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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. (U 39 G)	Rulemaking No. 24-09-012 (Issued October 4, 2024)

PACIFIC GAS AND ELECTRIC COMPANY'S (U 39 G) RESPONSE TO ADMINISTRATIVE LAW JUDGES' RULING DIRECTING GAS UTILITIES TO PROVIDE GAS DISTRIBUTION COST DATA

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Dated: November 5, 2025

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OF THE STATE OF CALIFORNIA

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I. INTRODUCTION AND BACKGROUND

Pacific Gas and Electric Company (PG&E) respectfully provides its Response to the Administrative Law Judges' Ruling Directing Gas Utilities to Provide Gas Distribution Cost Data, issued on September 24, 2025 (Ruling).

The Ruling directs PG&E to file and serve specified cost and other information relating to its gas distribution system responsive to the directions in Appendix 1 to the Ruling, and to make the required data available in MS Excel format, including any formulas associated with PG&E's calculations, using the templates provided on the California Public Utilities Commission's (Commission) Senate Bill (SB) 1221 webpage. Each of the templates included a tab with directions to be followed by the gas utilities when completing the templates. Further, the Ruling directs PG&E to publish its response to the Ruling on PG&E's SB 1221 webpage[1]; to file a Notice of Availability of the secure download link; and to serve PG&E's completed cost data templates with the required information to the service list for this proceeding.

The Commission issued corrected templates on October 14, 2025.[2]

[1] SB 1221 Zonal Decarbonization Map Application - Pacific Gas and Electric Company. See "Info Help" to access the MS Excel Files for the 1) Distribution Replacement Data Cost Template, 2) Reg Station Replacement Data Cost Template and 3) Maintenance Data Cost Template. See also PG&E's accompanying Notice of Availability.

[2] See "R.24-09-012 cost data ruling templates update" emailed by "GasPolicy@cpuc.ca.gov" to the service list for Rulemaking (R.) 24-09-012 on October 14, 2025.

II. OVERVIEW OF PG&E'S RESPONSE

PG&E's Response to the Ruling consists of the following three completed cost data templates in MS Excel format:

- Distribution Replacement Costs Data-PG&E
- RegStation Replacement Costs Data-PG&E
- Maintenance Costs-PG&E

PDFs of these completed templates are attached to this Response at Attachments A-1, A-2, and A-3. In compliance with the Ruling requirements, the MS Excel files are also posted on the PG&E SB 1221 webpage.

Please note that PG&E has included an additional column in all three completed data cost templates titled "PG&E Notes".

Additionally, in some instances, PG&E does not routinely evaluate or report data in the same manner as requested in these templates. The requested data may also not be a primary unit of measure used by PG&E in its normal course of business. In such cases, PG&E used its best efforts to analyze its available data to complete the templates as instructed. For example, the instructions included in the Commission's templates (RegStation Replacement and Maintenance Costs) directed the gas utilities to include only low-pressure and medium-pressure regulator stations, excluding high-pressure regulator (HPR) stations. For regulator station replacement and maintenance work, projects on low-pressure regulator stations, on medium pressure stations and on other types of distribution stations are all tracked in the same MAT. Therefore, PG&E reviewed all projects in each MAT to categorize and exclude projects that were not performed on low-pressure or medium-pressure regulator stations for the purpose of completing the required templates. Similar situations exist in the Distribution Replacement Costs Data template. PG&E included explanatory information in the "PG&E Notes" column in such instances, for example:

> The values for "Cost per regulator station replaced" were obtained using recorded costs and units for low-pressure and medium-pressure regulator stations, a sub-set of all the projects in the Regulator Station Rebuild program (50C) from 2021 - 2024 (each year's value taken as is, values not escalated into 2024$ for the average calculation). Any ratesetting activity should rely on the forecast presented

in the GRC. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column.[3]

III. CONCLUSION

PG&E appreciates the opportunity to provide additional gas distribution system cost data as requested by the Commission.

Respectfully Submitted,

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Dated: November 5, 2025

[3] See RegStation Replacement Costs Data-PG&E, Costs by Operating District tab, Row E3, Column Y.

ATTACHMENT A

ATTACHMENT A-1

Distribution Replacement Costs Data Template

Pacific Gas and Electric Company
Distribution Replacement Costs Data Template (R.24-09-012)

Row ID	Program Category	Row Name	Value	Definition	PG&E Notes
A1	Main and service replacement programs	*Cost per service, for main programs*	*$33,682*	Average cost of gas distribution main and service replacement activities, per service. Also shown in next table, row B8, final column.	The value for the "Cost per service, for main programs" was derived using recoded costs from 2021 - 2024 which were then averaged. PG&E does not track services as a primary unit of measure for main replacement programs and routinely does not report this information. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the "Value" column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
A2	Service-only replacement programs	*Cost per service replaced, for services only*	*$35,081*	Average cost of replacing gas distribution services only.[1] Also shown in next table, row B1, final column.	for services only" was derived using recorded costs and units from 2021 - 2024 which were then averaged. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the "Value" column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
A3	Main and service replacement programs	Cost per main mile replaced	$3,871,135	Average cost of gas distribution main and service replacement activities, per mile of main. Also shown in next table, row B9, final column.	The value for "cost per main mile replaced" was derived using recorded costs and units from 2021 - 2024 which were then averaged. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the "Value" column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
A4	Main and service replacement programs	Services per project, for main programs	59	Average number of services in a single work order. Also shown in next table, row B10, final column.	For the value for "Services per project, for main programs," PG&E does not track services as a primary unit of measure for main replacement programs and routinely does not report this information
A5	Main and service replacement programs	Main program projects per year	318	Average work orders per year, totaled across the utility's main and service replacement programs. Also shown in next table, row B11, final column.	For the value for "Main program projects per year," PG&E is providing an average total count of job containing units associated with them from 2021 through 2024. The count excludes those jobs that did not have units associated with them in the 2021 through 2024 timeframe.
A6	Service-only replacement programs	Services replaced per year, when services only	670	Average number of services replaced by service-only replacement programs.[2] Also shown in next table, row B3, final column.	For the value for "Services replaced per year, when services only," PG&E is providing an average total count of services in the 2021 through 2024 timeframe.
A7	Both main and service and service-only replacement programs	Annual pipeline replacement expenditures	$653,135,770	Total cost across gas distribution replacement programs. Sum of next table's B5 and B15, final column.	For the value for "Annual pipeline replacement expenditures", PG&E is providing the "Total costs, for main and service replacement programs" and "Service-only program" on a per year average 2021 through 2024. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
A8	NA	*Maintenance cost per service*	*$63*	Average cost of gas distribution pipeline maintenance, per service, not including replacement costs. Also shown in later table, cell G1.	For the value for "Maintenance cost per service," PG&E utilized value from workbook file labeled: "Maintenance Costs - PG&E," tab labeled "Distribution Pipelines," and Row Name labeled "Maintenance cost per service."
A9	Main and service replacement programs	*Project planning period, for main programs*	*1024*	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.	For the value for "Project planning period, for main programs," PG&E used the average days between the job creation and the earliest scheduled construction date associated with the job. PG&E applied data validation rules to ensure data quality.
A10	Service-only replacement programs	*Project planning period, for services only*	*538*	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.	For the value for "Project planning period, for services only," PG&E used the average days between the job creation and the earliest scheduled construction date associated with the job. PG&E applied data validation rules to ensure data quality.

[1] 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 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.

PG&E Footnotes:

The information portrayed in this spreadsheet for MATs 14D, 50A, and 50B includes Butte Rebuild costs and units that are excluded from the 2023 and 2027 General Rate Case pursuant to D.23-11-069. The Butte Rebuild costs and units are presented in a CEMA review proceeding.

Pacific Gas and Electric Company
Distribution Replacement Costs Data Template (R.24-09-012)
Costs by Operating District

Row ID	Program Category	Row Name	Definition	Central Coast	De Anza	Diablo	East Bay	Fresno	Humboldt	Kern	Mission	North Bay	North Valley	Peninsula	Sacramento	San Francisco	San Jose	Sierra	Sonoma	Stockton	Yosemite	Systemwide[a]	Totals or Averages Across All Operating Districts	Totals or Averages Across All Operating Districts	PG&E Notes
B1	Service-only replacement programs	*Cost per service replaced, for services only*	Average cost of replacing gas distribution services only.[1] Calculated by dividing B5 by B3.	$28,973	$38,259	$43,801	$49,168	$24,863	$28,591	$15,327	$39,665	$52,893	$28,063	$30,457	$28,405	$39,465	$25,865	$29,681	$41,482	$32,598	$20,967		$35,081	[average]	The value for "cost per service replaced, for services only" was derived using recorded costs and units from 2021 - 2024 which were then averaged. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	$2,324,517	$3,510,258	$3,684,257	$5,384,709	$1,960,720	$2,507,172	$1,187,246	$2,839,246	$4,170,915	$2,418,775	$3,721,210	$2,263,154	$6,498,655	$2,694,135	$2,183,466	$2,391,957	$1,542,139	$1,620,508		$2,951,456	[average]	For the value for "Cost per service mile replaced, for services only", PG&E does not use a unit of measure (UoM) of miles for services for routine reporting or internal tracking purposes. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
B3	Service-only replacement programs	Services replaced per year, when services only	Average number of services replaced by service-only replacement programs.[2]	39	11	36	64	53	23	7	17	42	40	84	50	33	40	16	91	10	18		670	[total]	For the value for "Services replaced per year, when services only," PG&E is providing an average total count of services in the 2021 through 2024 timeframe.
B4	Service-only replacement programs	Service miles replaced, when services only	Total miles of service replaced by service-only replacement programs.	0.5	0.1	0.4	0.6	0.7	0.3	0.1	0.2	0.5	0.5	0.7	0.6	0.2	0.4	0.2	1.6	0.2	0.2		8.0	[total]	For the value for "Service miles replaced, when services only," PG&E does not use a unit of measure (UoM) of miles for services for routine reporting or internal tracking purposes. PG&E performed an export of service lengths from its GD GIS system of service-only jobs that had a unit associated in 2021 - 2024 timeframe.
B5	Service-only replacement programs	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."	$1,115,471	$401,722	$1,554,944	$3,134,445	$1,323,956	$650,448	$99,627	$654,476	$2,221,524	$1,108,501	$2,558,364	$1,413,160	$1,302,330	$1,034,597	$482,322	$3,764,508	$309,685	$382,639		$23,512,720	[total]	For the value for "Total costs, for service-only programs", PG&E is providing the per year average 2021 through 2024. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
B6	Service-only replacement programs	*Project planning period, for services only*	Average days between the date that the service(s) was identified for replacement and the date that replacement activities broke ground.	519	589	645	708	730	463	451	469	731	429	583	498	627	617	361	329	464	478		538	[average]	For the value for "Project planning period, for services only," PG&E used the average days between the job creation and the earliest scheduled construction date associated with the job. PG&E applied data validation rules to ensure data quality.
B7	Service-only replacement programs	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.	520	591	648	710	734	463	452	470	732	430	584	499	628	617	361	329	464	478		539	[average]	For the value for "Project time to completion, for services only," PG&E used the average days between the job creation and the construction complete task date associated with the job. PG&E applied data validation rules to ensure data quality.
[skip row]																									
B8	Main and service replacement programs	*Cost per service, for main programs*	Average cost of gas distribution main and service replacement activities, per service. Calculated by dividing B15 by B12.	$49,139	$56,676	$34,770	$37,347	$34,286	$31,641	$32,311	$35,346	$53,246	$31,883	$36,254	$29,669	$35,669	$30,505	$34,738	$38,613	$33,204	$27,127		$33,682	[average]	The value for the "Cost per service, for main programs' was derived using recoded costs from 2021 - 2024 which were then averaged. PG&E does not track services as a primary unit of measure for main replacement programs and routinely does not report this information. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	$3,723,484	$4,341,886	$3,897,126	$5,275,674	$3,762,682	$3,872,299	$3,819,850	$3,867,078	$4,744,103	$2,605,708	$4,928,772	$3,448,902	$7,430,953	$3,943,846	$3,586,912	$4,545,186	$3,622,373	$2,797,256		$3,871,135	[average]	The value for "cost per main mile replaced" was derived using recorded costs and units from 2021 - 2024 which were then averaged. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	30	32	72	57	66	95	64	82	36	29	63	71	91	70	38	34	73	66		59	[average]	For the value for "Services per project, for main programs," PG&E does not track services as a primary unit of measure for main replacement programs and routinely does not report this information. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column.
B11	Main and service replacement programs	Main program projects per year	Average work orders per year, totaled across the utility's main and service replacement programs.	10	3	16	27	19	4	9	14	11	46	18	51	15	16	15	9	15	21		318	[total]	For the value for "Main program projects per year," PG&E is providing an average total count of jobs per year containing units associated with them from 2021 through 2024. The count excludes those jobs that did not have units associated with them in the 2021 through 2024 timeframe.
B12	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.	308	89	1111	1543	1229	357	579	1163	388	1317	1108	3606	1368	1113	575	296	1120	1394		18663	[total]	For the value for "Services addressed by main programs," PG&E provided an average number of services replaced per year associated with main and service replacement program jobs in the 2021 through 2024 timeframe. PG&E's "planned service replacement" number was lower than the "services replaced" number and thus PG&E elected to utilized "services replaced".
B13	Main and service replacement programs	Main miles replaced	Total miles of main replaced by main and service replacement program work orders.	4	1	10	11	11	3	5	11	4	16	8	31	7	9	6	3	10	14		162	[total]	For the value for "Main miles replaced," PG&E provided the total average per year of miles of main replaced in the 2021 through 2024 time period.
B14	Main and service replacement programs	Service miles replaced, for main programs	Total miles of service replaced by main and service replacement program work orders.	3	1	10	12	13	3	8	10	4	10	9	32	9	9	5	3	11	15		168	[total]	For the value for "Service miles replaced, for main programs," PG&E does not routinely utilize a unit of measure (UoM) of "miles" for regulatory reporting or internal tracking for services within main replacement programs. PG&E performed an export of service lengths from its Gas Distribution (GD) GIS system of main and service replacement jobs that had a unit associated in 2021 - 2024 timeframe.
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.	$15,122,599	$5,058,338	$38,638,009	$57,607,758	$42,137,226	$11,303,741	$18,715,997	$41,089,720	$20,646,057	$41,989,653	$40,160,853	$106,995,003	$48,786,034	$33,951,620	$19,957,122	$11,419,781	$37,179,743	$37,822,161	$1,041,635	$629,623,050	[total]	For the value for "Total costs, for main programs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
B16	Main and service replacement programs	Cost Group																							

B17	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.	$4,114,450	$870,485	$13,420,534	$13,190,607	$16,202,687	$2,875,969	$7,890,641	$6,989,992	$4,933,758	$8,202,178	$10,877,368	$20,870,347	$20,194,868	$6,732,344	$7,714,006	$3,400,049	$11,044,612	$11,840,299	$436	$171,365,630	[total]	For the value for "Internal Labor and Related Costs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
B18	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.	$9,134,682	$3,779,403	$19,029,262	$38,161,536	$19,219,183	$7,039,537	$7,691,635	$30,152,112	$13,073,030	$32,133,535	$24,090,923	$75,624,358	$18,989,655	$24,007,645	$8,985,682	$6,544,500	$21,367,376	$20,740,611	$1,013,988	$380,778,654	[total]	For the value for "External Labor and Related Costs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
B19	Main and service replacement programs	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.	$379,450	$121,187	$1,037,141	$1,394,722	$1,164,743	$284,648	$692,023	$998,843	$452,672	$1,120,602	$810,686	$2,392,231	$1,130,795	$717,894	$584,125	$178,596	$1,056,295	$1,120,759	$25,034	$15,662,446	[total]	For the value for "Materials", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
B20	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."	$1,494,018	$287,263	$5,151,071	$4,860,893	$5,550,612	$1,103,587	$2,441,698	$2,948,773	$2,186,597	$533,338	$4,381,876	$8,108,067	$8,470,716	$2,493,738	$2,673,309	$1,296,636	$3,711,460	$4,120,492	$2,176	$61,816,320	[total]	For the value for "Other Misc Costs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
B21	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.	1,006	1,079	1,311	1,099	828	787	553	1,312	1,454	747	1,237	794	1,240	1,220	805	1,196	857	909		1,024	[average]	For the value for "Project planning period, for main programs," PG&E used the average days between the job creation and the earliest scheduled construction date associated with the job. PG&E applied data validation rules to ensure data quality.
B22	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.	1,107	1,228	1,474	1,240	1,019	993	697	1,490	1,564	861	1,398	929	1,451	1,354	908	1,311	1,024	1,040		1,171	[average]	For the value for "Project time to completion, for main programs," PG&E used the average days between the job creation and the construction complete task date associated with the job. PG&E applied data validation rules to ensure data quality.

[1] 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 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.

