro, North Coast, and Northeast.

[7] Southwest Gas' seven districts are: District 11-Barstow; District 12-Victorville; District 13-Big Bear; District 14-North Lake Tahoe; District 15-Truckee; District 16-South Lake Tahoe; District 19-Needles.

[8] Pressure districts are also discussed in *Recommendations for SB 1221 California Natural Gas System Mapping*, CPUC Energy Division Staff Proposal, February 20, 2025, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897432.PDF>, p. 15. For additional background on pressure zones, see DeWitte, Tom and Coolidge, Tom, *Understanding Pressure Zones*, April 2024, <https://community.esri.com/t5/gas-and-pipeline-blog/understanding-pressure-zones/ba-p/1416830>.

[9] SoCalGas provided pressure district data including meters served and overlapping census tracts per ruling in proceeding R.20-01-007, now available as “demand nodes csv” and “May 20 demand nodes csv” on the “Long Term Gas Planning Rulemaking-Closed” webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[10] *Recommendations for SB 1221 California Natural Gas System Mapping*, p. 15. See also Gas System Census Tract Data Notes, filed by PG&E in response to *Administrative Law Judge's Ruling Seeking Data from Gas Utilities* in R.24-09-012, January 13, 2024, https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/pge/gassystemcensustractdatanotes_pgne.pdf, p. B-18, also posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>.

[11] Exclude HPR-type regulators from this analysis. “HPR-type” means reduces to pressure of 1 through 60 psig and is an “HPR-type” regulator station or a district served by such a station. “HPR-type” refers to a regulator station that uses any of the following spring-operated regulators: Fisher 621, Fisher 627, Fisher 630, Reliance Model HPR 10, Reliance Model HPR 20, Reliance Model HPR 268, Rockwell 141, Rockwell 141A, Rockwell 041, Sprague/Itron B35. HPR-type regulators are excluded because they are smaller and simpler than medium-pressure and low-pressure regulators. These definitions align with regulator station categories proposed in Appendix B *Direction to Utilities Draft for Comment*, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897318.PDF>. Transmission-level regulator stations are not included.

ATTACHMENT D

Row ID	Program Category	Row Name	Value	Definition [3]
A1	Main and service replacement programs	<i>Cost per service, for main programs</i>	\$ 24,694.34	Average cost of gas distribution main and service replacement activities, per service. Also shown in next table, row B8, final column.
A2	<u>Service-only replacement programs [4]</u>	<i>Cost per service replaced, for services only</i>	\$ 116,511.22	Average cost of replacing gas distribution services only.[1] Also shown in next table, row B1, final column.
A3	Main and service replacement programs	Cost per main mile replaced	\$ 2,841,311.02	Average cost of gas distribution main and service replacement activities, per mile of main. Also shown in next table, row B9, final column.
A4	Main and service replacement programs	Services per project, for main programs	16.977	Average number of services in a single work order. Also shown in next table, row B10, final column.
A5	Main and service replacement programs	Main program projects per year	905.250	Average work orders per year, totaled across the utility's main and service replacement programs. Also shown in next table, row B11, final column.
A6	Service-only replacement programs	Services replaced per year, when services only	43.500	Average number of services replaced by service-only replacement programs.[2] Also shown in next table, row B3, final column.
A7	Both main and service-only replacement programs	Annual pipeline replacement expenditures	\$ 384,570,785.38	Total cost across gas distribution replacement programs. Sum of next table's B5 and B15, final column.

A8	NA	Maintenance cost per service [5]	\$ 16.15	Average cost of gas distribution pipeline maintenance, per service, not including replacement costs. Also shown in later table, cell G1.
A9	Main and service replacement programs	<i>Project planning period, for main programs</i>	48.491	Average days between the date that the project was identified for replacement and the date that replacement activities broke ground. Also shown in next table, row B21, final column.
A10	Service-only replacement programs	<i>Project planning period, for services only</i>	499.707	Average days between the date that the service(s) was identified for replacement and the date that replacement activities broke ground. Also shown in next table, row B6, final column.

[\[1\] \[Note: Footnote From Template\] Programs which replace both mains and services sometimes replace services alone, but including those projects would be more challenging to include in this calculation.](#)

[\[2\] \[Note: Footnote From Template\] Note this will be less than the total services replaced annually because mains and services programs can also includes projects which only replace services. However, it would be more challenging to include those in this calculation.](#)

[\[3\] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."](#)

[\[4\] Because SDG&E does not have service-only programs, costs may also include activities related to main replacements.](#)

[\[5\] Maintenance costs include activity codes for O&M Maintenance \[MAT Codes: Leak Survey 670,672,671,673 : CP:603,604,631,633,658,659 Pipeline Ops: 744, and all leak repair orders\] District" All O&M leak repairs\]. Included damage prevention mark-out costs from FERC 874.3 and 874.31 on Damage Prevention cost centers.](#)

Row ID	Program Category	Row Name	Definition [5]	North Coast	Northeast	Metro	Beach Cities	Eastern	...	Totals or Averages Across All Operating Districts
B1	Service-only replacement programs	<i>Cost per service replaced, for services only</i>	Average cost of replacing gas distribution services only.[1] Calculated by dividing B5 by B3.	\$ 57,660.57	\$ 110,311.26	\$ 127,626.88	\$ 133,505.46	\$ 72,062.94		\$ 116,511.22
B2	Service-only replacement programs	Cost per service mile replaced, for services only	Average cost of service-only replacement activities, per mile of main. Calculated by dividing B5 by B4.	\$ 1,313,120.34	\$ 2,151,884.62	\$ 2,703,477.07	\$ 2,578,501.08	\$ 2,753,226.10		\$ 2,539,989.55
B3	Service-only replacement programs [4]	Services replaced per year, when services only	Average number of services replaced by service-only replacement programs.[2]	2.250	5.250	23.750	7.250	5.000		43.500
B4	Service-only replacement programs[4]	Service miles replaced, when services only	Total miles of service replaced by service-only replacement programs.	0.099	0.269	1.121	0.375	0.131		1.995
B5	Service-only replacement programs [4]	Total costs, for service-only programs	Total costs of service-only replacement programs. Calculated by summing costs for service-only replacement program work orders using cost definitions for the four cost groups "Internal Labor and Related Costs," "External Labor and Related Costs," "Materials," and "Other Misc Costs."	\$ 129,736.29	\$ 579,134.10	\$ 3,031,138.49	\$ 967,914.61	\$ 360,314.70		\$ 5,068,238.19
B6	Service-only replacement programs [4]	<i>Project planning period, for services only</i>	Average days between the date that the service(s) was identified for replacement and the date that replacement activities broke ground.	604.888	580.083	258.523	505.208	549.833		499.707

B7	Service-only replacement programs [4]	Project time to completion, for services only	Average days between the date that the project was identified for replacement and the date that the replaced service(s) was placed in operation.	884.222	779.250	1047.698	888.458	874.100		894.746
[skip row]										
B8	Main and service replacement programs	<i>Cost per service, for main programs</i>	Average cost of gas distribution main and service replacement activities, per service. Calculated by dividing B15 by B12.	21,834.37	21,988.21	27,620.22	24,245.10	28,072.17		\$ 24,694.34
B9	Main and service replacement programs	Cost per main mile replaced	Average cost of gas distribution main and service replacement activities, per mile of main. Calculated by dividing B15 by B13.	2,292,286.71	2,435,066.51	3,599,365.89	2,969,878.64	2,777,572.03		\$ 2,841,311.02
B10	Main and service replacement programs	Services per project, for main programs	Average number of services in a single work order. Calculated by dividing B12 by B11.	13.04	34.46	10.52	24.90	14.65		16.977
B11	Main and service replacement programs [3]	Main program projects per year	Average work orders per year, totaled across the utility's main and service replacement programs.	169.250	90.500	318.250	185.250	142.000		905.250
B12	Main and service replacement programs [3]	Services addressed by main programs	Total services connected to mains replaced by main and service replacement programs, whether or not the service was replaced by the project.	2207	3119	3349	4613	2080		15368
B13	Main and service replacement programs [3]	Main miles replaced	Total miles of main replaced by main and service replacement program work orders.	21.022	28.164	25.699	37.659	21.022		133.566

