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(ATTACHMENT A)
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APPENDIX A

DIRECTIONS TO UTILITIES FOR COMPLIANCE BY JULY 1, 2025

Pacific Gas and Electric Company (PG&E), Southern California Gas Company (SoCalGas), San Diego Gas and Electric (SDG&E), and Southwest Gas Corporation (Southwest Gas) (together, gas utilities) shall provide maps and the associated information and documentation described below, together known as “initial SB 1221 maps,” according to the following directions regarding procedures, formatting, and content.

A. Procedures

Gas utilities shall provide initial SB 1221 maps complying with this ruling by July 1, 2025.

The gas utilities, jointly or individually, shall file an update in this proceeding by May 7, 2025 that includes (a) informing the Commission of their progress towards complying with this ruling; (b) an attached draft of their user guide, with incomplete data if needed; and (c) an attached draft or formatting mockup of their initial SB 1221 map dedicated webpage, which will in turn host the ArcGIS link and user guide, including a draft of any explanatory webpage text.

For all formatting details not specified by this ruling, the gas utilities shall work together to format the required information consistently. For example, map colors for each item, scales, basemap, and labeling arrangements shall be the same across utilities. The utilities may each host their own map, or request to use a third-party contractor, or select one among the utilities (known as the “map host”) to host or coordinate the maps. If the utilities each host their own maps, any overlapping areas shall appear with the same information on all maps (*i.e.*, shall include the necessary information from all utilities). Gas utilities shall note

that each utility is responsible for the accuracy and completeness of maps of its areas.

Each gas utility or the map host shall designate a data facilitator who can assist parties, other jurisdictions, and members of the public in accessing and understanding the initial SB 1221 maps.

B. Formatting

Initial SB 1221 maps shall be “submitted” by each of the utilities, or the map host, as follows:

- a. Hosting a dedicated initial SB 1221 map webpage with links from it to an ArcGIS map that has the information, formatting, and functionality specified below;
- b. Providing, on the same initial SB 1221 map dedicated webpage, links to download the user guide specified below; and
- c. Filing and serving to the proceeding list a compliance filing in this proceeding describing the compliance activities and including the URL of the initial public SB 1221 map dedicated webpage and ArcGIS webpage, an attachment of the user guide specified below, phone and email information to reach the data facilitator, and directions on how to receive a convenient copy (e.g., geospatial database file) of the complete datasets upon request.

1. ArcGIS Maps and Functionality

Maps shall be provided using ArcGIS Online. Users shall be able to view the map, zoom in and out, produce summary statistics, such as totals and ranges for data within geographic boundaries of their choice (e.g. city, tribe, or census tract, or user-designated boundary), conduct other analyses using ArcGIS Online

tools, and download data or subsets of data in ArcGIS, Excel, or csv formats.

Users shall not be required to register.

2. User Guide

Each gas utility, or the map host, shall provide a user guide that describes how to access the ArcGIS map and how to use it, including how to summarize information from the map across geographic boundaries of their choice. The user guide shall also include the following for each data field across the gas utility's service territory:

- its definition and units;
- the field's total, average, median, minimum, maximum, and standard deviation; or for categorical values, the count of mapped objects and total pipeline length (if applicable) in each category,¹ or total count if there are no subcategories²
- the count of unknown values,
- the units,
- the definition,
- and the causes or differentiating characteristics of objects with unknown values, if any have unknown values.

For each gas distribution replacement program, the user guide shall identify the program name, GRC budget code, and target materials and years for the program, and whether that program is a Distribution Integrity Management Program (DIMP) program.³ For example, for PG&E, programs include the "Plastic Pipeline Replacement Program," budget code "14D," eligible material "Aldyl-A," eligible years "all years," and DIMP "Yes." For example, for

¹ E.g., number and total miles of Aldyl-A pipeline segments.

² E.g., number of counties.

³ This defining information about gas distribution replacement programs is relevant since each potential or foreseeable pipeline distribution replacement project would occur within a gas distribution replacement program.