PG&E Footnotes:

The information portrayed in this spreadsheet for MATs 14D, 50A, and 50B includes Butte Rebuild costs and units that are excluded the 2023 and 2027 General Rate Case pursuant to D.23-11-069. The Butte Rebuild costs and units are presented in a CEMA review proceeding.

(a) The costs under "Systemwide" column are costs not allocated to a district in PG&E's financial data system.

Pacific Gas and Electric Company
Distribution Replacement Costs Data

Utility Wide Costs by Program (R.24-09-012)

Row ID	Program Category	Row Name	Definition	Gas Pipeline Replacement Program (MAT 14A)	Plastic Pipe Replacement Program (MAT 14D)	Reliability Pipe Replacement Program (MAT 50A)	Totals or Averages Across All Operating Districts	PG&E Notes
C1	Main and service replacement programs	*Cost per service, for main programs*	Average cost of gas distribution main and service replacement activities, per service. Calculated by dividing C8 by C5.	$41,197	$31,703	$37,760	$33,737	The value for the "Cost per service, for main programs" was derived using recoded costs from 2021 - 2024 which were then averaged. PG&E does not track services as a primary unit of measure for main replacement programs and routinely does not report this information. Due to volumes of work differing by PG&E programs, PG&E provides a weighted average for this value in the last column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	$5,015,369	$3,620,073	$4,140,301	$3,877,550	The value for "cost per main mile replaced" was derived using recorded costs and units from 2021 - 2024 which were then averaged. Due to volumes of work differing by PG&E programs, PG&E provides a weighted average for this value in the last column. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	50	67	33	59	For the value for "Services per project, for main programs," PG&E does not track services as a primary unit of measure for main replacement programs and routinely does not report this information.
C4	Main and service replacement programs	Main program projects per year	Average work orders per year, totaled across the utility's main and service replacement programs.	60	210	48	106	For the value for "Main program projects per year," PG&E is providing an average total count of jobs per year containing units associated with them from 2021 through 2024. The count excludes those jobs that did not have units associated with them in the 2021 through 2024 timeframe.
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.	3,000	14,098	1,564	18,663	For the value for "Services addressed by main programs," PG&E provided an average number of services replaced per year associated with main and service replacement program jobs in the 2021 through 2024 timeframe. PG&E's "planned service replacement" number was lower than the "services replaced" number and thus PG&E elected to utilized "services replaced".
C6	Main and service replacement programs	Main miles replaced	Total miles of main replaced by main and service replacement program work orders.	25	123	14	162	For the value for "Main miles replaced," PG&E provided a total average per year of miles of main replaced in the 2021 through 2024 time period.
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.	28	128	12	168	For the value for "Service miles replaced, for main programs," PG&E does not routinely utilize a unit of measure (UoM) of "miles" for regulatory reporting or internal tracking for services within main replacement programs. PG&E performed an export of service lengths from its Gas Distribution (GD) GIS system of main and service replacement jobs that had a unit associated in 2021 - 2024 timeframe.
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.	$123,602,010	$446,955,101	$59,065,940	$629,623,050	For the value for "Total costs, for main programs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
	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.	$38,241,611	$116,551,722	$16,572,297	$171,365,630	For the value for "Internal Labor and Related Costs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	$67,293,172	$280,484,936	$33,000,547	$380,778,654	For the value for "External Labor and Related Costs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
C11	Main and service replacement programs	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.	$3,390,946	$10,771,665	$1,499,835	$15,662,446	For the value for "Materials", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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."	$14,676,281	$39,146,778	$7,993,262	$61,816,320	For the value for "Other Misc Costs", PG&E is providing a per year average 2021 through 2024 costs for MATs 14A, 14D, and 50A. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	$0	$15,278,001	$7,286,395	$22,564,396	These costs include Butte Rebuild costs associated with MATs 14D and 50A that are excluded from the General Rate Case pursuant to D.23-11-069 but are included in the costs and units for purposes of this request.
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.	1,157	958	915	1,010	For the value for "Project planning period, for main programs," PG&E used the average days between the job creation and the earliest scheduled construction date associated with the job. PG&E applied data validation rules to ensure data quality.
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.	1,315	1,106	1,018	1,146	For the value for "Project time to completion, for main programs," PG&E used the average days between the job creation and the construction complete task date associated with the job. PG&E applied data validation rules to ensure data quality.

[1] 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 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.

PG&E Footnotes:

The information portrayed in this spreadsheet for MATs 14D, 50A, and 50B includes Butte Rebuild costs and units that are excluded from the 2023 and 2027 General Rate Case pursuant to D.23-11-069. The Butte Rebuild costs and units are presented in a CEMA review proceeding.

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 througch 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 aldyl-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 Juaquin 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 A-2

RegStation Replacment Costs Data

Row ID	Program Category	Row Name	Value	Definition	PG&E Notes
D1	Regulator station replacement programs	*Cost per service, for regulator station replacement*	*$ 1,324*	Average cost of replacing gas distribution regulator stations, per service. Also shown in next table, row E1, final column.	Any ratesetting activity should rely on the forecast presented in the Rate Case. The value presented in this spreadsheet is different from the forecast methodology used in the General Rate Case (GRC) or other proceedings. See 'Costs by Operating District' tab, row E1, final column.
D2	Regulator station replacement programs	Cost per customer meter, for regulator station replacement	*$ 1,080*	Average cost of replacing gas distribution regulator stations, per meter. Also shown in next table, row E2, final column.	Any ratesetting activity should rely on the forecast presented in the Rate Case. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings. See 'Costs by Operating District' tab, row E2, final column.
D3	Regulator station replacement programs	*Cost per regulator station replaced*	*$ 3,209,943*	Average cost of replacing a gas distribution regulator station. Also shown in next table, row E3, final column.	Any ratesetting activity should rely on the forecast presented in the Rate Case. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings. See 'Costs by Operating District' tab, row E3, final column.
D4	Regulator station replacement programs	Services per station, for replaced regulator stations	3925	Average number of services served by a replaced regulator station. Also shown in next table, row E4, final column.	See 'Costs by Operating District' tab, row E4, final column.
D5	Regulator station replacement programs	Meters per station, for replaced regulator stations	4131	Average number of meters[1] served by a replaced regulator station. Also shown in next table, row E5, final column.	See 'Costs by Operating District' tab, row E5, final column.
D6	Regulator station replacement programs	Regulator stations replaced per year	17	Average regulator stations replaced per year. Also shown in next table, row E6, final column.	See 'Costs by Operating District' tab, row E6, final column.
D7	Regulator station replacement programs	Services affected by replaced regulator stations	66730	Services served by replaced regulator stations. Also shown in next table, row E7, final column.	See 'Costs by Operating District' tab, row E7, final column.
D8	Regulator station replacement programs	Meters affected by replaced regulator stations	3902	Meters served by replaced regulator stations. Also shown in next table, row E8, final column.	See 'Costs by Operating District' tab, row E8, final column.
D9	Regulator station replacement programs	Total costs, for regulator station replacement	*$ 54,770,463*	Total costs of regulator station replacement program work orders. Also shown in next table, row E9, final column.	Any ratesetting activity should rely on the forecast presented in the Rate Case. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings. See 'Costs by Operating District' tab, row E9, final column.
D10 [(b)]	NA	*Maintenance cost per regulator station*	*$ 14,970*	Average cost of regulator station maintenance, per service, not including replacement costs. Also shown in later table, cell H1.	Values in row H1 of the 'Maintenance Costs - PG&E.xlsx', tab 'Medium-Pr Regulator Stations' tab are separated into calculated averages for medium-pressure regulator stations, and low-pressure regulator stations. The value reported here in row D10 is the average of all costs for medium and low pressure stations divided by the total count of medium and low pressure regulator stations (i.e. [value of H3 for low pressure + value of H3 for medium pressure + value of H4 for low pressure + value of H4 for medium pressure] divided by [value of H2 for low pressure + value of H2 for medium pressure]. To avoid formula breakage, only value was copied in this row. Any ratesetting activity should rely on the forecast presented in the GRC. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
D11	Regulator station replacement programs	*Project planning period, for regulator station replacement*	793	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.	See 'Costs by Operating District' tab, row E14, final column.

[1] Meters analogous to "customers" reported in existing data.

Row ID	Program Category	Row Name	Definition	Central Coast	Da Anza	Diablo	East Bay	Fresno	Kern	Humboldt	Mission	North Bay	Sonoma	North Valley	Peninsula	Sacramento	San Francisco	Sierra	San Jose	Stockton	Yosemite	Totals or Averages Across All Operating Districts	Calculation type requested for 'All Operating Districts'	PG&E Notes
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.	$ 1,209	$ 904	$ 1,164	$ 1,405	$ 592	$ 486	$ -	$ 266	$ 1,831	$ 2,192	$ 368	$ 1,788	$ 759	$ -	$ 1,234	$ 1,030	$ 17,111	$ 1,184	$ 1,324	[average]	The values for "Cost per service , for regulator station replacement" were derived using recorded costs and units for low-pressure and medium-pressure regulator stations, a sub-set of all the projects in the Regulator Station Rebuild program (50C) from 2021 - 2024 (each year's value taken as is, values not escalated into 2024$ for the average calculation). Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in GRC or other proceedings. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column.
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.	$ 903	$ 623	$ 819	$ 1,105	$ 460	$ 399	$ -	$ 548	$ 1,518	$ 1,732	$ 242	$ 1,302	$ 590	$ -	$ 946	$ 780	$ 15,381	$ 1,031	$ 1,080	[average]	The values for "Cost per customer meter, for regulator station replacement" were derived using recorded costs and units for low-pressure and medium-pressure regulator stations, a sub-set of all the projects in the Regulator Station Rebuild program (50C) from 2021 - 2024 (each year's value taken as is, values not escalated into 2024$ for the average calculation). Any ratesetting activity should rely on the forecast presented in the GRC. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings. For the total column, PG&E provides a weighted average for this value due to volumes of work differing by PG&E operating division. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column.
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.	$ 3,074,252	$ 3,239,567	$ 3,048,954	$ 3,283,640	$ 4,086,094	$ 3,226,512	$ -	$ 2,917,277	$ 4,306,765	$ 6,420,879	$ 1,884,799	$ 3,149,342	$ 2,535,334	$ -	$ 2,593,250	$ 4,244,429	$ 2,891,676	$ 3,365,621	$ 3,209,943	[average]	The values for "Cost per regulator station replaced" were obtained using recorded costs and units for low-pressure and medium-pressure regulator stations, a sub-set of all the projects in the Regulator Station Rebuild program (50C) from 2021 - 2024 (each year's value taken as is, values not escalated into 2024$ for the average calculation). Any ratesetting activity should rely on the forecast presented in the GRC. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column.
E6	Regulator station replacement programs	Regulator stations replaced per year	Average regulator stations replaced per year.	3.3	1.5	0.5	1.8	0.8	0.3	0.0	2.0	0.5	0.5	0.5	1.8	1.5	0.0	1.0	0.5	0.3	0.5	17.0	[total]	The value for "Regulator stations replaced per year" was obtained as an average per year over 2021 to 2024 of the number of low-pressure and medium-pressure regulator stations [as requested in the 'Definitions' tab, section h, item i (medium-pressure not including HPR), and ii (low-pressure) as well as footnote 11], in the 50C program (Regulator stations Rebuild) that had a unit capture. MAT 50C is tracking costs for all GD regulator stations. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit.
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.	$ 9,991,320	$ 4,859,351	$ 1,524,477	$ 5,746,370	$ 3,064,571	$ 806,628	$ 133,129	$ 5,834,553	$ 2,153,382	$ 3,210,439	$ 942,400	$ 5,511,349	$ 3,803,001	$ 68,299	$ 2,593,250	$ 2,122,215	$ 722,919	$ 1,682,810	$ 54,770,463	[total]	The value for "Total costs, for regulator station replacement" includes only the costs for low-pressure and medium-pressure distribution regulator stations incurred at the division-level. Programmatic costs affecting all divisions were not included, nor were costs for other stations such as HPR-type stations, per directions. Value calculated as E10 + E11 + E12 + E13. Any ratesetting activity should rely on the forecast presented in the GRC. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
	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.	$ 4,303,181	$ 1,944,746	$ 633,546	$ 2,510,372	$ 1,087,628	$ 401,628	$ 75,626	$ 2,245,076	$ 818,281	$ 1,380,859	$ 454,660	$ 2,362,739	$ 1,231,222	$ 20,367	$ 1,105,550	$ 999,627	$ 322,141	$ 710,829	$ 22,608,080	[total]	The value for "Internal Labor and Related Costs" was calculated as the average per year over 2021 to 2024 (each year's value taken as is, values not escalated into 2024$) of the the cost in that category of all the projects on low-pressure and medium-pressure regulator stations in the 50C program (Regulator stations Rebuild), except the program-level (i.e. not division-specific) work. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the GRC. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	$ 3,370,332	$ 1,684,984	$ 558,874	$ 1,383,553	$ 1,145,188	$ 179,024	$ 15,152	$ 1,931,538	$ 877,457	$ 1,089,508	$ 237,930	$ 1,607,587	$ 1,525,482	$ 19,531	$ 726,186	$ 592,505	$ 152,404	$ 532,587	$ 17,629,822	[total]	The value for "External Labor and Related Costs" was calculated as the average per year over 2021 to 2024 (each year's value taken as is, values not escalated into 2024$) of the the cost in that category of all the projects on low-pressure and medium-pressure regulator stations in the 50C program (Regulator stations Rebuild), except the program-level (i.e. not division-specific) work. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
E12	Regulator station replacement programs	Materials	Cost of pipe, valves, fittings, regulators, and other materials installed at the project.	$ 1,188,781	$ 503,581	$ 115,450	$ 733,899	$ 411,110	$ 79,668	$ 9,858	$ 768,546	$ 143,392	$ 201,716	$ 96,453	$ 645,147	$ 549,781	$ 40,842	$ 296,205	$ 208,452	$ 131,587	$ 192,372	$ 6,316,837	[total]	The value for "Materials" was calculated as average per year over 2021 to 2024 (each year's value taken as is, values not escalated into 2024$) of the the cost in that category of all the projects on low-pressure and medium-pressure regulator stations in the 50C program (Regulator stations Rebuild), except the program-level (i.e. not division-specific) work. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit. Any ratesetting activity should rely on the forecast presented in the GRC. The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
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.	$ 1,129,027	$ 726,039	$ 216,606	$ 1,118,545	$ 420,645	$ 146,307	$ 32,494	$ 889,394	$ 314,252	$ 538,357	$ 153,357	$ 895,876	$ 496,516	$ (12,442)	$ 465,311	$ 321,630	$ 116,787	$ 247,022	$ 8,215,725	[total]	The value for "Other Misc Costs" was calculated as the average per year over 2021 to 2024 (each year's value taken as is, values not escalated into 2024$) of the the cost in that category of all the projects on low-pressure and medium-pressure regulator stations in the 50C program (Regulator stations Rebuild), except the program-level (i.e. not division-specific) work. Depending on complexity and work scope, the life-cycle of projects can vary widely, with the major phases being project initiation, design and scoping, execution, documentation, mapping, and closeout. Therefore, each year, there are multiple projects that incur costs but that do not count as a completed unit.
E14	Regulator station replacement programs	*Project planning period, for regulator station replacement*	Average days between the date that the regulator station was identified for replacement and the date that replacement activities broke ground.	715	1021	643	801	1161	452		749	404	425	950	828	621	0	671	834	2662	779	793	[average]	For the value for "Project planning period, for regulator station replacement", PG&E used the average days between the order creation and the start of construction as recorded by the program management team. This is calculated only for the projects with unit capture in 2021 to 2024. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column.
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.	920	1223	778	1015	1339	627		886	500	693	1016	1061	698	0	772	976	2819	841	959	[average]	For the value for "Project time to completion, for regulator station replacement", PG&E used the average days between the order creation and the construction complete task date associated with the project. This is calculated only for the projects with unit capture in 2021 to 2024. Due to volumes of work differing by PG&E operating districts (divisions), PG&E provides a weighted average for this value in the last column.

[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.