B14	Main and service replacement programs [3]	Service miles replaced, for main programs	Total miles of service replaced by main and service replacement program work orders.	20.946	28.752	30.408	33.506	18.696		132.308
B15	Main and service replacement programs	Total costs, for main programs	Total costs of main and service replacement program work orders. Calculated by summing B17, B18, B19 and B20.	\$ 48,188,451.18	\$ 68,581,213.18	\$ 92,500,103.98	\$ 111,842,659.59	\$ 58,390,119.26		\$ 379,502,547.19
B16	Main and service replacement programs	Cost Group								
B17	Main and service replacement programs [3]	Internal Labor and Related Costs	Sum of salaries of utility employees; benefits (health, retirement, disability, etc.) associated with utility employee labor; employee travel costs, including meals, lodging, mileage, per diem, incidentals,	\$ 4,854,789.69	\$ 3,684,000.61	\$ 16,018,717.05	\$ 7,985,186.58	\$ 8,165,504.55		\$ 40,708,198.48
B18	Main and service replacement programs [3]	External Labor and Related Costs	Combine "external labor" and contracts costs. Includes contracts for services and for employees. Include equipment rental here.	\$ 41,024,949.96	\$ 61,919,472.37	\$ 69,995,084.23	\$ 99,818,833.01	\$ 46,971,918.17		\$ 319,730,257.74
B19	Main and service replacement programs [3]	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.	\$ 994,405.31	\$ 1,201,427.01	\$ 2,270,613.85	\$ 1,906,658.62	\$ 1,170,927.67		\$ 7,544,032.46
B20	Main and service replacement programs [3]	Other Misc Costs	Sum of costs in the cost categories "Fleet," "Permitting," "AFUDC," "Land," "Other," and "Administrative & General Costs" as defined in "Definitions of Other Misc Costs."	\$ 1,314,306.22	\$ 1,776,313.19	\$ 4,215,688.85	\$ 2,131,981.38	\$ 2,081,768.87		\$ 11,520,058.51

B21	Main and service replacement programs [3]	<i>Project planning period, for main programs</i>	Average days between the date that the project was identified for replacement and the date that replacement activities broke ground.	23.488	82.541	35.191	70.221	31.014		48.491
B22	Main and service replacement programs [3]	Project time to completion, for main programs	Average days between the date that the project was identified for replacement and the date that the replacement equipment was placed in operation.	34.818	112.099	60.091	91.932	50.554		69.899

[1] [Note: Footnote From Template] Programs which replace both mains and services sometimes replace services alone, but including those projects would be onerous to include in this calculation.

[2] [Note: Footnote From Template] Note this will be an undercount because mains and services programs can also includes projects which only replace services. However, it would be more challenging to include those in this calculation.

[3] Budget Codes: 508- Gas Distribution Leak Repair Unplanned, 514- RAMP Vintage Steel Replacement (1965-present), 19564- RAMP Vintage Steel Replacement (1934 to 1964), 19565- RAMP Vintage Steel Replacement (1933 and older), 546 DIMP.

[4] Budget Codes: 551 with Notification Description of CP 10 and 19563 for DCRR jobs.

[5] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

Row ID	Program Category	Row Name	Definition [4]	Gas Distribution Leak Repair-Unplanned (BC 508)	RAMP- Vintage Steel Replacement (1965-present) (BC 514)	RAMP- Vintage Steel Replacement (1934 to 1964) (BC 19564)	RAMP- Vintage Steel Replacement (1933 and older) (BC 19565)	546 DIMP	...	Totals or Averages Across All Programs
C1	Main and service replacement programs	<i>Cost per service, for main programs</i>	Average cost of gas distribution main and service replacement activities, per service. Calculated by dividing C8 by C5.	\$ 27,271.94	\$ 30,602.81	\$ 25,938.71	\$ 30,702.21	\$ 23,137.05		\$ 24,694.34
C2	Main and service replacement programs	Cost per main mile replaced	Average cost of gas distribution main and service replacement activities, per mile of main. Calculated by dividing C8 by C6.	\$ 9,566,172.081	\$ 2,416,038.270	\$ 3,402,607.586	\$ 3,682,553.582	\$ 2,353,673.323		\$ 2,829,795.993
C3	Main and service replacement programs	Services per project, for main programs	Average number of services in a single work order. Calculated by dividing C5 by C4.	2.251	117.455	170.571	133.561	234.055		84.883
C4	Main and service replacement programs [3]	Main program projects per year	Average work orders per year, totalled across the utility's main and service replacement programs.	840.000	2.750	7.000	10.250	45.250		181.050
C5	Main and service replacement programs [3]	Services addressed by main programs	Total services connected to mains replaced by main and service replacement programs, whether or not the service was replaced by the project.	1891	323	1194	1369	10591		15368
C6	Main and service replacement programs [3]	Main miles replaced	Total miles of main replaced by main and service replacement program work orders.	5.391	4.091	9.102	11.414	104.112		134.110
C7	Main and service replacement programs [3]	Service miles replaced, for main programs	Total miles of service replaced by main and service replacement program work orders.	14.362	2.851	10.818	14.509	89.771		132.310
C8	Main and service replacement programs [3]	Total costs, for main programs	Total costs of main and service replacement program work orders. Calculated by summing C9, C10, C11, and C12.	\$ 51,571,233.69	\$ 9,884,708.09	\$ 30,970,817.80	\$ 42,031,327.48	\$ 245,044,460.13		\$ 379,502,547.19
	Main and service replacement programs	Cost Group								

C9	Main and service replacement programs [3]	Internal Labor and Related Costs	Sum of salaries of utility employees; benefits (health, retirement, disability, etc.) associated with utility employee labor; employee travel costs, including meals, lodging, mileage, per diem, incidentals, and any other travel costs; and payroll taxes.	\$ 20,931,903.50	\$ 1,033,042.38	\$ 3,722,830.09	\$ 5,868,144.96	\$ 9,152,277.55		\$ 40,708,198.48
C10	Main and service replacement programs [3]	External Labor and Related Costs	Combine "external labor" and contracts costs. Includes contracts for services and for employees. Include equipment rental here.	\$ 23,171,931.58	\$ 8,344,007.64	\$ 25,671,783.87	\$ 33,972,920.30	\$ 228,569,614.35		\$ 319,730,257.74
C11	Main and service replacement programs [3]	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.	\$ 1,988,672.18	\$ 182,120.39	\$ 530,521.33	\$ 845,086.24	\$ 3,997,632.32		\$ 7,544,032.46
C12	Main and service replacement programs [3]	Other Misc Costs	Sum of costs in the cost categories "Fleet," "Permitting," "AFUDC," "Land," "Other," and "Administrative & General Costs" as defined in "Definitions of Other Misc Costs."	\$ 5,478,726.43	\$ 325,537.68	\$ 1,045,682.51	\$ 1,345,175.98	\$ 3,324,935.91		\$ 11,520,058.51
C13	Main and service replacement programs	Costs Excluded from Budget Code	Include any and all costs that are recorded within C9, C10, C11 or C12 and are not recorded within the program's budget code for rate case purposes. For example, this may include field capital support for some utilities. Thus, this total, if not zero, will overlap with the cost categories shown above.	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
C14	Main and service replacement programs [3]	Project planning period, for main programs	Average days between the date that the project was identified for replacement and the date that replacement activities broke ground.	0.493	461.000	454.857	576.585	647.104		428.008

C15	Main and service replacement programs [3]	Project time to completion, for main programs	Average days between the date that the project was identified for replacement and the date that the replacement equipment was placed in operation.	11.158	612.182	622.964	718.829	808.536		554.734
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[1] [Note: Footnote From Template] Programs which replace both mains and services sometimes replace services alone, but including those projects would be onerous to include in this calculation.