Pacific Gas and Electric Company
RegStation Replacment Costs Data (R.24-09-012)
Costs By Pressure Districts

Column ID	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
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.
NA	114128	3	2	1	TBD	Medium pressure	3	2	2	0	Sierra	6115041001
NA	109215	2	1	1	TBD	Medium pressure	2	1	1	0	Humboldt	6023001102
NA	111001	27	30	1	TBD	Medium pressure	27	30	30	0	Peninsula	6081613000
NA	110132	2	2	1	TBD	Medium pressure	2	2	2	0	North Valley	6021010501
NA	112113	3	2	1	TBD	Medium pressure	3	2	2	0	Sacramento	6011000100, 6011000301
NA	105022	125	129	1	TBD	Medium pressure	125	129	129	0	Fresno	6019005515
NA	118134	2	2	1	TBD	Medium pressure	2	2	2	0	Central Coast	6053010504
NA	114083	2748	2621	1	TBD	Medium pressure	2748	2621	2621	0	Sierra	6061023400, 6061023900
NA	104001	307	585	10	1	Low pressure	3065	5852	5852	0	East Bay	6001427100, 6001427200, 6001427300, 6001427600, 6001427700, 6001427800, 6001427900, 6001428000, 6001428100, 6001428200, 6001428400, 6001428500
NA	104002	599	795	5	TBD	Medium pressure	2993	3977	3977	0	East Bay	6001427100, 6001428100, 6001428200
NA	104003	1932	2574	9	TBD	Medium pressure	17386	23163	23163	0	East Bay	6001420100, 6001420200, 6001420301, 6001420302, 6001420401, 6001420500, 6001420600, 6001421100, 6001421200, 6001421300, 6001421400, 6001421500, 6001421600, 6001421700, 6001421800, 6001421900, 6001422000, 6001422100, 6001422200, 6001422400, 6001422500, 6013354001, 6013356002, 6013389100, 6013390200, 6013391000, 6013392000
NA	112037	54	54	1	TBD	Medium pressure	54	54	54	0	North Bay	6095252904

NA	103018	420	456	1	TBD	Medium pressure	420	456	456	0	Diablo	6013321103, 6013347000, 6013356002
NA	110017	2054	2545	2	TBD	Medium pressure	4107	5090	5090	0	North Valley	6089012000, 6089012101, 6089012102, 6089012200, 6089012301, 6089012303
NA	108001	784	950	1	TBD	Medium pressure	784	950	950	0	North Bay	6055201700
NA	114084	1607	1739	2	TBD	Medium pressure	3213	3477	3477	0	Sacramento	6067008127, 6067008128, 6067008129, 6067008130
NA	118085	12	10	1	TBD	Medium pressure	12	10	10	0	Central Coast	6069000100, 6069000200
NA	112040	1016	1129	1	TBD	Medium pressure	1016	1129	1129	0	Sacramento	6011000100
NA	109001	1246	1939	4	1	Medium pressure	4985	7754	7754	0	Humboldt	6023000900, 6023001001, 6023001002, 6023001102, 6023001103, 6023001200, 6023001300
NA	112066	73	108	1	TBD	Medium pressure	73	108	108	0	Sacramento	6067005402, 6067005502
NA	118035	415	428	1	TBD	Medium pressure	415	428	428	0	Central Coast	6053010102, 6069000200, 6087123300
NA	117001	3831	4627	3	1	Medium pressure	11492	13880	13880	0	Yosemite	6047000503, 6047000504, 6047000505, 6047000601, 6047000602, 6047000603, 6047000701, 6047000702, 6047000801, 6047000802, 6047000904
NA	117013	1153	1147	1	TBD	Medium pressure	1153	1147	1147	0	Yosemite	6047000702, 6047000903
NA	117022	585	564	1	TBD	Medium pressure	585	564	564	0	Yosemite	6047000505, 6047000702
NA	114002	10047	13122	1	TBD	Medium pressure	10047	13122	13122	0	Sierra	6061020300, 6061020401, 6061020402, 6061020502, 6061021501, 6061021502, 6061021603, 6061021604, 6061021801, 6061021802, 6061021902
NA	117131	14	11	1	TBD	Medium pressure	14	11	11	0	Yosemite	6039000301
NA	105001	2156	2710	1	TBD	Medium pressure	2156	2710	2710	0	Fresno	6031001702, 6031001703
NA	117039	9	5	1	TBD	Medium pressure	9	5	5	0	Yosemite	6039000510, 6039000517

NA	106003	6639	8084	16	1	Medium pressure	106220	129351	129351	0	Kern	6029000102, 6029000201, 6029000202, 6029000300, 6029000400, 6029000507, 6029000601, 6029000602, 6029000603, 6029000701, 6029000702, 6029000800, 6029000902, 6029000903, 6029000904, 6029000905, 6029000906, 6029000907, 6029000908, 6029000909, 6029000911, 6029000912, 6029000913, 6029000914, 6029001001, 6029001002, 6029001003, 6029001101
NA	106006	241	433	3	TBD	Low pressure	723	1300	1300	0	Kern	6029001201, 6029001202, 6029001301, 6029001302, 6029001401, 6029001301
NA	104004	5814	6467	1	TBD	Medium pressure	5814	6467	6467	0	East Bay	6001409000, 6001428301, 6001428302
NA	103015	6164	7210	2	TBD	Medium pressure	12328	14420	14420	0	Diablo	6013310000, 6013311000, 6013313203, 6013313204, 6013313205, 6013313206, 6013314102, 6013314103, 6013314105, 6013314106, 6013314200, 6013315000, 6013355201, 6013355202
NA	114003	40	30	1	TBD	Medium pressure	40	30	30	0	Sierra	6115040902
NA	106004	731	733	2	TBD	Medium pressure	1461	1466	1466	0	Kern	6029006009, 6029006010
NA	108002	2486	3055	2	TBD	Medium pressure	4971	6110	6110	0	North Bay	6095250502, 6095252102, 6095252104, 6095252105, 6095252106, 6095252107
NA	108004	87	111	1	TBD	Medium pressure	87	111	111	0	North Bay	6095252102
NA	108003	1253	1761	3	1	Medium pressure	3759	5283	5283	0	North Bay	6095252000, 6095252102, 6095252107, 6095252108
NA	104031	129	194	1	TBD	Medium pressure	129	194	194	0	East Bay	6001420401, 6001420402, 6001422000
NA	110019	829	864	1	TBD	Medium pressure	829	864	864	0	North Valley	6007003600
NA	105002	309	340	1	TBD	Medium pressure	309	340	340	0	Fresno	6019004100
NA	118013	1276	1898	1	TBD	Medium pressure	1276	1898	1898	0	Central Coast	6053010306, 6053010400, 6053014601

NA	116070	465	482	1	TBD	Medium pressure	465	482	482	0	Stockton	6077000802, 6077003900
NA	106005	712	703	1	TBD	Medium pressure	712	703	703	0	Kern	6029005600
NA	111002	1550	2020	1	TBD	Medium pressure	1550	2020	2020	0	Peninsula	6081600100, 6081602300
NA	110020	730	777	2	TBD	Medium pressure	1459	1553	1553	0	North Valley	6089012701
NA	110035	42	46	1	TBD	Medium pressure	42	46	46	0	North Valley	6007001400, 6007001500
NA	110041	109	161	1	TBD	Medium pressure	109	161	161	0	North Valley	6007001500
NA	108005	1567	1985	1	TBD	Medium pressure	1567	1985	1985	0	North Bay	6055201900, 6055202000
NA	110061	71	111	1	TBD	Medium pressure	71	111	111	0	North Valley	6007002800, 6007003002
NA	112003	240	371	1	TBD	Medium pressure	240	371	371	0	Sacramento	6067007426, 6067007427
NA	118030	827	1221	2	TBD	Medium pressure	1653	2441	2441	0	Central Coast	6087121801, 6087121802
NA	118152	15	78	1	TBD	Medium pressure	15	78	78	0	Diablo	6013312000
NA	110083	8	9	1	TBD	Medium pressure	8	9	9	0	North Valley	6103000800
NA	117030	2137	2415	10	TBD	Medium pressure	21368	24147	24147	0	Yosemite	6099002302, 6099002303, 6099002304, 6099002401, 6099002402, 6099002503, 6099002504, 6099002505, 6099002506, 6099002602, 6099002603, 6099002604, 6099002605, 6099002701, 6099002702, 6099002901, 6099002903, 6099003002, 6099003003, 6099003004, 6099003100, 6099003603, 6099003608
NA	110021	10218	15537	3	TBD	Medium pressure	30655	46610	46610	0	North Valley	6007000103, 6007000401, 6007000102, 6007000103, 6007000104, 6007000201, 6007000202, 6007000300, 6007000401, 6007000403, 6007000404, 6007000501, 6007000502, 6007000601, 6007000603, 6007000604, 6007000700, 6007000800, 6007000901, 6007000903, 6007000904, 6007001000, 6007001100, 6007001200, 6007001300, 6007001400, 6007001500, 6007001602

NA	110022	170	283	5	TBD	Low pressure	848	1416	1416	0	North Valley	6007000601, 6007000603, 6007000700, 6007001000
NA	117002	1122	1062	1	TBD	Medium pressure	1122	1062	1062	0	Yosemite	6039000204
NA	117003	3244	3700	1	TBD	Medium pressure	3244	3700	3700	0	Yosemite	6039000204, 6039000301, 6039000302
NA	111003	215	224	1	TBD	Medium pressure	215	224	224	0	Peninsula	6081608800
NA	110059	95	50	1	TBD	Medium pressure	95	50	50	0	North Valley	6007003700
NA	112073	168	174	1	TBD	Medium pressure	168	174	174	0	Sacramento	6113010401
NA	103002	16378	20376	1	TBD	Medium pressure	16378	20376	20376	0	Diablo	6013313204, 6013332000, 6013333101, 6013333102, 6013333200, 6013334001, 6013334006, 6013334007, 6013334008, 6013337100, 6013337300, 6013355107, 6013355202, 6013355306, 6013355307, 6013355308, 6013355309, 6013355310
NA	109004	1300	1498	2	1	Medium pressure	2599	2995	2995	0	Sonoma	6097154100, 6097154201, 6097154202
NA	112041	25	12	1	TBD	Medium pressure	25	12	12	0	Sacramento	6011000200
NA	112043	37	8	1	TBD	Medium pressure	37	8	8	0	Sacramento	6011000200
NA	106046	305	387	1	TBD	Low pressure	305	387	387	0	Kern	6029001402
NA	109025	7	7	1	TBD	Medium pressure	7	7	7	0	Humboldt	6023010701, 6023010702
NA	112009	789	951	3	1	Medium pressure	2366	2853	2853	0	Sacramento	6011000200, 6011000500
NA	103003	3795	5131	13	TBD	Medium pressure	49334	66704	66704	0	Diablo	6013315000, 6013319001, 6013320001, 6013320003, 6013320004, 6013321101, 6013321102, 6013321103, 6013321200, 6013322000, 6013323000, 6013324002, 6013324003, 6013324004, 6013325000, 6013326000, 6013327001, 6013327002, 6013328000, 6013329000, 6013330000, 6013331000, 6013332000, 6013333200, 6013334001, 6013335000, 6013336101, 6013336103
NA	112010	3597	3674	1	TBD	Medium pressure	3597	3674	3674	0	North Bay	6095252205, 6095252206

NA	110023	1317	1676	2	TBD	Medium pressure	2634	3352	3352	0	North Valley	6103001000, 6103001000, 6103001101, 6103001102
NA	118058	307	320	2	TBD	Medium pressure	614	639	639	0	Central Coast	6053010702
NA	110024	1277	1408	1	TBD	Medium pressure	1277	1408	1408	0	North Valley	6089012200, 6089012303
NA	104005	1202	1595	1	TBD	Medium pressure	1202	1595	1595	0	Central Coast, East Bay	6013357000, 6013358000
NA	106024	93	95	1	TBD	Medium pressure	93	95	95	0	Kern	6029003220, 6029003222
NA	106037	10	13	1	TBD	Medium pressure	10	13	13	0	Kern	6029003213, 6029003823
NA	102001	51	187	1	1	Medium pressure	51	187	187	0	De Anza	6085504601, 6085504700, 6085509108
NA	102002	1082	2188	3	TBD	Medium pressure	3247	6563	6563	0	De Anza	6085509201, 6085509202, 6085509302, 6085509303, 6085509403, 6085509500, 6085509600, 6085509700
NA	102004	4086	5799	75	6	Medium pressure	306427	434932	434932	0	De Anza, San Jose	6085502500, 6085500100, 6085500200, 6085500300, 6085500400, 6085500500, 6085500600, 6085500800, 6085500901, 6085500902, 6085501000, 6085501101, 6085501102, 6085501200, 6085501300, 6085501401, 6085501402, 6085501501, 6085501502, 6085501601, 6085501602, 6085501700, 6085501800, 6085501901, 6085501902, 6085502001, 6085502002, 6085502101
NA	102005	970	1495	4	1	Medium pressure	3879	5978	5978	0	De Anza	6085504805, 6085504806, 6085504807, 6085508602, 6085508705, 6085508707, 6085508708, 6085508800, 6085508900, 6085509001, 6085509002

NA	111004	2405	3266	14	TBD	Medium pressure	33663	45718	45718	0	Peninsula, San Francisco	6075026403, 6075025800, 6075025900, 6075026201, 6075026302, 6075026303, 6075026401, 6075026402, 6075026403, 6075026404, 6075031302, 6075060502, 6075061000, 6075980501, 6081600100, 6081600200, 6081600300, 6081600401, 6081600402, 6081600501, 6081600502, 6081600600, 6081600701, 6081600702, 6081600800, 6081600900, 6081601000, 6081601100
NA	103004	3572	4454	14	TBD	Medium pressure	50002	62360	62360	0	Diablo, East Bay, Mission	6001421200, 6013304001, 6013307101, 6013334200, 6013337300, 6013338201, 6013338203, 6013338204, 6013338301, 6013338302, 6013339001, 6013339003, 6013339004, 6013340001, 6013340004, 6013341000, 6013343001, 6013343002, 6013343003, 6013345105, 6013345113, 6013345114, 6013345203, 6013345204, 6013345205, 6013346101, 6013346102, 6013346203

NA	112005	3160	5145	4	TBD	Medium pressure	12638	20579	20579	0	Sacramento	6113010505, 611301050l, 6113010505, 6113010508, 6113010509, 6113010510, 6113010511, 6113010512, 6113010513, 6113010602, 6113010609, 6113010610, 6113010611, 6113010701, 6113010703, 6113010704, 6113011207, 6113011208, 6113011301
NA	112006	1683	2560	3	TBD	Medium pressure	5050	7679	7679	0	North Bay, Sacramento	6095253300, 6113010401, 6113010505, 6113010605, 6113010607, 6113010608, 6113010610
NA	117004	2570	2802	1	TBD	Medium pressure	2570	2802	2802	0	Yosemite	6047000201, 6047000202, 6047000204, 6047000205
NA	106013	243	243	1	TBD	Medium pressure	243	243	243	0	Kern	6029005600, 6029006500
NA	103012	8212	10250	2	TBD	Medium pressure	16424	20499	20499	0	Diablo	6013302005, 6013302006, 6013302009, 6013302013, 6013305000, 6013306002, 6013306003, 6013306004, 6013307101, 6013307102, 6013307202, 6013308001, 6013308002, 6013312000, 6013355107, 6013355109, 6013355110, 6013355111
NA	103013	9970	10362	1	TBD	Medium pressure	9970	10362	10362	0	Diablo	6013302009, 6013303207, 6013308002, 6013355107, 6013355109, 6013355110, 6013355118, 6013355119, 6013355120
NA	103014	3516	4123	2	TBD	Medium pressure	7032	8246	8246	0	Diablo	6013307101, 6013307102, 6013307201, 6013307202, 6013307204, 6013307205, 6013313106, 6013355107
NA	103017	2417	2529	1	TBD	Medium pressure	2417	2529	2529	0	Diablo	6013303206, 6013303208, 6013304001

NA	103005	3294	3352	2	TBD	Medium pressure	6587	6703	6703	0	Diablo	6013304002, 6013304003, 6013304004, 6013304006, 6013304007, 6013355112
NA	103010	1439	1802	3	TBD	Medium pressure	4318	5406	5406	0	Diablo	6013309000, 6013310000, 6013311000, 6013312000
NA	103011	2620	3724	3	TBD	Medium pressure	7859	11172	11172	0	Diablo	6013311000, 6013312000, 6013313102, 6013313104, 6013313105, 6013313106, 6013313107, 6013313204, 6013313206
NA	112007	1764	1954	4	TBD	Medium pressure	7055	7815	7815	0	North Bay	6095253300, 6095253402, 6095253403, 6095253404
NA	117005	2415	2702	1	TBD	Medium pressure	2415	2702	2702	0	Yosemite	6047002401, 6047002403, 6047002404
NA	110040	42	45	1	TBD	Medium pressure	42	45	45	0	North Valley	6007002200, 6007002300
NA	114119	5	3	1	TBD	Medium pressure	5	3	3	0	Sacramento	6011000100
NA	103031	2	2	1	TBD	Medium pressure	2	2	2	0	Diablo	6013314200, 6013315000
NA	117139	4	4	1	TBD	Medium pressure	4	4	4	0	Yosemite	6039000506
NA	117140	5	4	1	TBD	Medium pressure	5	4	4	0	Yosemite	6039000510, 6039001100
NA	117124	18	20	1	TBD	Medium pressure	18	20	20	0	Yosemite	6047002100
NA	105038	18	20	1	TBD	Medium pressure	18	20	20	0	Fresno	6031001601
NA	117163	129	121	1	1	Medium pressure	129	121	121	0	Yosemite	6099003400
NA	117133	4	3	1	TBD	Medium pressure	4	3	3	0	Yosemite	6099003400
NA	117143	105	118	1	TBD	Medium pressure	105	118	118	0	Yosemite	6077004905
NA	109214	18	19	1	TBD	Medium pressure	18	19	19	0	Humboldt	6023000900
NA	106041	4	4	1	TBD	Medium pressure	4	4	4	0	Kern	6029005700
NA	117148	16	16	1	TBD	Medium pressure	16	16	16	0	Yosemite	6047000901
NA	117152	1	1	1	TBD	Medium pressure	1	1	1	0	Yosemite	6039000201
NA	118155	3	2	1	TBD	Medium pressure	3	2	2	0	Central Coast	6053010504
NA	117145	15	15	1	TBD	Medium pressure	15	15	15	0	Yosemite	6099003603
NA	117144	18	19	1	TBD	Medium pressure	18	19	19	0	Yosemite	6099003603
NA	112076	3	3	1	TBD	Medium pressure	3	3	3	0	Sacramento	6011000301
NA	118008	197	206	1	TBD	Medium pressure	197	206	206	0	Central Coast	6069000100, 6085513500
NA	110025	1237	1425	1	TBD	Medium pressure	1237	1425	1425	0	North Valley	6007001200, 6007001500
NA	118072	859	955	1	TBD	Medium pressure	859	955	955	0	Central Coast	6053014105, 6053014109
NA	116020	287	316	3	TBD	Medium pressure	861	947	947	0	Stockton	6077005214, 6077005310, 6077005503, 6077980000
NA	114006	5444	5694	3	TBD	Medium pressure	16332	17083	17083	0	Sierra	6017030701, 6017030706, 6017030709, 6017030710, 6017030711, 6017030712, 6017030801, 6017030807, 6017030808, 6017031700, 6017031800
NA	112057	37	51	1	TBD	Medium pressure	37	51	51	0	North Bay	6095252904, 6095252909

NA	111005	2171	3011	4	2	Medium pressure	8684	12045	12045	0	Peninsula	6081611901, 6081611500, 6081611600, 6081611700, 6081611800, 6081611901, 6081611902, 6081612001, 6081612002, 6081612101, 6081612102, 6081612500, 6081613900, 6085511200, 6085511302
NA	117006	2774	3088	1	TBD	Medium pressure	2774	3088	3088	0	Yosemite	6077004904, 6077004903, 6077004904, 6077004905, 6077004906
NA	112036	942	950	1	TBD	Medium pressure	942	950	950	0	Sacramento	6113011500
NA	109005	2469	3284	6	1	Medium pressure	14816	19701	19701	0	Humboldt	6023000100, 6023000200, 6023000300, 6023000400, 6023000500, 6023000600, 6023000700, 6023000800, 6023010701, 6023010702
NA	103024	16	18	1	TBD	Medium pressure	16	18	18	0	Diablo	6013315000
NA	112011	3794	4688	10	TBD	Medium pressure	37937	46883	46883	0	North Bay	6095252317, 6095252203, 6095252204, 6095252205, 6095252206, 6095252305, 6095252306, 6095252310, 6095252311, 6095252312, 6095252313, 6095252314, 6095252315, 6095252316, 6095252317, 6095252401, 6095252402, 6095252501, 6095252502, 6095252604, 6095252605, 6095252606, 6095252607, 6095252608, 6095252610, 6095252611, 6095252702, 6095252703
NA	110026	498	541	1	TBD	Medium pressure	498	541	541	0	North Valley	6089012702
NA	114082	4058	3945	1	TBD	Medium pressure	4058	3945	3945	0	Sierra	6061023200, 6061023300
NA	109007	1459	1653	1	TBD	Medium pressure	1459	1653	1653	0	Humboldt	6023010701, 6023010702
NA	117007	2013	2332	1	TBD	Medium pressure	2013	2332	2332	0	Yosemite	6019008403, 6019008404, 6019008405, 6039001100

NA	112013	8160	9887	3	TBD	Medium pressure	24481	29660	29660	0	Sacramento, Sierra	6017030706, 6017031700, 6067008402, 6067008403, 6067008404, 6067008501, 6067008504, 6067008505, 6067008506, 6067008507, 6067008508, 6067008509, 6067008510, 6067008512, 6067008513, 6067988300
NA	118011	1778	1777	1	TBD	Medium pressure	1778	1777	1777	0	Central Coast	6053014104, 6053014108, 6053014109
NA	118012	701	1885	1	TBD	Medium pressure	701	1885	1885	0	Central Coast	6053014102, 6053014105, 6053014109
NA	109009	2305	2862	2	1	Medium pressure	4610	5723	5723	0	Humboldt	6023010800, 6023010901, 6023010902, 6023011000
NA	105003	1139	1163	2	TBD	Medium pressure	2278	2325	2325	0	Fresno	6019001600, 6019001700, 6019007003, 6019007102, 6019007300
NA	105004	121	153	2	TBD	Low pressure	242	305	305	0	Fresno	6019001600
NA	105016	101	120	2	TBD	Low pressure	201	240	240	0	Fresno	6019000501, 6019000502, 6019002601, 6019002602
NA	105008	8009	10539	26	1	Medium pressure	208242	274003	274003	0	Fresno	6019000602, 6019001201, 6019001413, 6019002100, 6019002501, 6019002502, 6019003001, 6019003201, 6019003600, 6019003811, 6019004211, 6019004213, 6019004215, 6019004218, 6019004302, 6019005302, 6019005405, 6019005503, 6019005504, 6019005507, 6019005514, 6019005518, 6019005522, 6019005524, 6019005527, 6019005802, 6019005805, 6019005907
NA	105007	137	182	5	TBD	Low pressure	684	910	910	0	Fresno	6019000200, 6019000300

NA	112014	8183	8320	1	TBD	Medium pressure	8183	8320	8320	0	Sacramento	6067009403, 6067009408, 6067009409, 6067009410, 6067009501, 6067009502, 6067009503, 6067009504
NA	110003	750	577	1	TBD	Medium pressure	750	577	577	0	North Valley	6103000800, 6103000900
NA	109060	290	303	1	TBD	Medium pressure	290	303	303	0	Sonoma	6097154100
NA	115012	27	27	1	TBD	Low pressure	27	27	27	0	San Jose	6085512603, 6085512604
NA	109011	251	270	2	TBD	Medium pressure	501	540	540	0	Sonoma	6097150303, 6097150501, 6097150502
NA	118002	1807	2254	1	TBD	Medium pressure	1807	2254	2254	0	Central Coast	6053010804, 6053014800
NA	106008	2317	1953	1	TBD	Medium pressure	2317	1953	1953	0	Kern	6029003212, 6029003221
NA	114007	3592	4552	2	TBD	Medium pressure	7184	9104	9104	0	Sierra	6057000104, 6057000300, 6057000502, 6057000503, 6057000504, 6057000601, 6057000602, 6057000701, 6057000702, 6057000801, 6057000802
NA	114026	1769	2380	1	TBD	Medium pressure	1769	2380	2380	0	Sierra	6057000502, 6057000503, 6057000504, 6057000602, 6057000702
NA	109012	2312	2600	1	TBD	Medium pressure	2312	2600	2600	0	Sonoma	6097153405, 6097153601, 6097153602, 6097153705, 6097153711, 6097153712
NA	118003	3490	4476	1	TBD	Medium pressure	3490	4476	4476	0	Central Coast	6053011202, 6053011203, 6053011204
NA	110004	223	245	4	TBD	Medium pressure	890	981	981	0	North Valley	6007003300, 6007003400, 6007003502, 6007003600
NA	110005	1369	1554	2	TBD	Medium pressure	2738	3107	3107	0	North Valley	6007003400, 6007003501, 6007003502
NA	117008	977	1135	2	TBD	Medium pressure	1954	2270	2270	0	Yosemite	6047002001, 6047002002
NA	111008	6995	7897	1	TBD	Medium pressure	6995	7897	7897	0	Peninsula	6081613501, 6081613502, 6081613600, 6081613701, 6081613702
NA	110050	654	698	1	TBD	Medium pressure	654	698	698	0	North Valley	6021010501
NA	108006	1655	2856	1	TBD	Medium pressure	1655	2856	2856	0	Sonoma	6041104200, 6041105001, 6041105002
NA	109015	1636	2009	3	TBD	Medium pressure	4907	6026	6026	0	Sonoma	6097153902, 6097153903, 6097153904, 6097153905, 6097154000

NA	104006	1931	2141	2	1	Medium pressure	3861	4282	4282	0	East Bay	6013356002, 6013359104, 6013359203, 6013359204
NA	104007	2049	2620	3	TBD	Medium pressure	6148	7861	7861	0	East Bay	6013356001, 6013358000, 6013359104, 6013359105, 6013359203, 6013392300
NA	108007	1138	1180	1	TBD	Medium pressure	1138	1180	1180	0	North Bay	6055201003, 6095250106, 6095252205, 6095252206
NA	104008	2223	4295	1	TBD	Medium pressure	2223	4295	4295	0	East Bay	6013364002, 6013365003, 6013367100, 6013367200
NA	104025	110	516	1	TBD	Medium pressure	110	516	516	0	East Bay	6013392201
NA	117009	1841	2033	1	TBD	Medium pressure	1841	2033	2033	0	Yosemite	6047000403, 6047000404
NA	118009	3916	4529	4	TBD	Medium pressure	15662	18114	18114	0	Central Coast	6069000300, 6053000106, 6069000100, 6069000200, 6069000300, 6069000400, 6069000501, 6069000502, 6069000601, 6069000602, 6069000701, 6069000702, 6069000801, 6069000802
NA	109081	187	235	1	TBD	Medium pressure	187	235	235	0	Sonoma	6045011800
NA	118167	56	64	1	TBD	Medium pressure	56	64	64	0	Yosemite	6099003300, 6099003400
NA	117010	912	905	3	1	Medium pressure	2735	2714	2714	0	Yosemite	6099002901, 6099002903, 6099002904
NA	105009	1041	1643	1	TBD	Medium pressure	1041	1643	1643	0	Fresno	6019007801, 6019007802
NA	109024	358	455	1	TBD	Medium pressure	358	455	455	0	Humboldt	6023000800, 6023000900, 6023010600
NA	116025	1127	1181	2	TBD	Medium pressure	2253	2362	2362	0	Stockton	6005000301, 6005000303
NA	116027	1631	2074	2	TBD	Medium pressure	3261	4148	4148	0	Stockton	6005000201, 6005000303, 6005000304, 6005000401, 6005000402, 6005000500
NA	116001	743	763	1	TBD	Medium pressure	743	763	763	0	Stockton	6077004105, 6077004106, 6077004600, 6077004703
NA	110008	367	344	1	TBD	Medium pressure	367	344	344	0	North Valley	6089012701
NA	112017	1761	1766	1	TBD	Medium pressure	1761	1766	1766	0	North Bay	6095252317
NA	108062	103	159	1	1	Medium pressure	103	159	159	0	North Bay	6055200900, 6055201005
NA	105011	4142	5494	1	TBD	Medium pressure	4142	5494	5494	0	Fresno	6019004003, 6019004004, 6019004005, 6019004006
NA	118004	2835	3679	1	TBD	Medium pressure	2835	3679	3679	0	Central Coast	6053011302, 6053011303, 6053011305, 6053011306

NA	106001	893	853	1	TBD	Medium pressure	893	853	853	0	Kern	6027000800, 6071008901
NA	110084	10	9	1	TBD	Medium pressure	10	9	9	0	North Valley	6103000800
NA	118073	516	90	1	TBD	Medium pressure	516	90	90	0	Central Coast	6053013100, 6053013200
NA	118036	575	632	2	1	Medium pressure	1150	1263	1263	0	Central Coast	6087122203, 6087122205, 6087122300
NA	112108	3	1	1	TBD	Medium pressure	3	1	1	0	Sacramento	6067009618
NA	116077	169	188	2	TBD	Medium pressure	338	376	376	0	Stockton	6077005213, 6077005223, 6077005225
NA	118037	385	433	4	1	Medium pressure	1540	1731	1731	0	Central Coast	6053010101, 6053010102, 6053010202, 6053014601
NA	116003	3393	3677	12	TBD	Medium pressure	40721	44125	44125	0	Stockton	6077003803, 6077005106, 6077005108, 6077005109, 6077005119, 6077005122, 6077005123, 6077005124, 6077005125, 6077005126, 6077005127, 6077005129, 6077005130, 6077005131, 6077005132, 6077005133, 6077005134, 6077005135, 6077005136, 6077005137, 6077005138, 6077005139, 6077005140, 6077005141, 6077005214
NA	109039	28	17	1	TBD	Medium pressure	28	17	17	0	Sonoma	6097151601, 6097151602
NA	114085	4036	4374	2	TBD	Medium pressure	8072	8747	8747	0	Sierra	6061021304, 6061021401, 6061021403, 6061023300, 6061023400, 6061023502, 6061023700, 6061023800, 6061023900
NA	114011	1993	2542	3	TBD	Medium pressure	5979	7626	7626	0	Sierra	6115040301, 6115040302, 6115040304, 6115040305, 6115040400, 6115040701, 6115040702, 6115040901
NA	114013	1486	1774	2	TBD	Medium pressure	2972	3548	3548	0	Sierra	6101050701, 6101050702
NA	117011	1187	1371	1	TBD	Medium pressure	1187	1371	1371	0	Yosemite	6047000301
NA	117012	2441	2832	1	TBD	Medium pressure	2441	2832	2832	0	Yosemite	6047000301, 6047000305, 6047000306

NA	116005	2312	2947	10	TBD	Medium pressure	23121	29471	29471	0	Stockton	6077004004, 6077004104, 6077004105, 6077004106, 6077004107, 6077004108, 6077004202, 6077004203, 6077004204, 6077004205, 6077004206, 6077004302, 6077004305, 6077004307, 6077004308, 6077004309, 6077004310, 6077004402, 6077004403, 6077004404, 6077004501, 6077004502, 6077004600, 6077004701, 6077004704
NA	116004	98	158	2	TBD	Low pressure	195	315	315	0	Stockton	6077004204, 6077004302, 6077004403, 6077004404
NA	116052	39	36	1	TBD	Medium pressure	39	36	36	0	Stockton	6077004001, 6077004106
NA	116069	115	206	1	TBD	Medium pressure	115	206	206	0	Stockton	6077004106, 6077004108
NA	116056	455	498	1	TBD	Medium pressure	455	498	498	0	Stockton	6077004600
NA	116043	4	3	1	TBD	Medium pressure	4	3	3	0	Stockton	6077004104, 6077004105
NA	111036	2	4	1	TBD	Medium pressure	2	4	4	0	Peninsula	6081606900
NA	117014	4576	4890	3	TBD	Medium pressure	13727	14669	14669	0	Yosemite	6047002100, 6047002201, 6047002203, 6047002204, 6047002301, 6047002303, 6047002304, 6047002305, 6047002306
NA	112063	385	382	1	TBD	Medium pressure	385	382	382	0	Sacramento	6011000400
NA	117015	2318	2819	7	TBD	Medium pressure	16223	19734	19734	0	Yosemite	6039000510, 6039000511, 6039000512, 6039000514, 6039000515, 6039000517, 6039000518, 6039000602, 6039000603, 6039000604, 6039000701, 6039000702, 6039000801, 6039000802, 6039000901, 6039000902, 6039000903, 6039001100
NA	117046	5089	3155	1	TBD	Medium pressure	5089	3155	3155	0	Yosemite	6039000102, 6039000509, 6039001100
NA	117016	45	71	2	TBD	Low pressure	90	142	142	0	Yosemite	6039000802

NA	117017	1566	1761	1	TBD	Medium pressure	1566	1761	1761	0	Yosemite	6039000513, 6039000515, 6039000602, 6039000701
NA	116060	71	75	1	TBD	Medium pressure	71	75	75	0	Stockton	6077005004, 6077005106
NA	116032	3	2	1	TBD	Medium pressure	3	2	2	0	Stockton	6005000303
NA	106016	464	437	1	TBD	Medium pressure	464	437	437	0	Kern	6029003303
NA	108008	3516	4711	15	2	Medium pressure	52742	70668	70668	0	North Bay, Sonoma	6041124200, 6041106001, 6041107000, 6041108100, 6041108201, 6041108202, 6041109001, 6041109002, 6041110100, 6041110200, 6041111001, 6041111002, 6041112100, 6041112202, 6041112203, 6041112204, 6041114100, 6041114200, 6041115000, 6041116000, 6041117000, 6041118100, 6041119100, 6041119201, 6041119202, 6041120001, 6041120002, 6041121100
NA	108009	831	1212	3	1	Medium pressure	2492	3637	3637	0	Sonoma	6041106002, 6041106001, 6041106002
NA	108031	111	372	1	TBD	Medium pressure	111	372	372	0	Sonoma	6041121200, 6041122000
NA	118014	5724	7710	1	TBD	Medium pressure	5724	7710	7710	0	Central Coast	6053014102, 6053014104, 6053014105, 6053014201, 6053014202, 6053014301, 6053014302
NA	112018	4190	3812	1	TBD	Medium pressure	4190	3812	3812	0	North Bay	6095253501, 6095253501, 6095253502
NA	103006	3257	4063	2	TBD	Medium pressure	6513	8126	8126	0	Diablo	6013316000, 6013317000, 6013318000, 6013319001, 6013319002, 6013320001, 6013321101, 6013321102, 6013321103, 6013356002
NA	114014	1222	1752	3	TBD	Medium pressure	3666	5256	5256	0	Sierra	6115040100, 6115040100, 6115040201, 6115040202
NA	112021	197	181	1	TBD	Medium pressure	197	181	181	0	Sacramento	6067007301
NA	118068	61	69	1	TBD	Medium pressure	61	69	69	0	Central Coast	6087122100