[2] [Note: Footnote From Template] Note this will be an undercount because mains and services programs can also includes projects which only replace services. However, it would be more challenging to include those in this calculation.

[3] Budget Codes: 508- Gas Distribution Leak Repair Unplanned, 514- RAMP Vintage Steel Replacement (1965-present), 19564- RAMP Vintage Steel Replacement (1934 to 1964), 19565- RAMP Vintage Steel Replacement (1933 and older), 546 DIMP.

[4] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

Summary

- a. In the tab "Summary," provide the rows of information shown. In the first column, provide the Row ID, as shown; in the second column, provide the Program Category, as shown; in the third column, provide the Row Name, as shown; in the fourth column, provide the value, calculated as described in the definition, averaged across the years; and in the fifth column, provide the Definition, as shown.

Costs by Operating District

- b. In the tab "Costs by Operating District," provide the program accomplishments and costs shown (rows), broken down by operating district (columns). In the first four columns, provide the Row ID, Program Category, Row Name and Definition, as shown. Next provide a column for each operating district, with the heading stating the district's name and ID number, and in it, include only the information for work orders in that operating district. In the last column, provide the information across all operating districts (totals unless definition is an average, in which case provide average across all operating districts). For each row, include only information for the programs specified in the "Program Category."

Values for B8 through B15 in the last column should match with values for C1 through C8 in the last column in the tab "Utility-Wide Costs by Program."

Utility-Wide Costs by Program

- c. In the tab, "Utility-Wide Costs by Program," provide the program accomplishments and costs shown (rows), broken down by programs (columns). In the first four columns, provide the Row ID, Program Category, Row Name and Definition, as shown. Next provide a column for each program, and in it, include only the information for work orders in that program. Include all the costs for work orders associated with the program, even if these costs are not recorded under the work order or program. In the last column, provide the information across all programs (totals unless definition is an average, in which case provide average across all programs shown in preceding columns).

1. *Definitions*

For the data required in this template, use the following definitions unless otherwise stated:

- a. Data time period: Annual for calendar years 2021-2024, averaged across these four years.
- b. Main and service replacement programs:
 - i. PG&E: Plastic Pipeline Replacement Program (MAT Code 14D) (which covers aldy-A); Gas Pipeline Replacement Program (14A) (which covers pre-1941 steel); Reliability Main Replacement Program (50A)
 - ii. SoCalGas/SDG&E: Vintage Integrity Plastic Plan (within Budget Code 277); Bare Steel Replacement Plan (within 277) (which covers pre-1972 steel without cathodic protection); Main Replacement Programs (252, 253, 255, 267, 278[1])
 - iii. Southwest Gas: Targeted Pipe Replacement Program (which covers Driscopipe 7000 plastic[2]) (within budget code 9636); Vintage Steel Program (which covers pre-1961 steel) (within 9636 and 9605)
- c. Service-only replacement programs:
 - i. PG&E: Reliability Service Replacement Program (50B)
 - ii. SoCalGas/SDG&E: Service Replacement Programs (256, 257, 258, 260)
 - iii. Southwest Gas: Customer-Owned Yard Line Program (school and non-school locations)
 - iv. Regulator station replacement programs: PG&E: Regulator Station Rebuilds (50C)
 - v. SoCalGas/SDG&E: rebuilds/replacements within Regulator Stations Program (within budget code 265; exclude non-replacement activities not addressed here)
- d. Operating Districts:[3]
 - i. PG&E: provide name and number of 18 divisions.[4]
 - ii. SoCalGas: provide name and number of about 50 gas districts.[5]
 - iii. SDG&E: provide name and number of 5 districts.[6]
 - iv. Southwest Gas: provide name and number of 7 districts.[7]
- e. Work order: Common identifier used by the gas utility to track gas infrastructure work at a given location. For example, the replacement of five adjacent services and the mains serving them typically would be tracked as one work order. The term “project” is also used in this document to refer to a work order.

- f. Costs: Provide the costs for all work orders associated with the program, as recorded for the applicable years. That is, state the amount totaled across the program's work orders. Include costs under the year they were incurred. Include all the costs described in the cost category, regardless of what budget code they are recorded under.
- g. Pressure District: Set of customer meters, services and mains that together depends on one or more gas distribution regulator stations, and not on other gas distribution regulator stations.[8] Note that operating districts and pressure districts are not the same.
 - i. SoCalGas: about 750 pressure systems.[9]
 - ii. PG&E: about 1200 hydraulically independent systems.[10]
 - iii. Southwest Gas: Fewer systems due to smaller footprint in California.
- h. Pressure Category: Describes the pressure in a pressure district or the outgoing pressure from a regulator station that serves a pressure district.[11]
 - i. Medium-pressure: pressure of 1 through 60 psig, and the regulator station is not "HPR-type"
 - ii. Low-pressure: pressure less than 1 psig

[1] Workpaper includes these codes within work group 252. Southern California Gas Company, submitted in SoCalGas General Rate Case A.22-05-015 for years 2024-2027, Work Unit/ Activity Level Estimates, SCG-04-CWP-R_Mario_Aguirre-Gas_Distribution_49456.pdf, pp. 45 &ff.

[2] Driscopipe 7000 was installed in 1974-1980. See Prepared Direct Testimony of Kevin Lang on behalf of Southwest Gas Corporation, submitted in Southwest Gas General Rate Case A.22-05-015, August 2019, <https://docs.cpuc.ca.gov/PublishedDocs/SupDoc/A1908015/2695/338276400.pdf>, p. 5.

[3] Consistent definitions were used for Operating District in Gas System Census Tract Data, filed by gas utilities in response to Administrative Law Judge's Ruling Seeking Data from Gas Utilities in R.24-09-012, January 13, 14, and 17, 2024, posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>. See definitions in Administrative Law Judge's Ruling Seeking Revised Data from Gas Utilities in R.20-01-007, September 22, 2022, <https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/rulings/revisedgassystemdataruling09212022.pdf>, also available on the CPUC's R.20-01-007 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[4] PG&E's 18 Divisions have been reported as: Diablo, East Bay, Mission, Peninsula, De Anza, San Jose, San Francisco, Central Coast, Fresno, Kern, Stockton, Yosemite, North Bay, Sonoma, Humboldt, Northern Valley, Sacramento, and Sierra. For 14A and 14D distribution pipeline replacement contracts, these divisions are used as bid areas, while for some other contract types they may be combined into 8 larger bid areas.

[5] SoCalGas' 50 districts have been reported as: Orange Coast – Azusa, Anaheim, Alhambra, Aliso Viejo, Downey, Garden Grove, Industry, La Jolla, Pasadena, Santa Ana, Whittier (group 1); Inland – Beaumont, Corona, Chino, Fontana, Murrieta, Ramona, Redlands, Rim Forest, Riverside, San Bernardino (group 2); Inland Desert – Blythe, El Centro, Palm Desert, Yucca Valley (group 3); Lower Los Angeles – 182nd, Belvedere, Crenshaw, Compton, Hollywood, Huntington Park, Juanita, Santa Monica, San Pedro (group 4); Upper Los Angeles/SFV – Branford, Canoga Park, Chatsworth, Glendale, Lancaster, Mojave, Simi Valley, Saticoy, Valencia (group 5); Central Coast - Goleta, Ventura/Oxnard, Santa Barbara, Santa Maria, San Luis Obispo, Templeton (group 6); and San Joaquin Valley – Bakersfield, and Visalia (group 7). The groupings are used for some contract cost purposes.