NA	109018	7089	8864	1	TBD	Medium pressure	7089	8864	8864	0	Humboldt	6023001102, 6023001200, 6023001300, 6023010300, 6023010400, 6023010502, 6023010503, 6023010504
NA	117018	2222	2968	1	TBD	Medium pressure	2222	2968	2968	0	Yosemite	6019008301, 6019008303, 6019008304
NA	117019	3486	4478	8	1	Medium pressure	27884	35821	35821	0	Yosemite	6047000901, 6047000903, 6047001003, 6047001004, 6047001005, 6047001006, 6047001007, 6047001008, 6047001101, 6047001200, 6047001301, 6047001302, 6047001401, 6047001402, 6047001501, 6047001502, 6047001503, 6047001601, 6047001603, 6047001604, 6047001700, 6047001801, 6047001901, 6047002500, 6047002601, 6047002602
NA	117021	1770	1937	1	TBD	Medium pressure	1770	1937	1937	0	Yosemite	6047000903, 6047000904, 6047001008, 6047002500
NA	117020	90	176	3	TBD	Low pressure	269	529	529	0	Yosemite	6047001301, 6047001302
NA	118053	618	660	1	1	Medium pressure	618	660	660	0	Central Coast	6053014700
NA	115013	2074	2451	15	TBD	Medium pressure	31114	36763	36763	0	San Jose	6085512305, 6085512308, 6085512310, 6085512401, 6085512505, 6085512510, 6085512603, 6085512604, 6085512100, 6085512200, 6085512305, 6085512307, 6085512308, 6085512309, 6085512310, 6085512311, 6085512312, 6085512313, 6085512314, 6085512401, 6085512402, 6085512505, 6085512509, 6085512510, 6085512511, 6085512512, 6085512513, 6085512514,

NA	109029	264	268	1	TBD	Medium pressure	264	268	268	0	Humboldt	6023000800, 6023010600
NA	117023	120	163	3	TBD	Low pressure	360	489	489	0	Yosemite	6099001200, 6099001800
NA	117024	92	114	2	TBD	Low pressure	183	228	228	0	Yosemite	6099001601, 6099001700, 6099002200
NA	117025	3873	4769	18	1	Medium pressure	69721	85842	85842	0	Yosemite	6099000403, 6099000404, 6099000405, 6099000407, 6099000501, 6099000503, 6099000505, 6099000506, 6099000511, 6099000512, 6099000513, 6099000601, 6099000602, 6099000801, 6099000803, 6099000805, 6099000806, 6099000807, 6099000905, 6099000906, 6099000907, 6099000908, 6099000909, 6099000910, 6099000911, 6099000913, 6099000914, 6099000915
NA	118018	3256	4120	9	1	Medium pressure	29302	37077	37077	0	Central Coast	6053011001, 6053011002, 6053011604, 6053011605, 6053011606, 6053011700, 6053011801, 6053011802, 6053011901, 6053011902, 6053012000, 6053012100, 6053012200, 6053012302, 6053012503, 6053012504, 6053012601, 6053012700, 6053012800, 6053013000, 6053013100, 6053013200, 6053013300, 6053013400, 6053013500, 6053013600, 6053013700, 6053013800
NA	118020	183	470	2	1	Medium pressure	366	939	939	0	Central Coast	6053013000
NA	116007	7503	7739	1	TBD	Medium pressure	7503	7739	7739	0	Diablo, Stockton	6001451104, 6013304002, 6077005221, 6077005222, 6077005223
NA	114032	19	17	1	TBD	Medium pressure	19	17	17	0	North Valley, Sierra	6007003502, 6101050701
NA	114038	113	114	1	TBD	Medium pressure	113	114	114	0	Sierra	6101050702
NA	114039	29	31	1	TBD	Medium pressure	29	31	31	0	Sierra	6101050603, 6101050702

NA	114073	86	88	1	TBD	Medium pressure	86	88	88	0	Sierra	6101051000
NA	114043	19	20	1	TBD	Medium pressure	19	20	20	0	Sierra	6115041001
NA	104011	3835	7769	6	1	Medium pressure	23010	46616	46616	0	East Bay	6001400100, 6001982100, 6001400100, 6001400200, 6001400300, 6001400400, 6001400500, 6001400600, 6001400700, 6001400800, 6001400900, 6001401000, 6001401100, 6001401200, 6001401300, 6001401400, 6001401500, 6001401600, 6001401700, 6001401800, 6001402200, 6001402400, 6001402500, 6001402600, 6001402700, 6001402801, 6001402802, 6001402900
NA	110108	3	2	1	TBD	Medium pressure	3	2	2	0	North Valley	6021010502
NA	108010	112	172	1	TBD	Medium pressure	112	172	172	0	North Bay	6055201005
NA	108015	1805	2803	5	TBD	Medium pressure	9027	14015	14015	0	North Bay	6055200201, 6055200202, 6055200203, 6055200501, 6055200503, 6055200504, 6055200505, 6055200602, 6055200802, 6055200803, 6055200804
NA	108011	1284	1542	3	TBD	Medium pressure	3852	4625	4625	0	North Bay	6055200501, 6055200501, 6055200504, 6055200601, 6055200602, 6055201200
NA	108012	2986	3401	2	1	Medium pressure	5971	6802	6802	0	North Bay	6055200202, 6055200301, 6055200302, 6055200400, 6055200503, 6055200900, 6055201003, 6055201401, 6055201402
NA	108013	1762	2012	4	TBD	Medium pressure	7049	8048	8048	0	North Bay	6055200703, 6055200704, 6055200705, 6055200706, 6055200707, 6055200803, 6055200804, 6055201101, 6055201102, 6055201200

NA	112023	4212	4754	2	TBD	Medium pressure	8424	9508	9508	0	Sacramento	6067007001, 6067007007, 6067007010, 6067007011, 6067007012, 6067007013, 6067007021, 6067007022, 6067007023, 6067007024
NA	112024	9773	13353	2	TBD	Medium pressure	19546	26706	26706	0	Sacramento	6067007001, 6067007016, 6067007017, 6067007019, 6067007025, 6067007026, 6067007027, 6067007028, 6067007101, 6067007103, 6067007105, 6067007106, 6067007107, 6067007108, 6067007109, 6067007110, 6067007111
NA	112038	1030	1829	2	TBD	Medium pressure	2060	3658	3658	0	Sacramento	6067007010, 6067007020
NA	112027	1191	979	1	TBD	Medium pressure	1191	979	979	0	Sacramento	6067007101, 6067007107
NA	114016	366	407	2	TBD	Medium pressure	731	814	814	0	Sierra	6057000801, 6057000802
NA	117026	3574	4061	1	TBD	Medium pressure	3574	4061	4061	0	Yosemite	6047002001, 6099003400, 6099003501, 6099003502
NA	112028	4442	5818	28	3	Medium pressure	124366	162916	162916	0	Sacramento, Sierra	6061020601, 6061020605, 6061020606, 6061020710, 6061020908, 6061021327, 6061022500, 6067005402, 6067005403, 6067005404, 6067005502, 6067005505, 6067005506, 6067005508, 6067005509, 6067005510, 6067005601, 6067005605, 6067005606, 6067005701, 6067005702, 6067005801, 6067005803, 6067005804, 6067005901, 6067005903, 6067005904, 6067006002
NA	117037	40	51	1	TBD	Medium pressure	40	51	51	0	Yosemite	6039000513

NA	108018	5577	7033	3	TBD	Medium pressure	16732	21100	21100	0	Sonoma	6041101100, 6041101200, 6041102100, 6041102202, 6041102203, 6041103100, 6041103200, 6041104102, 6041104103, 6041104104, 6041104200, 6041104300, 6041105001, 6041105002, 6041133000
NA	117027	2620	3026	2	TBD	Medium pressure	5239	6051	6051	0	Yosemite	6099000102, 6099000201, 6099000202, 6099000204, 6099000205
NA	117028	179	210	4	TBD	Low pressure	715	838	838	0	Yosemite	6099000201, 6099000202, 6099000204, 6099000205
NA	117029	3604	4111	3	TBD	Medium pressure	10811	12334	12334	0	Yosemite	6099000102, 6099000201, 6099000202, 6099000301, 6099000302, 6099000303, 6099000304, 6099000403, 6099000404, 6099000405, 6099000406, 6099000407
NA	104009	7310	7816	1	TBD	Medium pressure	7310	7816	7816	0	Diablo, East Bay	6001400100, 6001404200, 6001404300, 6001404400, 6001404502, 6001404600, 6001404700, 6001408000, 6001408100, 6001430102, 6013352202, 6013353001
NA	104010	4006	4590	1	1	Medium pressure	4006	4590	4590	0	East Bay	6001408000, 6001408100, 6001409800, 6001409900, 6001410000, 6001410100, 6001430102

NA	104012	330	664	23	TBD	Low pressure	7598	15276	15276	0	East Bay	6001400200, 6001400300, 6001400400, 6001400500, 6001400600, 6001400700, 6001400800, 6001400900, 6001401000, 6001401100, 6001401200, 6001401300, 6001401400, 6001401500, 6001401600, 6001402700, 6001403501, 6001421800, 6001421900, 6001422100, 6001422200, 6001422300, 6001422400, 6001422901, 6001422902, 6001423000, 6001423100, 6001423400
NA	104032	4024	5450	42	1	Medium pressure	169022	228895	228895	0	East Bay, Mission	6001433300, 6001433400, 6001403302, 6001405700, 6001405800, 6001405902, 6001406000, 6001406100, 6001406202, 6001406400, 6001407300, 6001407400, 6001407500, 6001408600, 6001408700, 6001408800, 6001408900, 6001409000, 6001409100, 6001409200, 6001409300, 6001409400, 6001409500, 6001409600, 6001410000, 6001410200, 6001410300, 6001410400
NA	104013	311	468	5	TBD	Low pressure	1555	2339	2339	0	East Bay	6001407500, 6001408600, 6001408700

NA	104022	352	693	17	TBD	Low pressure	5987	11786	11786	0	East Bay	6001405700, 6001405800, 6001405901, 6001405902, 6001406000, 6001406100, 6001406201, 6001406202, 6001406300, 6001406400, 6001406500, 6001406601, 6001406602, 6001407000, 6001407101, 6001407102, 6001407200, 6001407400, 6001407600
NA	104014	3028	4927	20	TBD	Medium pressure	60561	98549	98549	0	East Bay, Mission	6001400100, 6001400200, 6001400300, 6001401200, 6001401300, 6001401400, 6001401500, 6001401600, 6001402400, 6001402600, 6001402700, 6001402801, 6001402802, 6001402900, 6001403000, 6001403100, 6001403301, 6001403302, 6001403401, 6001403402, 6001403501, 6001403502, 6001403600, 6001403701, 6001403702, 6001403800, 6001403900, 6001404000
NA	104015	248	509	4	TBD	Low pressure	990	2037	2037	0	East Bay	6001401700, 6001401800, 6001402200, 6001410500
NA	109019	1571	1712	2	TBD	Medium pressure	3142	3423	3423	0	Sonoma	6097151601, 6097151602, 6097152501, 6097152602
NA	104041	6	14	1	TBD	Medium pressure	6	14	14	0	East Bay	6001425102
NA	114017	2159	2412	2	TBD	Medium pressure	4318	4824	4824	0	Sierra	6115040400, 6115040500, 6115040600, 6115040702, 6115040901
NA	118055	540	673	1	TBD	Medium pressure	540	673	673	0	Central Coast	6053013200, 6053013300
NA	110047	29	21	1	TBD	Medium pressure	29	21	21	0	North Valley	6021010502
NA	103009	2061	2154	2	TBD	Medium pressure	4121	4308	4308	0	Diablo	6013348000, 6013353001, 6013353002, 6013354001, 6013354002
NA	110055	7	5	1	TBD	Medium pressure	7	5	5	0	North Valley	6021010200, 6021010501

NA	110052	3182	3702	1	TBD	Medium pressure	3182	3702	3702	0	North Valley	6021010101, 6021010102, 6021010200
NA	110011	2056	2477	5	TBD	Medium pressure	10281	12387	12387	0	North Valley	6007002500, 6007002602, 6007002700, 6007002800, 6007002900, 6007003001, 6007003002, 6007003100, 6007003200, 6007003300, 6007003700
NA	110013	625	664	1	TBD	Medium pressure	625	664	664	0	North Valley	6007002800, 6007003001, 6007003002
NA	118021	2111	2969	2	TBD	Medium pressure	4222	5937	5937	0	Central Coast	6053011902, 6053012100, 6053012200, 6053012302, 6053012401, 6053012402, 6053012503, 6053012504
NA	111007-1	2708	3345	13	1	Medium pressure	35209	43479	43479	0	Peninsula	6075026303, 6081600100, 6081600600, 6081600701, 6081600702, 6081601301, 6081601302, 6081601601, 6081601603, 6081601604, 6081601700, 6081601800, 6081601901, 6081601902, 6081602001, 6081602002, 6081602201, 6081602202, 6081602300, 6081602400, 6081602500, 6081602601, 6081602602, 6081602700, 6081603000, 6081603100, 6081603200, 6081603300,

NA	111007-2	2211	3270	6	1	Medium pressure	13266	19622	19622	0	Peninsula	6081602300, 6081604500, 6081608300, 6081604700, 6081606100, 6081606400, 6081606600, 6081607200, 6081607300, 6081607400, 6081607500, 6081607600, 6081607702, 6081607800, 6081607900, 6081608001, 6081608002, 6081608013, 6081608023, 6081608024, 6081608025, 6081608100, 6081608200, 6081608300, 6081608400, 6081608501, 6081608600, 6081608700
NA	110014	10218	4559	1	TBD	Medium pressure	10218	4559	4559	0	North Valley	6007001800, 6007001900, 6007002000, 6007002100, 6007002200, 6007002300
NA	117031	2466	2655	3	TBD	Medium pressure	7397	7964	7964	0	Yosemite	6099003201, 6099003203, 6099003204, 6099003205, 6099003206, 6099003300
NA	112069	14	11	1	TBD	Medium pressure	14	11	11	0	Sacramento	6011000500, 6021010502
NA	111010	1319	1864	59	1	Medium pressure	77842	109997	109997	0	Peninsula	6081608600, 6081608900, 6081611400, 6081611500, 6081605000, 6081605100, 6081605200, 6081605300, 6081605400, 6081605501, 6081605502, 6081605600, 6081605700, 6081605800, 6081605901, 6081605902, 6081606000, 6081606100, 6081606201, 6081606202, 6081606300, 6081606400, 6081606500, 6081606600, 6081606700, 6081606800, 6081606900, 6081607000

NA	104016	8411	9985	2	TBD	Medium pressure	16821	19969	19969	0	East Bay	6013360101, 6013356002, 6013359102, 6013359103, 6013359104, 6013359202, 6013360101, 6013360102, 6013360200, 6013361000, 6013363000, 6013364002, 6013392201, 6013392202
NA	103019	22	21	2	TBD	Medium pressure	44	41	41	0	Diablo	6013305000, 6013307202, 6013309000, 6013312000
NA	107015	7	7	1	TBD	Medium pressure	7	7	7	0	Mission	6001451202
NA	107019	12	11	1	TBD	Medium pressure	12	11	11	0	Mission	6001451103
NA	107002	3094	3799	16	1	Medium pressure	49496	60787	60787	0	Mission	6001450601, 6001450603, 6001450604, 6001450605, 6001450606, 6001450607, 6001450608, 6001450609, 6001450701, 6001450741, 6001450742, 6001450743, 6001450744, 6001450745, 6001450746, 6001450751, 6001450752, 6001451102, 6001451103, 6001451104, 6001451201, 6001451202, 6001451300, 6001451401, 6001451403, 6001451404, 6001451501, 6001451503,
NA	114018	4204	3515	1	TBD	Medium pressure	4204	3515	3515	0	Sierra	6115040701
NA	104017	355	543	2	1	Medium pressure	710	1085	1085	0	East Bay	6013378000
NA	118026	200	187	1	TBD	Medium pressure	200	187	187	0	Central Coast	6053010606, 6053014800
NA	113014	180	378	3	TBD	Medium pressure	539	1134	1134	0	San Francisco	6075013300, 6075042800, 6075060100
NA	112067	156	152	1	TBD	Medium pressure	156	152	152	0	Sacramento	6011000400
NA	112099	35	31	1	TBD	Medium pressure	35	31	31	0	North Valley, Sacramento	6021010502
NA	110078	182	179	1	TBD	Medium pressure	182	179	179	0	North Valley	6089012200
NA	110074	149	186	1	TBD	Medium pressure	149	186	186	0	North Valley	6089012301
NA	110073	157	147	1	TBD	Medium pressure	157	147	147	0	North Valley	6089012301
NA	110072	308	294	1	TBD	Medium pressure	308	294	294	0	North Valley	6089012301, 6089012302
NA	110448	1752	1857	1	TBD	Medium pressure	1752	1857	1857	0	North Valley	6089011002, 6089011100
NA	110080	9	9	1	TBD	Medium pressure	9	9	9	0	North Valley	6089011001
NA	114081	704	642	2	TBD	Medium pressure	1407	1284	1284	0	Sierra	6061020908, 6061022500
NA	110069	224	208	1	TBD	Medium pressure	224	208	208	0	North Valley	6089011803
NA	114071	219	224	1	TBD	Medium pressure	219	224	224	0	Sierra	6061021304, 6061021328
NA	110030	106	127	1	TBD	Medium pressure	106	127	127	0	North Valley	6007001200

NA	117040	42	80	1	TBD	Medium pressure	42	80	80	0	Yosemite	6047000303, 6047000505, 6047000901
NA	104037	22	14	1	TBD	Medium pressure	22	14	14	0	East Bay	6001406000
NA	104038	33	16	1	TBD	Medium pressure	33	16	16	0	East Bay	6001401700, 6001981900, 6001982000
NA	104047	22	22	1	TBD	Medium pressure	22	22	22	0	East Bay	6001425101
NA	110016	1394	1595	1	TBD	Medium pressure	1394	1595	1595	0	North Valley	6103000100, 6103000600
NA	110002	2552	3353	2	TBD	Medium pressure	5103	6705	6705	0	North Valley	6103000600, 6103000100, 6103000400, 6103000500, 6103000600, 6103000701, 6103000702, 6103000800
NA	110012	3134	3719	9	TBD	Medium pressure	28202	33469	33469	0	North Valley	6089010500, 6089010702, 6089011501, 6089010100, 6089010200, 6089010300, 6089010400, 6089010500, 6089010601, 6089010602, 6089010603, 6089010702, 6089010703, 6089010704, 6089010803, 6089010804, 6089010805, 6089010806, 6089010807, 6089010900, 6089011002, 6089011100, 6089011209, 6089011300, 6089011401, 6089011402, 6089011403, 6089011501
NA	104019	5556	7712	7	TBD	Medium pressure	38892	53981	53981	0	East Bay	6001420200, 6001420301, 6001420302, 6013361000, 6013362000, 6013363000, 6013365002, 6013366001, 6013366002, 6013367100, 6013367200, 6013368001, 6013368002, 6013369001, 6013369002, 6013370000, 6013371000, 6013372000, 6013373000, 6013374000, 6013375000, 6013376000, 6013377000, 6013378000, 6013379000, 6013380001, 6013380002, 6013381000

NA	104030	47	73	1	TBD	Medium pressure	47	73	73	0	East Bay	6001420302, 6001420402
NA	104020	245	350	3	TBD	Low pressure	736	1050	1050	0	East Bay	6013375000, 6013376000, 6013377000
NA	104026	388	554	1	TBD	Medium pressure	388	554	554	0	East Bay	6013377000, 6013378000
NA	104029	6	13	1	TBD	Medium pressure	6	13	13	0	East Bay	6013380002
NA	110027	119	116	1	1	Medium pressure	119	116	116	0	North Valley	6007003600
NA	106010	6474	7356	2	TBD	Medium pressure	12947	14712	14712	0	Kern	6029005300, 6029005402, 6029005405, 6029005406, 6029005407, 6029005408, 6029005409, 6029005410, 6029005509, 6029005510, 6071008901
NA	109021	1542	1720	1	TBD	Medium pressure	1542	1720	1720	0	Humboldt	6023011100
NA	112031	1352	1779	1	1	Medium pressure	1352	1779	1779	0	North Bay	6095253501, 6095253502
NA	116008	1760	2005	3	TBD	Medium pressure	5279	6016	6016	0	Stockton	6077005001, 6077005003, 6077005004
NA	106002	1894	1830	1	TBD	Medium pressure	1894	1830	1830	0	Kern	6029003203, 6029003212, 6029003213, 6029003820, 6029003823
NA	105018	37	42	1	TBD	Medium pressure	37	42	42	0	Fresno	6019003900, 6019004003
NA	118005	552	562	1	TBD	Medium pressure	552	562	562	0	Central Coast	6053011303
NA	107004	4270	5150	3	TBD	Medium pressure	12810	15449	15449	0	Mission	6001441503, 6001441525, 6001441921, 6001442000, 6001442100, 6001442200, 6001442301, 6001442302, 6001442400, 6001442900, 6001443001, 6001443002, 6001443103, 6001443104, 6001443105
NA	107006	194	343	1	TBD	Medium pressure	194	343	343	0	Mission	6001441503
NA	107007	2422	2518	2	TBD	Medium pressure	4844	5036	5036	0	Mission, San Jose	6001441525, 6001442200, 6001443102, 6001443103, 6001443104, 6001443105, 6001443200, 6001443322, 6085504424

NA	107008	3409	4844	2	TBD	Medium pressure	6818	9688	9688	0	Mission, San Jose	6001441503, 6001441525, 6001443200, 6001443301, 6001443321, 6001443322, 6085504413, 6085504414, 6085504421, 6085504422, 6085504424, 6085504506, 6085504507
NA	117038	1339	1420	2	1	Medium pressure	2678	2840	2840	0	Yosemite	6099000501, 6099000503, 6099000513, 6099000514, 6099004000
NA	118025	3546	5238	9	TBD	Medium pressure	31918	47138	47138	0	Central Coast	6053010505, 6053000101, 6053000103, 6053000104, 6053000105, 6053000106, 6053000200, 6053000300, 6053000400, 6053000501, 6053000502, 6053000600, 6053000701, 6053000702, 6053000800, 6053000900, 6053001200, 6053001300, 6053001400, 6053001500, 6053001600, 6053001700, 6053001801, 6053001802, 6053010305, 6053010306, 6053010501, 6053010504
NA	109028	87	84	1	TBD	Medium pressure	87	84	84	0	Humboldt	6023000100, 6023001300
NA	116009	719	924	1	TBD	Medium pressure	719	924	924	0	Stockton	6009000301, 6009000302
NA	118146	5	6	1	TBD	Medium pressure	5	6	6	0	Central Coast	6087122300
NA	118022	353	375	1	1	Medium pressure	353	375	375	0	Central Coast	6053010702, 6053014110
NA	105012	765	958	1	TBD	Medium pressure	765	958	958	0	Fresno	6019008200
NA	118010	758	957	1	TBD	Medium pressure	758	957	957	0	Central Coast	6069000200
NA	118031	4440	4724	1	TBD	Medium pressure	4440	4724	4724	0	Central Coast	6087120301, 6087120302, 6087120400, 6087120600, 6087120700, 6087120800
NA	118066	318	337	1	TBD	Medium pressure	318	337	337	0	Central Coast	6053010202, 6053010305, 6053014700

NA	107009	5413	7215	9	TBD	Medium pressure	48721	64938	64938	0	Diablo, Mission	6001450101, 6001450102, 6001450200, 6001450300, 6001450400, 6001450501, 6001450502, 6001450601, 6001450750, 6001450751, 6001450752, 6013345101, 6013345102, 6013345103, 6013345105, 6013345111, 6013345112, 6013345113, 6013345114, 6013345115, 6013345116, 6013345117, 6013345118, 6013345203, 6013345205, 6013345206, 6013346204, 6013355112
NA	111026	804	1470	1	TBD	Medium pressure	804	1470	1470	0	Peninsula	6081612900, 6081613000
NA	118029	3327	4191	9	3	Medium pressure	29941	37718	37718	0	Central Coast	6087100801, 6087100100, 6087100200, 6087100300, 6087100400, 6087100500, 6087100600, 6087100700, 6087100801, 6087100802, 6087100900, 6087101001, 6087101100, 6087101200, 6087120200, 6087120700, 6087120800, 6087121100, 6087121200, 6087121300, 6087121401, 6087121402, 6087121403, 6087121501, 6087121502, 6087121601, 6087121602, 6087121701
NA	118032	2410	3275	2	TBD	Medium pressure	4820	6549	6549	0	Central Coast	6087100500, 6087100600, 6087100700, 6087101001, 6087101002, 6087101100, 6087101200
NA	118033	1072	1738	2	TBD	Medium pressure	2144	3475	3475	0	Central Coast	6087100200, 6087100300, 6087100801, 6087100802, 6087100900, 6087120700, 6087120800, 6087121200

NA	117033	196	194	2	TBD	Medium pressure	392	388	388	0	Yosemite	6047002002, 6047002100
NA	109008	2930	3706	17	1	Medium pressure	49804	63009	63009	0	Sonoma	6097153002, 6097150501, 6097151403, 6097151404, 6097151503, 6097151504, 6097151505, 6097151506, 6097151601, 6097151602, 6097151701, 6097151702, 6097151800, 6097151900, 6097152000, 6097152100, 6097152201, 6097152203, 6097152204, 6097152205, 6097152300, 6097152401, 6097152402, 6097152501, 6097152502, 6097152601, 6097152602, 6097152701
NA	109013	2730	3484	22	1	Medium pressure	60056	76654	76654	0	Sonoma	6097150702, 6097150601, 6097150602, 6097150603, 6097150607, 6097150609, 6097150610, 6097150611, 6097150612, 6097150701, 6097150702, 6097150800, 6097150901, 6097150902, 6097151000, 6097151100, 6097151203, 6097151204, 6097151205, 6097151206, 6097151301, 6097151305, 6097151306, 6097151307, 6097151308, 6097151309, 6097151310, 6097151311
NA	118034	4147	4919	1	TBD	Medium pressure	4147	4919	4919	0	Central Coast	6087120700, 6087120800, 6087120901, 6087120902, 6087121200
NA	105013	4672	5573	1	TBD	Medium pressure	4672	5573	5573	0	Fresno	6019007002, 6019007003, 6019007004, 6019007101, 6019007102
NA	105014	188	246	4	TBD	Low pressure	750	985	985	0	Fresno	6019007002, 6019007101, 6019007102

NA	113003	11930	26075	10	2	Medium pressure	119299	260754	260754	0	Peninsula, San Francisco	6075980900, 6075012901, 6075060400, 6075010101, 6075010102, 6075010201, 6075010202, 6075010300, 6075010401, 6075010402, 6075010500, 6075010600, 6075010701, 6075010702, 6075010800, 6075010901, 6075010902, 6075011001, 6075011002, 6075011101, 6075011102, 6075011200, 6075011300, 6075011700, 6075011800, 6075011901, 6075011902, 6075012001
NA	113019	8	1	1	TBD	Medium pressure	8	1	1	0	San Francisco	6075017903
NA	113004	306	351	9	2	Low pressure	2753	3163	3163	0	San Francisco	6075025501, 6075025502, 6075025600, 6075025900, 6075026001, 6075026002, 6075026003, 6075026004, 6075026100, 6075026201, 6075026202, 6075026301, 6075026302, 6075026303, 6075031201, 6075031202, 6075031401, 6075031402
NA	113005	206	235	8	2	Low pressure	1648	1883	1883	0	San Francisco	6075023001, 6075023003, 6075023102, 6075023200, 6075023300, 6075023400, 6075025702, 6075025800, 6075025900, 6075026402, 6075026403, 6075061200, 6075980900

NA	113006	22	39	2	1	Low pressure	44	77	77	0	San Francisco	6075011700, 6075012405, 6075012503, 6075012504, 6075016801, 6075016802, 6075016900, 6075017602, 6075017603, 6075017604, 6075017700, 6075020101, 6075020202
NA	113007	396	426	4	TBD	Low pressure	1583	1705	1705	0	San Francisco	6075025501, 6075025502, 6075030600, 6075030700, 6075030800, 6075030900, 6075031100
NA	113010	387	399	2	1	Low pressure	773	797	797	0	San Francisco	6075030301, 6075030302, 6075030400, 6075030800
NA	113011	321	753	2	TBD	Low pressure	642	1506	1506	0	San Francisco	6075015401, 6075015402, 6075015600, 6075015701, 6075015702, 6075016500, 6075045100, 6075980300
NA	113018	229	446	5	2	Low pressure	1147	2232	2232	0	San Francisco	6075017101, 6075020401, 6075020402, 6075021200, 6075021300, 6075021400, 6075021500, 6075021600, 6075021800, 6075030102
NA	113012	35	47	1	TBD	Medium pressure	35	47	47	0	San Francisco	6075012602
NA	113015	1878	2176	7	3	Medium pressure	13144	15235	15235	0	San Francisco	6075030400, 6075030800, 6075030301, 6075030302, 6075030400, 6075030800, 6075030900, 6075032602, 6075032700, 6075032801, 6075032802, 6075032901, 6075032902, 6075033001, 6075033002, 6075033100, 6075033201, 6075035102, 6075035201, 6075035300, 6075035400, 6075060400
NA	113016	536	585	1	TBD	Medium pressure	536	585	585	0	San Francisco	6075025403, 6075025600, 6075025701

NA	113002	666	1205	3	2	Medium pressure	1999	3614	3614	0	San Francisco	6075030900, 6075031201, 6075031301, 6075031302, 6075033201, 6075033203, 6075033204, 6075060400
NA	113008	125	142	1	TBD	Medium pressure	125	142	142	0	San Francisco	6075020401, 6075030102, 6075030500
NA	115002	76	106	1	TBD	Low pressure	76	106	106	0	San Jose	6085501200
NA	115003	106	138	1	TBD	Low pressure	106	138	138	0	San Jose	6085501402, 6085501501
NA	115022	4158	5078	11	TBD	Medium pressure	45739	55859	55859	0	San Jose	6085502909, 6085502910, 6085503208, 6085503210, 6085503213, 6085503217, 6085503218, 6085503220, 6085511905, 6085511907, 6085511910, 6085511911, 6085511912, 6085511913, 6085511914, 6085511915, 6085511916, 6085511917, 6085511918, 6085512001, 6085512019, 6085512021, 6085512022, 6085512023, 6085512024, 6085512026, 6085512027, 6085512029
NA	115006	245	278	2	TBD	Low pressure	489	555	555	0	San Jose	6085501800, 6085502400
NA	115016	565	859	2	TBD	Medium pressure	1129	1718	1718	0	San Jose	6085500100, 6085500200, 6085504318, 6085505006, 6085505100
NA	102009	4	3	1	TBD	Medium pressure	4	3	3	0	Mission, San Jose	6001441503, 6085504602
NA	115010	54	62	2	TBD	Low pressure	107	124	124	0	San Jose	6085500300, 6085505100
NA	102010	61	79	1	TBD	Medium pressure	61	79	79	0	San Jose	6085504602
NA	115015	302	477	4	TBD	Low pressure	1207	1909	1909	0	San Jose	6085500400, 6085500500, 6085500600, 6085505202, 6085505203, 6085505500, 6085505600, 6085505700, 6085505800
NA	115019	282	566	2	TBD	Low pressure	564	1132	1132	0	San Jose	6085501200, 6085501300, 6085501601, 6085501602
NA	115014	2777	3018	1	TBD	Medium pressure	2777	3018	3018	0	San Jose	6085503332, 6085503333, 6085503338, 6085503339, 6085512001

NA	115018	180	259	2	TBD	Low pressure	360	517	517	0	San Jose	6085503113, 6085503121
NA	118007	1970	2430	2	TBD	Medium pressure	3939	4860	4860	0	Central Coast	6053011103, 6053011104, 6053011105, 6053011106
NA	118151	1	2	1	TBD	Medium pressure	1	2	2	0	Central Coast	6053010900, 6053014800
NA	109023	1231	1510	9	TBD	Medium pressure	11077	13593	13593	0	Sonoma	6097150100, 6097150203, 6097150204, 6097150205, 6097150206, 6097150303, 6097150304, 6097150305, 6097150306
NA	112098	5448	7004	23	1	Medium pressure	125305	161085	161085	0	Sacramento	6067000100, 6067000200, 6067000300, 6067000400, 6067000501, 6067000502, 6067000600, 6067000700, 6067000800, 6067001102, 6067001103, 6067001201, 6067001202, 6067001300, 6067001400, 6067001500, 6067001601, 6067001602, 6067001701, 6067001702, 6067001800, 6067001900, 6067002000, 6067002100, 6067002200, 6067002300, 6067002400, 6067002500
NA	112034	10152	11117	8	TBD	Medium pressure	81219	88937	88937	0	Sacramento	6067009610, 6067009614, 6067004906, 6067004909, 6067004910, 6067005002, 6067005102, 6067009201, 6067009307, 6067009308, 6067009309, 6067009310, 6067009311, 6067009312, 6067009314, 6067009316, 6067009317, 6067009318, 6067009319, 6067009320, 6067009321, 6067009323, 6067009326, 6067009328, 6067009329, 6067009330, 6067009331, 6067009332