[6] SDG&E's five districts are Beach Cities, Eastern, Metro, North Coast, and Northeast.

[7] Southwest Gas' seven districts are: District 11-Barstow; District 12-Victorville; District 13-Big Bear; District 14-North Lake Tahoe; District 15-Truckee; District 16-South Lake Tahoe; District 19-Needles.

[8] Pressure districts are also discussed in Recommendations for SB 1221 California Natural Gas System Mapping, CPUC Energy Division Staff Proposal, February 20, 2025, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897432.PDF>, p. 15. For additional background on pressure zones, see DeWitte, Tom and Coolidge, Tom, Understanding Pressure Zones, April 2024, <https://community.esri.com/t5/gas-and-pipeline-blog/understanding-pressure-zones/ba-p/1416830>.

[9] SoCalGas provided pressure district data including meters served and overlapping census tracts per ruling in proceeding R.20-01-007, now available as "demand nodes csv" and "May 20 demand nodes csv" on the "Long Term Gas Planning Rulemaking-Closed" webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[10] Recommendations for SB 1221 California Natural Gas System Mapping, p. 15. See also Gas System Census Tract Data Notes, filed by PG&E in response to Administrative Law Judge's Ruling Seeking Data from Gas Utilities in R.24-09-012, January 13, 2024, https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/pge/gassystemcensustractdatanotes_pgne.pdf, p. B-18, also posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>.

[11] Exclude HPR-type regulators from this analysis. "HPR-type" means reduces to pressure of 1 through 60 psig and is an "HPR-type" regulator station or a district served by such a station. "HPR-type" refers to a regulator station that uses any of the following spring-operated regulators: Fisher 621, Fisher 627, Fisher 630, Reliance Model HPR 10, Reliance Model HPR 20, Reliance Model HPR 268, Rockwell 141, Rockwell 141A, Rockwell 041, Sprague/Itron B35. HPR-type regulators are excluded because they are smaller and simpler than medium-pressure and low-pressure regulators. These definitions align with regulator station categories proposed in Appendix B Direction to Utilities Draft for Comment, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897318.PDF>. Transmission-level regulator stations are not included.

Cost Group	Cost Category	Definition
Other Misc Costs	Fleet	Use of utility-owned vehicles.
Other Misc Costs	Permitting	Costs of acquiring local permits.
Other Misc Costs	AFUDC	Allowance funds used during construction. Refers to the costs of construction-related borrowing.
Other Misc Costs	Land	Payments for easements or right-of-way.
Other Misc Costs	Other	Include utility-owned and utility-rented building and facilities overhead; taxes other than payroll; discounts from contractors; minor materials, e.g. fuel, office supplies and safety equipment; shipping and hazardous waste costs; and other minor costs associated with these activities. Also include these gas distribution replacement activities' share of the cost of capital tools, e.g., pipe cutting and tapping equipment.
Other Misc Costs	Administrative & General Costs	Exclude permitting. Include other capitalized A&G costs. Note this tends to be a relatively large category.

ATTACHMENT E

Row ID	Program Category	Row Name	Value	Definition [3]
D1	Regulator station replacement programs [2]	<i>Cost per service, for regulator station replacement</i>	#DIV/0!	Average cost of replacing gas distribution regulator stations, per service. Also shown in next table, row E1, final column.
D2	Regulator station replacement programs [2]	Cost per customer meter, for regulator station replacement	#DIV/0!	Average cost of replacing gas distribution regulator stations, per meter. Also shown in next table, row E2, final column.
D3	Regulator station replacement programs [2]	<i>Cost per regulator station replaced</i>	#DIV/0!	Average cost of replacing a gas distribution regulator station. Also shown in next table, row E3, final column.
D4	Regulator station replacement programs [2]	Services per station, for replaced regulator stations	#DIV/0!	Average number of services served by a replaced regulator station. Also shown in next table, row E4, final column.
D5	Regulator station replacement programs [2]	Meters per station, for replaced regulator stations	#DIV/0!	Average number of meters[1] served by a replaced regulator station. Also shown in next table, row E5, final column.
D6	Regulator station replacement programs	Regulator stations replaced per year	2.5	Average regulator stations replaced per year. Also shown in next table, row E6, final column.
D7	Regulator station replacement programs	Services affected by replaced regulator stations	4138.283	Services served by replaced regulator stations. Also shown in next table, row E7, final column.
D8	Regulator station replacement programs	Meters affected by replaced regulator stations	4196.239	Meters served by replaced regulator stations. Also shown in next table, row E8, final column.

D9	Regulator station replacement programs	Total costs, for regulator station replacement	0	Total costs of regulator station replacement program work orders. Also shown in next table, row E9, final column.
D10	NA	<i>Maintenance cost per regulator station</i>	\$ 3,649.81	Average cost of regulator station maintenance, per service, not including replacement costs. Also shown in later table, cell H1.
D11	Regulator station replacement programs	<i>Project planning period, for regulator station replacement</i>	0	Average days between the date that the regulator station was identified for replacement and the date that replacement activities broke ground. Also shown in next table, row E14, final column.

[1] [Note: Footnote From Template] Meters analogous to “customers” reported in existing data.

[2] Reg station replacement projects that occurred between years 2021-2024 were a component of much larger projects. Work order dollar amounts are not reflective of true costs of regulator station replacement costs only.

[3] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

Row ID	Program Category	Row Name	Definition [4]	Metro (2021-2024)	Beach Cities(2021-2024)	North East (2021-2024)	North Coast (2021-2024)	Eastern (2021-2024)	...	Totals or Averages Across All Operating Districts
E1	Regulator station replacement programs	<i>Cost per service, for regulator station replacement</i>	Average cost of replacing gas distribution regulator stations, per service. Calculated by dividing E9 by E7.	#DIV/0!	0	0	0	#DIV/0!		#DIV/0!
E2	Regulator station replacement programs	Cost per customer meter, for regulator station replacement	Average cost of replacing gas distribution regulator stations, per meter. Calculated by dividing E9 by E8.	#DIV/0!	0	0	0	#DIV/0!		#DIV/0!
E3	Regulator station replacement programs	<i>Cost per regulator station replaced</i>	Average cost of replacing a gas distribution regulator station. Calculated by dividing E9 by E6.	#DIV/0!	0	0	0	#DIV/0!		#DIV/0!
E4	Regulator station replacement programs	Services per station, for replaced regulator stations	Average number of services served by a replaced regulator station. Calculated by dividing E7 by E6.	#DIV/0!	1717.550	1783.786	764.000	#DIV/0!		#DIV/0!
E5	Regulator station replacement programs	Meters per station, for replaced regulator stations	Average number of meters served by a replaced regulator station. Calculated by dividing E8 by E6.	#DIV/0!	1670.245	1733.595	1436	#DIV/0!		#DIV/0!
E6	Regulator station replacement programs	Regulator stations replaced per year	Average regulator stations replaced per year.	0	1	1	0	0		2.5