NA	112033	376	581	7	TBD	Low pressure	2634	4067	4067	0	Sacramento	6067000200, 6067000300, 6067000400, 6067000502, 6067000700, 6067000800, 6067001102, 6067001103, 6067001201, 6067001202, 6067001500, 6067001602, 6067001900, 6067002000, 6067002100, 6067002300, 6067002400, 6067002500, 6067002600, 6067005301
NA	111011	1367	1994	4	TBD	Medium pressure	5467	7974	7974	0	Peninsula	6081600100, 6081601601, 6081601901, 6081601902, 6081602001, 6081602002, 6081602100, 6081602201, 6081602202, 6081602300
NA	111009	80	114	7	1	Medium pressure	560	801	801	0	Peninsula	6081602100, 6081602202, 6081602300, 6081604400, 6081605100, 6081605400, 6081984300
NA	116018	250	279	6	TBD	Low pressure	1499	1676	1676	0	Stockton	6077000600, 6077001900, 6077002000
NA	116021	389	473	6	TBD	Low pressure	2333	2839	2839	0	Stockton	6077000700, 6077002300, 6077002401
NA	116016	120	135	2	TBD	Low pressure	240	269	269	0	Stockton	6077000900
NA	116013	66	68	1	TBD	Low pressure	66	68	68	0	Stockton	6077000802
NA	116019	130	141	1	TBD	Low pressure	130	141	141	0	Stockton	6077001502, 6077001600
NA	116017	156	172	1	TBD	Low pressure	156	172	172	0	Stockton	6077001502, 6077001700
NA	116015	220	271	4	TBD	Low pressure	880	1084	1084	0	Stockton	6077000402, 6077001300, 6077001400
NA	116012	336	394	1	TBD	Low pressure	336	394	394	0	Stockton	6077001600, 6077001700
NA	108016	728	908	4	TBD	Medium pressure	2911	3630	3630	0	North Bay	6055201500, 6055201602, 6055201200, 6055201500, 6055201601, 6055201602, 6055201700
NA	111013	208	246	4	TBD	Medium pressure	832	985	985	0	De Anza	6085511502, 6085511608, 6085511609, 6085511705, 6085513000

NA	111014-1	131	373	4	TBD	Medium pressure	525	1492	1492	0	De Anza, Peninsula	6081610202, 6081605300, 6081606100, 6081606300, 6081606800, 6081609500, 6081610000, 6081610100, 6081610201, 6081610202, 6081610203, 6081610302, 6081610500, 6081610601, 6081610602, 6081611500, 6081612500, 6081612600, 6081612900, 6085511608, 6085511609
NA	111014-2	243	218	1	TBD	Medium pressure	243	218	218	0	De Anza	6085511608, 6085513000
NA	108075	72	12	1	TBD	Medium pressure	72	12	12	0	North Bay	6055200802, 6055201102
NA	116068	110	144	1	TBD	Medium pressure	110	144	144	0	Stockton	6077000700, 6077002401
NA	116011	3975	5053	24	TBD	Medium pressure	95406	121277	121277	0	Stockton	6077000101, 6077000102, 6077000300, 6077000401, 6077000402, 6077000500, 6077000600, 6077000700, 6077000802, 6077000803, 6077000900, 6077001000, 6077001101, 6077001102, 6077001200, 6077001300, 6077001400, 6077001501, 6077001502, 6077001600, 6077001700, 6077001800, 6077001900, 6077002000, 6077002100, 6077002201, 6077002202, 6077002300
NA	107018	6	7	1	TBD	Medium pressure	6	7	7	0	Mission	6001450701
NA	107011	13	14	1	TBD	Medium pressure	13	14	14	0	Mission	6001450701
NA	114022	1140	1222	1	TBD	Medium pressure	1140	1222	1222	0	Sierra	6101050800
NA	106007	851	932	1	TBD	Medium pressure	851	932	932	0	Kern	6029003400, 6029003500, 6029003600
NA	106011	1061	1176	4	TBD	Medium pressure	4243	4705	4705	0	Kern	6029003304, 6029003400, 6029003500, 6029003600
NA	109020	808	748	1	TBD	Medium pressure	808	748	748	0	Sonoma	6045010900
NA	114023	787	842	4	TBD	Medium pressure	3146	3369	3369	0	Sierra	6101050501, 6101050503, 6101050601, 6101050603, 6101051000
NA	118028	1820	1949	1	TBD	Medium pressure	1820	1949	1949	0	Central Coast	6053014110

NA	112045	143	148	1	TBD	Medium pressure	143	148	148	0	Sacramento	6101050900
NA	112030	1507	1710	1	TBD	Medium pressure	1507	1710	1710	0	Sacramento	6011000301, 6011000302
NA	116023	3171	3376	7	TBD	Medium pressure	22198	23631	23631	0	Stockton	6077005208, 6077005211, 6077005212, 6077005213, 6077005214, 6077005215, 6077005216, 6077005217, 6077005218, 6077005219, 6077005220, 6077005223, 6077005224, 6077005225, 6077005303, 6077005307, 6077005308, 6077005311, 6077005312, 6077005403, 6077005405, 6077005406, 6077005502
NA	116092	2571	1666	1	TBD	Medium pressure	2571	1666	1666	0	Stockton	6077005502
NA	116024	1493	2068	3	TBD	Medium pressure	4480	6204	6204	0	Stockton	6077005214, 6077005303, 6077005307, 6077005309, 6077005310, 6077005311, 6077005405, 6077005406
NA	112012	552	1016	1	1	Medium pressure	552	1016	1016	0	North Bay	6095252317, 6095252801, 6095252802
NA	117034	139	186	6	TBD	Low pressure	836	1117	1117	0	Yosemite	6099003802, 6099003803, 6099003804, 6099003904, 6099003905
NA	117036	2819	3588	8	TBD	Medium pressure	22552	28707	28707	0	Yosemite	6047000403, 6099003603, 6099003607, 6099003608, 6099003609, 6099003610, 6099003611, 6099003612, 6099003700, 6099003802, 6099003803, 6099003804, 6099003805, 6099003904, 6099003905, 6099003906, 6099003907, 6099003908, 6099003909
NA	116061	3	4	1	TBD	Medium pressure	3	4	4	0	Stockton	6077005503
NA	109062	2	3	1	TBD	Medium pressure	2	3	3	0	Sonoma	6045010900
NA	109074	79	91	1	TBD	Medium pressure	79	91	91	0	Sonoma	6045010900, 6045011300
NA	109077	155	161	1	TBD	Medium pressure	155	161	161	0	Sonoma	6045010900
NA	109079	451	446	1	TBD	Medium pressure	451	446	446	0	Sonoma	6045010801, 6045010900
NA	104039	9	6	1	TBD	Medium pressure	9	6	6	0	East Bay	6001982100

NA	109014	2281	3231	3	TBD	Medium pressure	6844	9692	9692	0	Sonoma	6045011300, 6045011400, 6045011501, 6045011502, 6045011600, 6045011700
NA	112016	4242	5371	7	TBD	Medium pressure	29693	37596	37596	0	North Bay	6095252915, 6095252903, 6095252904, 6095252908, 6095252909, 6095252910, 6095252911, 6095252912, 6095252913, 6095252914, 6095252915, 6095253000, 6095253101, 6095253105, 6095253106, 6095253107, 6095253108, 6095253201, 6095253203, 6095253205, 6095253206, 6095253207, 6095253208
NA	112020	604	942	2	TBD	Medium pressure	1207	1884	1884	0	North Bay	6095252904
NA	108019	2943	3664	7	TBD	Medium pressure	20598	25645	25645	0	North Bay	6095250701, 6055201003, 6055201004, 6055201005, 6055201006, 6055201007, 6095250601, 6095250604, 6095250605, 6095250701, 6095250801, 6095250900, 6095251000, 6095251100, 6095251400, 6095251500, 6095251600, 6095251802, 6095251803, 6095251804, 6095251901, 6095251902, 6095251903

NA	108020	2188	2735	9	TBD	Medium pressure	19692	24613	24613	0	North Bay	6095250103, 6095250104, 6095250105, 6095250106, 6095250200, 6095250300, 6095250400, 6095250501, 6095250502, 6095250701, 6095251000, 6095251100, 6095251200, 6095251300, 6095251400, 6095251500, 6095251600, 6095251701, 6095251702, 6095251802, 6095251901, 6095252103, 6095252104
NA	118038	1474	2048	3	TBD	Medium pressure	4421	6143	6143	0	Central Coast	6087110101, 6087110102, 6087110201, 6087110202, 6087110301, 6087110302, 6087110401, 6087110505, 6087123300
NA	118039	1589	2056	6	TBD	Medium pressure	9533	12338	12338	0	Central Coast	6087110101, 6087110102, 6087110201, 6087110202, 6087110301, 6087110401, 6087110402, 6087110503, 6087110504, 6087110505, 6087110506, 6087110601, 6087110602, 6087110700, 6087122002, 6087122204, 6087122300, 6087122401, 6087122402, 6087122500, 6087123100, 6087123300

NA	114021	7177	8395	16	TBD	Medium pressure	114837	134313	134313	0	Sacramento, Sierra	6061020717, 6061020601, 6061020604, 6061020605, 6061020606, 6061020607, 6061020608, 6061020710, 6061020711, 6061020712, 6061020713, 6061020714, 6061020715, 6061020717, 6061020805, 6061020806, 6061020901, 6061020908, 6061021003, 6061021034, 6061021037, 6061021038, 6061021039, 6061021040, 6061021043, 6061021044, 6061021045, 6061021046
NA	112025	2277	2782	7	TBD	Medium pressure	15942	19475	19475	0	Sacramento	6113010102, 6113010103, 6113010104, 6113010105, 6113010201, 6113010203, 6113010204, 6113010310, 6113010312, 6113010313, 6113010314, 6113010315, 6113010402
NA	110015	1707	1768	2	TBD	Medium pressure	3413	3536	3536	0	North Valley	6089010806, 6089011600, 6089011701, 6089011702, 6089011703
NA	114024	1462	1597	1	TBD	Medium pressure	1462	1597	1597	0	Sierra	6101051100, 6115040800
NA	114027	665	812	1	TBD	Medium pressure	665	812	812	0	Sierra	6115040701, 6115040702
NA	109010	2005	2654	1	TBD	Medium pressure	2005	2654	2654	0	Sonoma	6045010601, 6045010700
NA	110051	2607	3401	1	TBD	Medium pressure	2607	3401	3401	0	North Valley	6021010300, 6021010401, 6021010402
NA	112039	2693	2976	1	TBD	Medium pressure	2693	2976	2976	0	North Bay, Sacramento	6095252903, 6113011301, 6113011302, 6113011303, 6113011304
NA	103028	6	1	1	TBD	Medium pressure	6	1	1	0	Diablo	6013309000, 6013310000

NA	112019	3664	4680	5	TBD	Medium pressure	18322	23400	23400	0	Sacramento	6113010800, 6113010901, 6113010902, 6113011001, 6113011002, 6113011101, 6113011102, 6113011103, 6113011203, 6113011204, 6113011207, 6113011208, 6113011209, 6113011210, 6113011211
NA	112032	106	195	2	TBD	Low pressure	211	389	389	0	Sacramento	6113010800, 6113010902, 6113011001, 6113011101
NA	111015	1800	1842	2	TBD	Medium pressure	3600	3684	3684	0	De Anza, Peninsula	6081613200, 6081613200, 6081613300, 6081613400, 6085511707
NA	108017	376	526	2	TBD	Medium pressure	751	1052	1052	0	North Bay	6055201200, 6055201300
NA	114012	2393	3203	8	TBD	Medium pressure	19147	25621	25621	0	Sierra	6101050101, 6101050102, 6101050201, 6101050202, 6101050301, 6101050302, 6101050401, 6101050402, 6101050403, 6101050501, 6101050503, 6101050504, 6101050601, 6101050603, 6101050604, 6101051000
NA	Totals or Averages Across All Pressure Districts	1579	1931	3.3	73	NA	8372	11017	11017	0	NA	NA
NA	Calculation Type requested for "Totals or Averages Across All Pressure Districts"	[average]	[average]	[average]	[total]	NA	[average]	[average]	[average]	[average]	NA	NA
NA	PG&E Notes	Calculated as F7 divided by F4	Calculated as F8 divided by F4	For the values in "Regulator stations", per instructions provided in the "Directions" tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations inside each pressure district (PG&E's Hydraulically Independent Systems (HIS)). The pressure districts not listed in this column are not fed medium- or low-pressure stations.	For the values in "Regulator stations identified for replacement", the reported counts are for low-pressure and medium-pressure regulator stations listed for replacement unde MAT 50C in 2026 or later as of October 2025. This list will evolve with time and other stations will be added as they are identified and the project life-cycle starts.		For the values in "Services served", the data was derived from a snapshot as of October 2025 of the count of services per pressure district. It doesn't constitute an average over multiple years.	For the values in "Meters served", the data was derived from a snapshot as of October 2025 of the count of meters per pressure district. It doesn't constitute an average over multiple years.	For the values in "Core meters served", the data was derived from a snapshot as of October 2025 of the count of meters per pressure districts. It doesn't constitute an average over multiple years.	For the values in "Non-core meters served", the data was derived from a snapshot as of October 2025 of the count of meters per pressure districts. It doesn't constitute an average over multiple years.	For the values in "Operating Districts", the data was derived from a snapshot as of October 2025 of the count of meters per pressure districts. It doesn't constitute an average over multiple years.	

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 aldyl-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 Juaquin 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 A-3

Maintenance Data Costs Template

Pacific Gas and Electric Company
Maintenance Data Costs Template (R.24-09-012)