E7	Regulator station replacement programs	Services affected by replaced regulator stations	Average number of services served by replaced regulator stations. In cases where a pressure district is served by more than one regulator station, include only the replaced regulator station's share of the pressure district's services in the calculation.[1]	0	1718	2230	191	0		4138.283
E8	Regulator station replacement programs	Meters affected by replaced regulator stations	Average number of meters served by replaced regulator stations. In cases where a pressure district is served by more than one regulator station, include only the replaced regulator station's share of the pressure district's meters in the calculation.[2]	0	1670	2167	359	0		4196.239
E9	Regulator station replacement programs	Total costs, for regulator station replacement	Total costs of regulator station replacement program work orders. Calculated by summing E10, E11, E12 and E13.	0	0	0	0	0		0
	Regulator station replacement programs	Cost Group								

E10	Regulator station replacement programs [3]	Internal Labor and Related Costs	Sum of salaries of utility employees; benefits (health, retirement, disability, etc.) associated with utility employee labor; employee travel costs, including meals, lodging, mileage, per diem, incidentals, and any other travel costs; and payroll taxes.	N/A	N/A	N/A	N/A	N/A		0
E11	Regulator station replacement programs [3]	External Labor and Related Costs	Combine “external labor” and contracts costs. Includes contracts for services and for employees. Include equipment rental here.	N/A	N/A	N/A	N/A	N/A		0
E12	Regulator station replacement programs [3]	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.	N/A	N/A	N/A	N/A	N/A		0
E13	Regulator station replacement programs [3]	Other Misc Costs	Sum of costs in the cost categories “Fleet,” “Permitting,” “AFUDC,” “Land,” “Other,” and “Administrative & General Costs” as defined above.	N/A	N/A	N/A	N/A	N/A		0
E14	Regulator station replacement programs [3]	<i>Project planning period, for regulator station replacement</i>	Average days between the date that the regulator station was identified for replacement and the date that replacement activities broke ground.	N/A	N/A	N/A	N/A	N/A		0
E15	Regulator station replacement programs [3]	Project time to completion, for regulator station replacement	Average days between the date that the regulator station was identified for replacement and the date that the replacement station was placed in operation.	N/A	N/A	N/A	N/A	N/A		0

[1] If all regulator stations in a pressure district serve an equal number of services, then that value would be shown in F2 for that pressure district.

[2] If all regulator stations in a pressure district serve an equal number of meters, then that value would be shown in F3 for that pressure district.

[3] Reg station replacement projects that occurred between years 2021-2024 were a component of much larger projects. Work order dollar amounts are not reflective of true costs of regulator station replacement costs

[4] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

Column Name	Pressure district	Services per regulator station	Meters per regulator station	Regulator stations	Regulator stations identified for replacement	Pressure category	Services served	Meters served	Core meters served	Non-core meters served	Operating district	Census tracts
Definition	ID number for the pressure district.	Average number of services served by regulator stations in the pressure district. Calculated by dividing F7 by F4.	Average number of meters served by regulator stations in the pressure district. Calculated by dividing F8 by F4.	Number of gas distribution regulator stations immediately serving the pressure district.	Regulator stations whose replacement is forecast to begin during the next ten years, identified consistent with each utility’s existing project selection methods, at an annual replacement rate consistent with the rates approved in each utility’s most recently adopted general rate case decision.	“Medium-pressure” or “low-pressure.”	Number of customer services connected to the pressure district.	Number of customer meters connected to the pressure district. Sum of F9 and F10.	Number of core customer meters connected to the pressure district.	Number of non-core customer meters connected to the pressure district.	Name and ID number of the operating district that the pressure district is in.	ID numbers of all 2020 census tracts overlapping the district.
	1001	2229.733	2166.994	161	7	Medium Pressure	358987	348886	348869	17	NORTHCOAST, NORTHEAST, BEACHCITIES	6073017021, 6073008358, 6073017053, 6073020027, 6073018609, 6073020019, 6073020214, 6073017107, 6073017037, 6073017045, 6073019405, 6073019806, 6073019302, 6073019904, 6073019301, 6073019207, 6073017808, 6073008348, 6073020403, 6073019403, 6073019903, 6073008347, 6073018300, 6073018511, 6073017046, 6073018603, 6073017604

	1004	2876.468	3380.007	139	4	Medium Pressure	399829	469821	469807	14	BEACHCITIES, EASTERN, METRO	6073016806, 6073014200, 6073003304, 6073003401, 6073013411, 6073013312, 6073002302, 6073016809, 6073006801, 6073008510, 6073009107, 6073013415, 6073005600, 6073007301, 6073010013, 6073003207, 6073002202, 6073015601, 6073001300, 6073016605, 6073009706, 6073009704, 6073000700, 6073016614, 6073004501, 6073016302, 6073012304
	1005	2898	2520	3	1	Medium Pressure	8694	7560	7560	0	NORTHEAST, NORTHCOAST	6073018905, 6073018801, 6073018904, 6073018906, 6073018802, 6073018903,, 6073019001, 6073018803, 6073018611, 6073019002
	1006	8	5	1	0	Medium Pressure	8	5	5	0	NORTHEAST	6073019101
	1008	2244.667	2367.333	3	0	Medium Pressure	6734	7102	7102	0	METRO	6073011000, 6073021800, 6073011100, 6073010601, 6073010800, 6073010900, 6073021600
	1012	0	381	1	0	Medium Pressure	0	381	381	0		#N/A
	1015	727	1790	3	0	Medium Pressure	2181	5370	5367	3	BEACHCITIES	6073008364, 6073008305, 6073008340, 6073008363,, 6073008343, 6073008341, 6073008339

	1027	109	187.333	3	1	Medium Pressure	327	562	562	0	METRO	6073008902, 6073009304, 6073001100, , 6073000100, 6073001900, 6073000201, 6073001000, 6073000400
	1035	231.5	904	2	0	Medium Pressure	463	1808	1808	0	BEACHCITIES	6073008362, 6073008361, 6073008313, , 6073008364
	1046	1177.4	1441	5	0	Medium Pressure	5887	7205	7205	0	BEACHCITIES	6073009502, 6073009507, 6073009505, 6073009506, 6073009509,
	1053	606	622	1	0	Medium Pressure	606	622	622	0	NORTHCOAST	6073017029, 6073017106
	1077	14	8	1	0	Medium Pressure	14	8	8	0	NORTHEAST	6073019002, , 6073019101
	1078	3	1	1	0	Medium Pressure	3	1	1	0	EASTERN	
	1083	72	33	1	0	Medium Pressure	72	33	33	0	NORTHEAST	6073018801
	1017	12	42	1	0	Medium Pressure	12	42	42	0	METRO	6073005400, 6073009902, 6073005100
	1070	77	183	1	0	Medium Pressure	77	183	183	0	NORTHCOAST	6073017604, 6073017502
	1103	4	5	1	0	Medium Pressure	4	5	5	0	NORTHEAST	6073018801, 6073018802
	1080	11	6	1	0	Medium Pressure	11	6	6	0	NORTHEAST	6073019002
	1076	31	54	1	0	Medium Pressure	31	54	54	0	EASTERN	6073016202
	1095	2	2	1	0	Medium Pressure	2	2	2	0	NORTHEAST	6073018802
	1109	78	40	1	0	Medium Pressure	78	40	40	0	NORTHEAST	6073018801
	1058	136	125	1	0	Medium Pressure	136	125	125	0	NORTHCOAST	6073017403, 6073017106
	1124	1	0	1	0	Medium Pressure	1	0	0	0	EASTERN	
	1091	1	1	1	0	Medium Pressure	1	1	1	0	NORTHEAST	
	1106	52	535	1	0	Medium Pressure	52	535	535	0	BEACHCITIES	6073008333, , 6073021500
	1122	459	0	1	0	Medium Pressure	459	0			METRO	6073010015
	1011	312	582	2	0	Medium Pressure	624	1164	1164	0	NORTHCOAST	6073018700
	1018	795.5	591.75	4	0	Medium Pressure	3182	2367	2367	0	EASTERN	6073021204, 6073016802, 6073015501, 6073021205, 6073015502, 6073016811, 6073016809
	1019	44	33	1	0	Medium Pressure	44	33	33	0	NORTHEAST	6073019105, 6073019103
	1029	62	31	1	0	Medium Pressure	62	31	31	0	NORTHEAST	6073019001
	1112	1061	697	1	0	Medium Pressure	1061	697	697	0	NORTHEAST	6073020709, 6073020706
	1136	1	1	1	1	Medium Pressure	1	1	1	0	METRO	6073010103
	1149	5	3	1	0	Medium Pressure	5	3	3	0	NORTHEAST	6073019101, , 6073019002
	1063	29	27	1	0	Medium Pressure	29	27	27	0	NORTHEAST	6073018612,

	1025	74.5	13.5	2	0	Medium Pressure	149	27	26	1	BEACHCITIES	, 6073008339, 6073008312, 6073008305
	1047	1630.333	1787.333	3	0	Medium Pressure	4891	5362	5362	0	BEACHCITIES	6073008307, 6073008344, 6073008306, 6073008345,
	1051	438	307	1	0	Medium Pressure	438	307	307	0	NORTHCOAST	6073017029, 6073017306, 6073017106, 6073017305,
	1057	85	180	1	0	Medium Pressure	85	180	180	0	BEACHCITIES	6073009400
	1059	9	6	2	0	Medium Pressure	18	12	12	0	NORTHEAST	6073019105, 6073019103
	1064	18	5	1	0	Medium Pressure	18	5	5	0	BEACHCITIES	6073007600, , 6073001000
	1043	213	211	1	0	Medium Pressure	213	211	211	0	METRO	6073021600
	1081	28	17	1	0	Medium Pressure	28	17	17	0	NORTHEAST	6073019001
	1097	3	0	1	0	Medium Pressure	3	0	0	0	EASTERN	6073015000
	1132	2	0	1	0	Medium Pressure	2	0	0	0	NORTHCOAST	
	1156	5168	6520.6	5	0	Medium Pressure	25840	32603	32603	0	BEACHCITIES	6073008200, 6073007908, 6073008301, 6073007600, 6073007910, 6073008313, 6073007907, 6073007903, 6073007701, 6073008002, 6073007702, 6073008310, 6073008003, 6073008102, 6073008006, 6073008303, 6073007905, 6073008312, 6073007800, 6073008311, 6073008101, , 6073008503
	1022	1	0	1	0	Medium Pressure	1	0	0	0	NORTHCOAST	6073008312, 6059042108
	1009	5	1	1	0	Medium Pressure	5	1	1	0	NORTHEAST	6073018801
	1014	181	177	1	0	Medium Pressure	181	177	177	0	NORTHCOAST	6073018700
	1034	34	22	1	0	Medium Pressure	34	22	22	0	NORTHEAST	6073018611
	1066	191	359	2	0	Medium Pressure	382	718	718	0	NORTHCOAST	6073018700,
	1071	9	4.5	2	0	Medium Pressure	18	9	9	0	NORTHEAST	6073019101, 6073019103
	1082	5	5	1	0	Medium Pressure	5	5	5	0	NORTHEAST	6073019001
	1086	1	1	1	0	Medium Pressure	1	1	1	0	NORTHEAST	6073019002
	1089	1773	1708	1	0	Medium Pressure	1773	1708	1708	0	EASTERN	6073021205, 6073021204, 6073021206, , 6073021202
	1090	1	0	1	0	Medium Pressure	1	0	0	0	METRO	
	1092	1	1	1	0	Medium Pressure	1	1	1	0	NORTHEAST	6073019001

	1104	1	1	1	0	Medium Pressure	1	1	1	0	NORTHEAST	6073018802
	1105	3	0	1	0	Medium Pressure	3	0	0	0	NORTHEAST	6073018611
	1121	2	0	1	0	Medium Pressure	2	0	0	0	NORTHEAST	6073018612
	1125	5	2	1	0	Medium Pressure	5	2	2	0	NORTHEAST	6073019105
	1127	230	222	1	0	Medium Pressure	230	222	222	0	NORTHCOAST	6073018700,
	1133	1	0	1	0	Medium Pressure	1	0	0	0	NORTHCOAST	
	1135	1	0	1	0	Medium Pressure	1	0	0	0	NORTHCOAST	
	1150	1	1	1	0	Medium Pressure	1	1	1	0	NORTHEAST	#N/ A
	9995	0.5	0	2	0	Medium Pressure	1	0			NORTHCOAST	
	1067	2	0	1	0	Medium Pressure	2	0	0	0	EASTERN	6073013506
	1068	4.5	3.5	2	0	Medium Pressure	9	7	7	0	NORTHEAST	6073019101, 6073019103
	1079	8	5	1	0	Medium Pressure	8	5	5	0	NORTHEAST	6073019002
	1098	4	3	1	0	Medium Pressure	4	3	3	0	NORTHEAST	6073019101
	1148	2	2	1	0	Medium Pressure	2	2	2	0	NORTHEAST	6073019101
	1072	39	25	1	0	Medium Pressure	39	25	25	0	NORTHEAST	6073019001
	1042	28	2	1	0	Medium Pressure	28	2	2	0	BEACHCITIES	6073008339
	1024	460	546	1	0	Medium Pressure	460	546	546	0	EASTERN	6073013506, 6073013505,
	1036	324	180	1	0	Medium Pressure	324	180	180	0	NORTHEAST	6073018802, 6073018611
	1003	3908	1775	1	0	Medium Pressure	3908	1775	1775	0	NORTHEAST	6073019101, , 6073019002, 6073018904, 6073019001, 6073018803
	1032	1224	2067	1	0	Medium Pressure	1224	2067	2067	0	NORTHCOAST	6073018601, 6073018700, 6073018300, 6073018603, , 6073018613, 6073018612
	1020	1302	937	1	0	Medium Pressure	1302	937	937	0	NORTHCOAST	6073017813,
	1026	131.5	115.5	2	0	Medium Pressure	263	231	231	0	NORTHEAST	6073019002, 6073019001
	1028	811	521	1	0	Medium Pressure	811	521	521	0	EASTERN	6073021303,
	1100	4	2	1	0	Medium Pressure	4	2	2	0	NORTHEAST	6073019002
	1131	766	424	1	0	Medium Pressure	766	424	424	0	NORTHCOAST	6073018700, 6073018507, , 6073018603
	1013	917	357	2	0	Medium Pressure	1834	714	714	0	NORTHEAST	6073019106, 6073020103, 6073019105, 6073019103,
	1016	1126	996.5	2	0	Medium Pressure	2252	1993	1993	0	NORTHCOAST	6073017305, 6073017306, 6073017106
	1062	3	4	1	0	Medium Pressure	3	4	4	0	BEACHCITIES	6073009504
	1065	49	56	1	0	Medium Pressure	49	56	56	0	BEACHCITIES	6073008902, 6073008901,
	1096	5	0	1	0	Medium Pressure	5	0		0	NORTHEAST	6073018611
	1143	118	41	1	0	Medium Pressure	118	41	41	0	NORTHEAST	6073018611
	1007	91.8	21.4	5	0	Medium Pressure	459	107	106	1	METRO	6073010014, 6073010015, , 6073010103, 6073013314, 6073007800

	1054	99	187	1	0	Medium Pressure	99	187	187	0	NORTH COAST	6073017306, 6073008327
	1158	378	156	1	0	Medium Pressure	378	156	156	0	METRO	6073002001,
	1061	13	6	1	0	Medium Pressure	13	6	6	0	NORTHEAST	6073019002, 6073019101
	Totals or Averages Across All Pressure Districts	1972.642	2132.384	425.000	14	NA	838373.000	906263.000	906227.000	36.000	NA	NA

Summary

- a. In the tab “Summary,” provide the rows of information shown. In the first column, provide the Row ID, as shown; in the second column, provide the Program Category, as shown; in the third column, provide the Row Name, as shown; in the fourth column, provide the value, calculated as described in the definition, averaged across 2021 through 2024; and in the fifth column, provide the Definition, as shown.