Row ID	Row Name	Value	Definition	General Rate Case Citation (document and page number)	PG&E Notes
G1	*Maintenance cost per service*	$ 83	Average cost of gas distribution pipeline maintenance, per service. Calculated by adding G3 and G4, then dividing by G2.	NA	Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
G2	Services	3,708,829	Number of services operated by the utility.		2024 PHMSA Report: PG&E_CY2024_PHMSA Form F 7100.1-1 Page 1
G3	Total capital maintenance costs	$ 86,879,414	Annual capital cost of all gas distribution main and service leak detection and prevention, maintenance, and repairs, excluding pipeline replacement.	NA	This row includes only the Capital MATs from the rows below.
G4	Total O&M maintenance costs	$ 220,364,090	Annual operations and maintenance cost of all gas distribution main and service leak detection and prevention, maintenance, and repairs, excluding pipeline replacement.	NA	This row includes only the Expense MATs from the rows below.
G5	Impr Rel/Dep - Gas Service Repl Leaks - MAT 50G (Capital)	$ 19,593,707	Replace / deactivate entire or stub services due to leaks.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-34, Table 8-10, line 3	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G6	Emergent Leaking Main Replacement - 50K (Capital)	$	3,376,265	Replace / install > or = 100' gas distribution main due to leaks.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-34, Table 8-10, line 4	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G7	Impr Rel/Dep - Gas Service Repl Leaks - 50M (Capital)	$	1,083,962	Replace / deactivate entire or stub complex services due to leaks.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-34, Table 8-10, line 4	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G8	GD Below Ground Service Repair - MAT 3PB (Capital)	$	3,826,460	Replace / deactivate entire or stub services due to leaks found during incremental Gas Leak Abatement surveys.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-34, Table 8-10, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G9	GD Below Ground Service Repair Cmplx - MAT 3PC (Capital)	$	344,609	Replace / deactivate entire or stub complex services due to leaks found during incremental Gas Leak Abatement surveys.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-34, Table 8-10, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G10	Emerg Resp-G-Dig-Ins-Svcs - 52B (Capital)	$	2,293,988	Replace / deactivate entire or stub services due to "dig-in", outside forces orthird party damage. Also, includes service cut-offs due to emergencies (i.e. due to fire).	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-26, line 22 to p. 8-27, line 15 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-28, Table 8-8, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G11	Emerg Resp-G-Dig-Ins-Main - 52C (Capital)	$ 412,596	Replace > or = 100' gas distribution main due to dig-in or damage by outside forces or third party. Deactivate > or = 1' gas distribution main due to dig-in or damage by outside forces.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-26, line 22 to p. 8-27, line 15 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-28, Table 8-8, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G12	Impr Rel/Dep Gas Valves - 50E (Capital)	$ 9,448,242	Replace / install gas distribution valves > or = 2" (e.g. emergency shutdown, riser valves 2" or greater, and therm billing area valves).	Program Description: Exhibit (PG&E-3), Ch4., p. 4-45, lines 2-18 Recorded costs: Exhibit (PG&E-3), Ch4., P. 4-49, Table 4-8, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G13	Impr Rel/Dep Gas CP Systems - MAT 50D (Capital)	$ 1,495,111	ETS (Electrical Test Station) ≥ 5 stations at a single location • Rectifier replacement, including insert, or new installation • Pipe Coating ≥ 40 feet • Remote Monitoring Units (RMUs)	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-94, lines 1-12 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-95, Table 8-23, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G14	Improve Reliability /System Dependability-G-Deep Well Anode - MAT 50P (Capital)	$ 15,980,161	The CP Systems – New/Replace Program is a capital program to install or replace CP systems	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-94, lines 13-28 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-95, Table 8-23, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G15	Impr Rel/Dep-CutOff Idle G Svc - MAT 50H (Capital)	$ 4,798,957	Remove / deactivate entire or stub services due to idle facilities.	Program Description: Exhibit (PG&E-3), Ch4., p. 4-47, lines 3-25 Recorded costs: Exhibit (PG&E-3), Ch4., P. 4-49, Table 4-8, line 4	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G16	Gas Overbuild - G - MAT 50J (Capital)	$ 16,231,891	Relocation / rearrangement of gas main (> 100 continuous feet) and/or complete gas service replacement to clear overbuild conflicts.	Program Description: Exhibit (PG&E-3), Ch4., p. 4-52 line 25 to p. 4-53, line 18. Recorded costs: Exhibit (PG&E-3), Ch4., P. 4-54, Table 4-9, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G17	Gas Reg Replacement - MAT 74A (Capital)	$ 7,993,466	Labor to replace failed or deteriorating residential and non- residential regulators while performing routine maintenance or other field activity. Includes targeted regulator replacement programs. Regulator replacement only	Program Description: Exhibit (PG&E-3), Ch 8., p. 8-71 lines 9 to 21. Recorded costs: Exhibit (PG&E-3), Ch 8., P. 8-72, Table 8-19, line 1.	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G18	Leak Survey - MAT DEA (Expense)	$ 12,932,855	Perform compliance foot and mobile surveys of distribution mains and services only.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-8, line 26 to p. 8-12, line 15 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-13, Table 8-3, line 2.	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G19	Advanced Mobile Technology - MAT DEF (Expense)	$ 6,160,787	Use of Picarro Surveyor to perform compliance leak survey (drive) of distribution mains and services only.	N/A	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G20	Rechecks - MAT DED (Expense)	$ 1,032,429	Charge for routine above and below ground Grade 3 & 2 leak rechecks and /or follow-up Grade 0 rechecks.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-8, line 26 to p. 8-12, line 15 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-13, Table 8-3, line 5.	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G21	Gas Leaks & Emergencies - MAT DDG (Expense)	$ 29,881,180	Respond to customer reported gas emergencies including hi/low pressure, leaks, fires, explosions, carbon monoxide investigations, etc. on the customer's side of the gas meter.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-64, lines 3 to 31. Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-65, Table 8-16, line 1.	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G22	Leak Survey Meter Repair - MAT FIS (Expense)	$ 6,738,905	Scheduled repair of Non-Hazardous gas leaks (aka fuzz leaks/zip ties) at the meter set.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-70, lines 9 to 27. Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-72, Table 8-18, line 1.	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G23	G Meter Atmospheric Corrosion - MAT HYI (Expense)	$ 1,284,144	Perform remediation of atmospheric corrosion on customer gas meters and regulators as identified through the Atmospheric Corrosion Inspection Program (includes FAS completion codes 5243, 5247,5248 and 5249). Work is proactively managed, planned, and scheduled in advance.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-70, line 28 to p. 8-71, line 8. Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-72, Table 8-18, line 1.	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G24	Locate & Mark - MAT DFA (Expense)	$ 53,591,604	Locate and mark underground G&E Distribution facilities per USA requests. Prep. maps, process tickets and perform admin. work and G&E damage prev. activities.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-49, line 1 to p. 8-50, line 23. Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-53, Table 8-13, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G25	Mark & Locate Standby - MAT DFB (Expense)	$ 406,222	Standby is performed for work within 5 feet of a gas or electric transmission facility or for excavation activity within close proximity of a critical distribution facility. Standby's for gas distribution facilities should only be performed at locations the Senior Gas Engineer determine as critical.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-50, line 24 to p. 8-51, line 16. Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-53, Table 8-13, line 3.	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G26	Maint-Prev-G Mains - MAT FHA (Expense)	$ 1,148,215	Non-leak repairs to distribution gas mains, including rewrap or lower mains, replace/relocate < 100', install ETS for the purpose of locating the main.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-40, line 6 to p. 8-42, line 5 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-43, Table 8-11, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G27	Maint-Prev-G Svcs - MAT FHE (Expense)	$ 4,242,497	Repair non-leaking gas distribution services: riser replacements, rewraps, clear and/or repair plugged services, cut-off less than a full services	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-40, line 6 to p. 8-42, line 5 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-43, Table 8-11, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G28	Maint-Corr-G Svc Vlv - MAT FHI (Expense)	$ 2,608,750	Repair or replace inoperative service valves <2". Repairing inoperative service valves includes: exposing buried/inaccessible service valves and raising the riser and relocation of an existing service valve <2”	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-40, line 6 to p. 8-42, line 5 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-43, Table 8-11, line 3	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G29	Maint-Corr-G Main Lk - MAT FIG (Expense)	$ 28,860,128	Expense repair of non-dig-in leaks less than 100 feet on any distribution main and appurtenances (flanges, valves, etc.)	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-33, Table 8-9, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G30	CM - Gas Service Leak Above Ground - MAT FIH (Expense)	$ 2,908,370	Leak pin-pointing and repair of non-dig-in leaks below the service valve on the above ground portion of the service.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-33, Table 8-9, line 3	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G31	Maint-Corr_G_Svc Leak_BG - MAT FIP (Expense)	$ 22,845,723	Leak pinpointing and repair of non-dig in leak on below ground section of any service (includes curb valves) from tee to where riser breaks ground.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-33, Table 8-9, line 4	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G32	GD Main Leak Repair - MAT LWG (Expense)	$ 6,192,567	Expense repair of non-dig-in leaks found during incremental Gas Leak Abatement surveys that are less than 100 feet on any distribution main and appurtenances (flanges, valves, etc.).	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-33, Table 8-9, line 5	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G33	GD Below Ground Svc Leak Repair - MAT LWH (Expense)	$ 4,753,960	Leak pinpointing and repair of non-dig in leak found during incremental Gas Leak Abatement surveys, on below ground section of any service (includes curb valves) from tee to where riser breaks ground.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-30, line 24 to p. 8-31, line 30 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-33, Table 8-9, line 6	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G34	Maint-Corr-G Main Dig-ins - MAT FIJ (Expense)	$ 1,739,051	Expense repair of dig-in leaks and other third party damage to any distribution main and appurtenances (flanges, valves, etc.).	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-26, line 22 to p. 8-27, line 15 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-28, Table 8-7, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G35	Maint-Corr-G Service Dig-ins - MAT FIK (Expense)	$ 1,729,873	Expense repair of dig-in leaks and other third party damage to any service (including curb valves).	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-26, line 22 to p. 8-27, line 15 Recorded costs: Exhibit (PG&E-3), Ch. 8., P. 8-28, Table 8-7, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G36	Gas Overbuild - MAT FIO (Expense)	$ 2,165,072	Relocation of partial gas service and/or main (<100') due to encroachment condition. Only PG&E initiated work performed in accordance with WP 9510P-01 should be done as MAT FIO.	Program Description: Exhibit (PG&E-3), Ch4., p. 4-19, line 13 to p. 4-20, line 7 Recorded costs: Exhibit (PG&E-3), Ch4., P. 4-20, Table 4-4, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G37	Maint-Corr-G Main Vlv - MAT FIF (Expense)	$ 698,907	Replace valves < 2"; Repair all distribution main valves, i.e. excavate area; repair / modify inoperative parts, (i.e. seals, seats, bolts, bonnet, plug, gate, ball). Repair / seal vaults and lids. Raise vaults and lids unless due to WRO (especially street repaving).	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-117, line 24 to p. 8-118, line 27 Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-119, Table 8-30, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G38	Maint-Prev-G Vlv - MAT FHG (Expense)	$ 1,580,203	Perform scheduled inspection of distribution main valves. Verify operation, identification, and location. Clean / pump out vaults / enclosures. Lubricate / flush valves. Clean / paint valve / frame and cover.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-117, line 24 to p. 8-118, line 27 Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-119, Table 8-30, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G39	Op Distr-G Mns/Svcs - MAT FGB (Expense)	$ 752,533	Changing winter and station pressure recorder charts (including downloading ERX pressure recorders), performing instrument calibrations (test equipment, gauges, portable pressure recorders, etc.,) operating valves (including changes in emergency zones), removing distribution system pipeline liquids and monitoring system pressure.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-125, lines 17-31 Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-126, Table 8-33, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G40	Maint-Corr-G Cath Prot - MAT FII (Expense)	$ 7,605,208	Repair existing anodes or rectifiers; dig up gas facilities to install insulating material; install new anodes on isolated steel as necessary, Install an ETS Station; restore a down CPA w/o replacing capital plant.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-92, lines 3-30 Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-95, Table 8-22, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G41	GD Corrosion AC Inspections - MAT FHK (Expense)	$ 148,141	Inspect atmospherically exposed gas mains and services, for atmospheric corrosion.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-98, lines 17-33 Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-101, Table 8-24, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G42	Atmospheric Corrosion Service Repairs - MAT FHM (Expense)	$ 4,112,479	Perform expense repair of atmospheric corrosion on services to below stopcock.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-99, lines 1-19 Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-101, Table 8-24, line 3	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

G43	Atmospheric Corrosion Main Repairs - MAT FHL (Expense)	$ 1,847,751	Perform expense repair of atmospheric corrosion on mains.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-98, lines 3-16 Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-101, Table 8-24, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G44	Cath Protect - Monitoring - MAT DGA (Expense)	$ 4,778,681	Take all types of pipe-to-soil reads, including isolated steel, rectifier reads, and remote monitoring.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-75, line 24 to p. 8-76, line 19. Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-82, Table 8-20, line 1	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G45	Cath Protect-Troubleshoot - MAT DGB (Expense)	$ 6,745,343	Troubleshoot / identify problems with down CPA's and take any remedial actions	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-76, line 20 to p. 8-77, line 31. Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-82, Table 8-20, line 2	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.
G46	Cath Protect - Rectifier Maint - MAT DGC (Expense)	$ 872,513	Perform rectifier maintenance and associated costs.	Program Description: Exhibit (PG&E-3), Ch. 8., p. 8-78, lines 1-19. Recorded costs: Exhibit (PG&E-3), Ch. 8., p. 8-82, Table 8-20, line 3	Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024 dollars for the average calculation. As such these numbers will not match values in the 2027 GRC application.

Row ID	Row Name	Medium pressure regulator stations	Low pressure regulator stations [a]	Definition	General Rate Case Citation (document and page number)	PG&E Notes
H1	*Maintenance cost per regulator station*	$ 13,985	$ 21,717	Average cost of maintaining gas distribution medium-pressure regulator stations, per service. Calculated by adding H3 and H4, then dividing by H2.	NA	Any ratesetting activity should rely on the forecast presented in the General Rate Case (GRC). The value presented in this spreadsheet is different from the forecast methodology used in the GRC or other proceedings.
H2	Regulator stations	1261	184	Number of gas distribution regulator stations operated by the utility. Include only the medium-pressure (and low-pressure) stations included in the F4 total.	NA	For the values in "Regulator stations", the data was derived from a snapshot as of October 2025. It doesn't constitute an average over multiple years.
H3	Total capital maintenance costs	$ 10,182,749	$ 2,793,421	Annual capital cost of all medium-pressure gas distribution regulator station leak detection and prevention, maintenance, and repairs, *excluding* station replacement.	NA	This row includes only the Capital MATs from the rows below.
H4	Total O&M maintenance costs	$7,452,482	$1,202,523	Annual operations and maintenance cost of all medium-pressure gas distribution regulator station leak detection and prevention, maintenance, and repairs, *excluding* station replacement.	NA	This row includes only the Expense MAT from the rows below.
H5	Regulator stations component replacement (MAT 50L) Capital	$10,182,749	$2,793,421	Replacement of regulator station component due to deterioration or reduced reliability. Includes valves (both upstream and downstream fire valves and block valves), filters, regulators, and other capital equipment within the station.	Program description : A.25--05-009, Exhibit (PG&E-3), Ch 6., p.6-93 to 6-96. Recorded costs : A.25-05-009, Exhibit (PG&E-3), Ch.6, WP 6-23, table 6-22, line 4.	For the values in "Regulator stations component replacement (MAT 50L) Capital", per instructions provided in the "Directions' tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations. Program-level costs and costs for other types of regulator stations, such as HPRs are not included. Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024$ for the average calculation. As such these numbers will not match values for recorded and forecast costs in the 2027 GRC application.
H6	GD Regulator stations Preventative maintenance (MAT FHB) Expense	$3,444,349	$479,156	Perform scheduled “A, B, & C” maintenance on distribution regulator stations. Includes required maintenance work for all associated equipment inside the district regulator station including inlet and outlet fire valves, and any general housekeeping tasks. Includes vault dewatering for preventative maintenance.	Program description : Exhibit (PG&E-3), Ch 8., p.8-111 to 8-112. Recorded costs : Exhibit (PG&E-3), Ch.8., p.8-113, table 8-28, line 1.	For the values in MAT FHB Expense, per instructions provided in the 'Directions' tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations. Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024$ for the average calculation. As such these numbers will not match values in the 2027 GRC application.
H7	GD Regulator stations Corrective Maintenance (MAT FIB) Expense	$1,988,486	$251,132	Maintain and repair failed or inoperative distribution district regulation equipment. Work includes repair of regulation, filters, station valves, and any vault dewatering for corrective maintenance. Includes inlet and outlet fire valves with a pressure < 60 psig.	Program description : Exhibit (PG&E-3), Ch 8., p.8-111 to 8-112. Recorded costs : Exhibit (PG&E-3), Ch.8., p.8-113, table 8-28, line 2.	For the values in MAT FIB Expense, per instructions provided in the 'Directions' tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations. Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024$ for the average calculation. As such these numbers will not match values in the 2027 GRC application.
H8	GD Regulator stations SCADA maintenance (MAT FHO) Expense	$659,316	$132,599	SCADA preventative maintenance activities for Remote Terminal Units (RTUs), SCADA Transmitters, and Electronic Pressure Recording Devices (ERXs).	Program description : Exhibit (PG&E-3), Ch 8., p.8-121. Recorded costs : Exhibit (PG&E-3), Ch.8., p.8-122, table 8-31, line 1.	For the values in MAT FHO Expense, per instructions provided in the 'Directions' tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations. Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024$ for the average calculation. As such these numbers will not match values in the 2027 GRC application.
H9	GD SCADA Corrective Maintenance (MAT FHP) Expense	$270,316	$53,009	SCADA corrective maintenance activities for Remote Terminal Units (RTUs), SCADA Transmitters, and Electronic Pressure Recording Devices (ERXs). SCADA corrective maintenance activities include, but are not limited to: 1) Response and investigation of SCADA alarms at the request of the control center 2) Maintain or repair of failed or inoperative electronic permanent pressure recorder at a regulator station.	Program description : Exhibit (PG&E-3), Ch 8., p.8-121. Recorded costs : Exhibit (PG&E-3), Ch.8., p.8-122, table 8-31, line 2.	For the values in MAT FHP Expense, per instructions provided in the 'Directions' tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations. Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024$ for the average calculation. As such these numbers will not match values in the 2027 GRC application.
H11	GD System Operations (MAT FGC) Expense	$64,122	$104,848	Control the supply and flow of gas through the distribution system via direction from the GDCC, adjust and change DREGS pressure set points, maintain station pressure in conjunction with winter or planned operational clearances.	Program description : Exhibit (PG&E-3), Ch 8., p.8-125. Recorded costs : Exhibit (PG&E-3), Ch.8., p.8-126, table 8-33, line 2.	For the values in MAT FGC Expense, per instructions provided in the 'Directions' tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations. Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024$ for the average calculation. As such these numbers will not match values in the 2027 GRC application.
H10	GD Regulator stations Atmospheric Corrosion (MAT FHN) Expense	$1,025,894	$181,779	Perform expense repair of atmospheric corrosion on distribution district regulator stations.	Program description : Exhibit (PG&E-3), Ch 8., p.8-99. Recorded costs : Exhibit (PG&E-3), Ch.8., p.8-101, table 8-24, line 4.	For the values in MAT FHN Expense, per instructions provided in the 'Directions' tab, PG&E is only reporting the low-pressure and medium-pressure regulator stations. Value calculated as the average per year over 2021 to 2024, each year's value taken as is, values not escalated into 2024$ for the average calculation. As such these numbers will not match values in the 2027 GRC application.

(a) Column added per instructions in the 'Directions' tab.

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 aldyl-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 Juaquin 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.