Costs by Operating District

- b. In the tab “Costs by Operating District,” provide the program accomplishments and costs shown (rows), broken down by operating district (columns). In the first four columns, provide the Row ID, Program Category, Row Name and Definition, as shown. Next provide a column for each operating district, with the heading stating the district’s name and ID number, and in it, include only the information for work orders in that operating district. In the last column, provide the information across all operating districts (totals unless definition is an average, in which case provide average across all operating districts).

Pressure Districts

- c. In the tab “Pressure Districts,” provide the columns of information shown for all pressure districts operated by the utility, with a row for each pressure district. In the first row, provide the Column Name, as shown; in the second row, provide the Definition, as shown; and in the following rows, provide the current value, calculated or identified as described in the definition. In the last row, provide the information across all pressure districts (totals unless definition is an average, in which case provide average across all pressure districts shown in preceding columns).

1. *Definitions*

For the data required in this template, use the following definitions unless otherwise stated:

- a. Data time period: Annual for calendar years 2021-2024, averaged across these four years.
- b. Main and service replacement programs:
 - i. PG&E: Plastic Pipeline Replacement Program (MAT Code 14D) (which covers aldy-A); Gas Pipeline Replacement Program (14A) (which covers pre-1941 steel); Reliability Main Replacement Program (50A)
 - ii. SoCalGas/SDG&E: Vintage Integrity Plastic Plan (within Budget Code 277); Bare Steel Replacement Plan (within 277) (which covers pre-1972 steel without cathodic protection); Main Replacement Programs (252, 253, 255, 267, 278[1])
 - iii. Southwest Gas: Targeted Pipe Replacement Program (which covers Driscopipe 7000 plastic[2]) (within budget code 9636); Vintage Steel Program (which covers pre-1961 steel) (within 9636 and 9605)
- c. Service-only replacement programs:
 - i. PG&E: Reliability Service Replacement Program (50B)
 - ii. SoCalGas/SDG&E: Service Replacement Programs (256, 257, 258, 260)
 - iii. Southwest Gas: Customer-Owned Yard Line Program (school and non-school locations)
 - iv. Regulator station replacement programs: PG&E: Regulator Station Rebuilds (50C)
 - v. SoCalGas/SDG&E: rebuilds/replacements within Regulator Stations Program (within budget code 265; exclude non-replacement activities not addressed here)
- d. Operating Districts:[3]
 - i. PG&E: provide name and number of 18 divisions.[4]
 - ii. SoCalGas: provide name and number of about 50 gas districts.[5]
 - iii. SDG&E: provide name and number of 5 districts.[6]
 - iv. Southwest Gas: provide name and number of 7 districts.[7]
- e. Work order: Common identifier used by the gas utility to track gas infrastructure work at a given location. For example, the replacement of five adjacent services and the mains serving them typically would be tracked as one work order. The term “project” is also used in this document to refer to a work order.

- f. Costs: Provide the costs for all work orders associated with the program, as recorded for the applicable years. That is, state the amount totaled across the program's work orders. Include costs under the year they were incurred. Include all the costs described in the cost category, regardless of what budget code they are recorded under.
- g. Pressure District: Set of customer meters, services and mains that together depends on one or more gas distribution regulator stations, and not on other gas distribution regulator stations.[8] Note that operating districts and pressure districts are not the same.
- i. SoCalGas: about 750 pressure systems.[9]
 - ii. PG&E: about 1200 hydraulically independent systems.[10]
 - iii. Southwest Gas: Fewer systems due to smaller footprint in California.
- h. Pressure Category: Describes the pressure in a pressure district or the outgoing pressure from a regulator station that serves a pressure district.[11]
- i. Medium-pressure: pressure of 1 through 60 psig, and the regulator station is not "HPR-type"
 - ii. Low-pressure: pressure less than 1 psig

[1] Workpaper includes these codes within work group 252. Southern California Gas Company, submitted in SoCalGas General Rate Case A.22-05-015 for years 2024-2027, Work Unit/ Activity Level Estimates, SCG-04-CWP-R_Mario_Aguirre-Gas_Distribution_49456.pdf, pp. 45 &ff.

[2] Driscopipe 7000 was installed in 1974-1980. See Prepared Direct Testimony of Kevin Lang on behalf of Southwest Gas Corporation, submitted in Southwest Gas General Rate Case A.22-05-015, August 2019, <https://docs.cpuc.ca.gov/PublishedDocs/SupDoc/A1908015/2695/338276400.pdf>, p. 5.

[3] Consistent definitions were used for Operating District in Gas System Census Tract Data, filed by gas utilities in response to *Administrative Law Judge's Ruling Seeking Data from Gas Utilities* in R.24-09-012, January 13, 14, and 17, 2024, posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>. See definitions in *Administrative Law Judge's Ruling Seeking Revised Data from Gas Utilities* in R.20-01-007, September 22, 2022, <https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/rulings/revisedgassystemdataruling09212022.pdf>, also available on the CPUC's R.20-01-007 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[4] PG&E's 18 Divisions have been reported as: Diablo, East Bay, Mission, Peninsula, De Anza, San Jose, San Francisco, Central Coast, Fresno, Kern, Stockton, Yosemite, North Bay, Sonoma, Humboldt, Northern Valley, Sacramento, and Sierra. For 14A and 14D distribution pipeline replacement contracts, these divisions are used as bid areas, while for some other contract types they may be combined into 8 larger bid areas.

[5] SoCalGas' 50 districts have been reported as: Orange Coast – Azusa, Anaheim, Alhambra, Aliso Viejo, Downey, Garden Grove, Industry, La Jolla, Pasadena, Santa Ana, Whittier (group 1); Inland – Beaumont, Corona, Chino, Fontana, Murrieta, Ramona, Redlands, Rim Forest, Riverside, San Bernardino (group 2); Inland Desert – Blythe, El Centro, Palm Desert, Yucca Valley (group 3); Lower Los Angeles – 182nd, Belvedere, Crenshaw, Compton, Hollywood, Huntington Park, Juanita, Santa Monica, San Pedro (group 4); Upper Los Angeles/SFV – Branford, Canoga Park, Chatsworth, Glendale, Lancaster, Mojave, Simi Valley, Saticoy, Valencia (group 5); Central Coast - Goleta, Ventura/Oxnard, Santa Barbara, Santa Maria, San Luis Obispo, Templeton (group 6); and San Joaquin Valley – Bakersfield, and Visalia (group 7). The groupings are used for some contract cost purposes.

[6] SDG&E's five districts are Beach Cities, Eastern, Metro, North Coast, and Northeast.

[7] Southwest Gas' seven districts are: District 11-Barstow; District 12-Victorville; District 13-Big Bear; District 14-North Lake Tahoe; District 15-Truckee; District 16-South Lake Tahoe; District 19-Needles.

[8] Pressure districts are also discussed in *Recommendations for SB 1221 California Natural Gas System Mapping*, CPUC Energy Division Staff Proposal, February 20, 2025, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897432.PDF>, p. 15. For additional background on pressure zones, see DeWitte, Tom and Coolidge, Tom, *Understanding Pressure Zones*, April 2024, <https://community.esri.com/t5/gas-and-pipeline-blog/understanding-pressure-zones/ba-p/1416830>.

[9] SoCalGas provided pressure district data including meters served and overlapping census tracts per ruling in proceeding R.20-01-007, now available as “demand nodes csv” and “May 20 demand nodes csv” on the “Long Term Gas Planning Rulemaking-Closed” webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking-closed>.

[10] *Recommendations for SB 1221 California Natural Gas System Mapping*, p. 15. See also Gas System Census Tract Data Notes, filed by PG&E in response to *Administrative Law Judge's Ruling Seeking Data from Gas Utilities* in R.24-09-012, January 13, 2024, https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/pge/gassystemcensustractdatanotes_pgne.pdf, p. B-18, also posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>.

[11] Exclude HPR-type regulators from this analysis. “HPR-type” means reduces to pressure of 1 through 60 psig and is an “HPR-type” regulator station or a district served by such a station. “HPR-type” refers to a regulator station that uses any of the following spring-operated regulators: Fisher 621, Fisher 627, Fisher 630, Reliance Model HPR 10, Reliance Model HPR 20, Reliance Model HPR 268, Rockwell 141, Rockwell 141A, Rockwell 041, Sprague/Itron B35. HPR-type regulators are excluded because they are smaller and simpler than medium-pressure and low-pressure regulators. These definitions align with regulator station categories proposed in Appendix B *Direction to Utilities Draft for Comment*, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M556/K897/556897318.PDF>. Transmission-level regulator stations are not included.

Cost Group	Cost Category	Definition
Other Misc Costs	Fleet	Use of utility-owned vehicles.
Other Misc Costs	Permitting	Costs of acquiring local permits.
Other Misc Costs	AFUDC	Allowance funds used during construction. Refers to the costs of construction-related borrowing.
Other Misc Costs	Land	Payments for easements or right-of-way.
Other Misc Costs	Other	Include utility-owned and utility-rented building and facilities overhead; taxes other than payroll; discounts from contractors; minor materials, e.g. fuel, office supplies and safety equipment; shipping and hazardous waste costs; and other minor costs associated with these activities. Also include these gas distribution replacement activities' share of the cost of capital tools, e.g., pipe cutting and tapping equipment.
Other Misc Costs	Administrative & General Costs	Exclude permitting. Include other capitalized A&G costs. Note this tends to be a relatively large category.

ATTACHMENT F

Row ID	Row Name	Value	Definition [1]	General Rate Case Citation (document and page number)
G1	<i>Maintenance cost per service</i>	\$ 16.15	Average cost of gas distribution pipeline maintenance, per service. Calculated by adding G3 and G4, then dividing by G2.	NA
G2	Services	664310	Number of services operated by the utility.	NA
G3	Total capital maintenance costs	NA	Annual capital cost of all gas distribution main and service leak detection and prevention, maintenance, and repairs, <i>excluding</i> pipeline replacement.	NA
G4	Total O&M maintenance costs [2]	\$ 10,728,763.96	Annual operations and maintenance cost of all gas distribution main and service leak detection and prevention, maintenance, and repairs, <i>excluding</i> pipeline replacement.	NA
G5	[cost component]	[value]	[definition]	[citation]
G6	[cost component]	[value]	[definition]	[citation]
G7	[cost component]	[value]	[definition]	[citation]
...				

[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

[2] Activity codes for O&M Maintenance [MAT Codes: Leak Survey 670,672,671,673 : CP:603,604,631,633,658,659 Pipeline Ops: 744, and all leak repair orders] District" All O&M leak repairs]. Included damage prevention mark-out costs from FERC 874.3 and 874.31 on Damage Prevention cost centers.

Row ID	Row Name	Value	Definition [1]	General Rate Case Citation (document and page number)
H1	<i>Maintenance cost per regulator station</i>	\$ 3,649.81	Average cost of maintaining gas distribution medium-pressure regulator stations, per service. Calculated by adding H3 and H4, then dividing by H2.	NA
H2	Regulator stations	425	Number of gas distribution regulator stations operated by the utility. Include only the medium-pressure stations included in the F4 total.	NA
H3	Total capital maintenance costs	NA	Annual capital cost of all medium-pressure gas distribution regulator station leak detection and prevention, maintenance, and repairs, <i>excluding</i> station replacement.	NA
H4	Total O&M maintenance costs	\$ 1,551,169.45	Annual operations and maintenance cost of all medium-pressure gas distribution regulator station leak detection and prevention, maintenance, and repairs, <i>excluding</i> station replacement.	NA
H5	[cost component]	[value]	[definition]	[citation]
H6	[cost component]	[value]	[definition]	[citation]
H7	[cost component]	[value]	[definition]	[citation]
...				

[1] All values are calculated as defined in the "Definition" column for every field that includes a cell calculation or equivalent field in "Definition."

Distribution Pipelines

a. In the tab “Distribution Pipelines,” provide the information shown. In the first two columns, provide the Row ID, and Row Name, as shown; in the third column, provide the information requested; and in the fourth column, provide the Definition, as shown. Provide additional rows showing the cost components which sum to G3 and to G4, as categorized in the utility’s rate case workpapers, and a final column showing general rate case citations for each cost component, including page numbers. If the general rate case application was submitted before 2025, dollar values in rate case citations may be different from values reported here. Include only and all such actual costs borne by ratepayers. Include activities that support gas distribution pipeline safety such as leak surveys and locate-and-mark programs.

Medium-Pressure Regulator Stations

b. In the tab “Medium-Pr Regulator Stations,” provide the information shown. In the first column two columns, provide the Row ID, and Row Name, as shown; in the third column, provide the information for medium-pressure regulator stations; in the fourth column, provide the information for low-pressure regulator stations; and in the fifth column, provide the Definition, as shown. Provide additional rows showing the cost components which sum to H3 and to H4, as categorized in the utility’s rate case workpapers, and a final column showing general rate case citations for each cost component, including page numbers. If the general rate case application was submitted before 2025, dollar values in rate case citations may be different from values reported here. Include only and all such actual costs borne by ratepayers. Include costs associated with maintaining regulator station locations and on-site equipment, such as SCADA equipment, vault lids, fencing, and access roadway maintenance.

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- c. Service-only replacement programs:
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 - iii. SDG&E: provide name and number of 5 districts.[6]
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[1] Workpaper includes these codes within work group 252. Southern California Gas Company, submitted in SoCalGas General Rate Case A.22-05-015 for years 2024-2027, Work Unit/ Activity Level Estimates, SCG-04-CWP-R_Mario_Aguirre-Gas_Distribution_49456.pdf, pp. 45 &ff.

[2] Driscopipe 7000 was installed in 1974-1980. See Prepared Direct Testimony of Kevin Lang on behalf of Southwest Gas Corporation, submitted in Southwest Gas General Rate Case A.22-05-015, August 2019, <https://docs.cpuc.ca.gov/PublishedDocs/SupDoc/A1908015/2695/338276400.pdf>, p. 5.

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[10] *Recommendations for SB 1221 California Natural Gas System Mapping*, p. 15. See also Gas System Census Tract Data Notes, filed by PG&E in response to *Administrative Law Judge's Ruling Seeking Data from Gas Utilities* in R.24-09-012, January 13, 2024, https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/natural-gas/long-term-gas-planning-oir/pge/gassystemcensustractdatanotes_pgne.pdf, p. B-18, also posted on the CPUC's R.24-09-012 webpage, <https://www.cpuc.ca.gov/industries-and-topics/natural-gas/long-term-gas-planning-rulemaking>.

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