SoCalGas, programs include “Bare Steel Replacement Program,” budget code “00277,” eligible material “steel without cathodic protection,” eligible years “pre-1972,” and DIMP “Yes.” For programs that are not limited by pipeline age or material, report “Any” for eligible materials and for age.

3. *Additional Guidance*

Each gas utility, or the map host, shall provide contact information for and guidance on contacting their data facilitator.

4. *Map Landing Page*

Each gas utility’s or the map host’s map, as first viewed when visiting its ArcGIS website, shall default to show:

- Foreseeable gas distribution pipeline replacement projects (will show after sufficiently zoomed in);
- Disadvantaged community layers;
- Tribal boundaries
 - For federally recognized tribes and
 - For California-recognized tribes by July 1, 2026; and
- Overlaid on a street map.

5. *Definitions*

The Assigned Commissioner’s Scoping Memo (“Scoping Memo”) asked, “How shall the Commission interpret the undefined terms in Section 661, including ‘submit,’ ‘potential,’ and ‘foreseeable’?”⁴ Public Utilities Code Section 661(a) requires each gas corporation to “submit” a map to the Commission. Public Utilities Code Section 661(a)(1) requires the map to include the location of all “potential” gas distribution line replacement projects identified in a gas corporation’s distribution integrity management plan and any “foreseeable” gas

⁴ Rulemaking (R.) 24-09-012, *Assigned Commissioner’s Scoping Memo and Ruling*, January 31, 2025, <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M555/K960/555960635.PDF>.

distribution pipeline replacements. The Public Utilities Code does not define the terms “submit,” “potential,” and “foreseeable.”

For purposes of this ruling, “submit” as in “submit to the commission a map” requires the gas corporations to file and serve to the proceeding list a compliance filing describing the compliance activities and including the URL of the initial public SB 1221 map dedicated webpage and ArcGIS webpage, an attachment of the user guide specified below, phone and email information to reach the data facilitator, and directions on how to receive a convenient copy (e.g., geospatial database file with accompanying csv files) of the complete datasets upon request.

Section 661(a)(1) requires that maps include “The location of all potential gas distribution line replacement projects identified in its [a gas corporation’s] distribution integrity management plan...” The initial public SB 1221 maps shall include gas distribution main pipeline segments that have the potential to be replaced based on materials and ages as described in the gas utility’s distribution integrity management plan. Having or lacking cathodic protection is included in pipeline material.

Section 661(a)(1) requires that maps include “The location of... any foreseeable gas distribution pipeline replacements.” The initial public SB 1221 maps shall include all gas distribution pipeline replacement projects forecast to begin during the next ten years, consistent with each utility’s existing project selection methods, at an annual replacement rate consistent with the mileage rates for each gas distribution replacement rate code approved in each utility’s most recently adopted general rate case decision, totaling at least 2,000 main miles for PG&E and for SoCalGas, 700 main miles for SDG&E, and 300 miles for

Southwest Gas. The next ten years are January 1, 2026 through December 31, 2035.

C. Information to Be Provided:

Each initial public SB 1221 map shall include the information described below.

Each gas utility's map shall extend beyond its service area, insofar as it owns land or infrastructure outside of its service area. The utility is responsible for mapping all required information within its service area. Outside its service area, the utility only must map infrastructure information. Unless otherwise specified, the data shall be as of any date between January 1, 2025, and June 30, 2025, provided the same date is used by all the gas utilities.

The following information and attributes shall be provided for each mapped point or boundary:

1. Jurisdictional Boundaries and Census Tracts within Utility Service Territories

Description (FieldName)	Definition
Gas utility service area (GasServiceArea)	Name of gas utility and boundary of area where the gas utility provides service, and name of gas utility and boundary of any areas in the map where other gas utilities provide service. Responding gas utilities shall also ensure that the name and service area boundaries of all investor-owned or publicly owned gas utilities in California are shown on at least one of their initial public SB 1221 maps. Core transport agents need not be included.
County (County)	Name and boundary of each county.
City (City)	Name and boundary of each city.
Federally recognized tribal land (FedTribe)	Tribe name and boundary of land managed by each federally recognized tribe. Note these are also defined as disadvantaged communities. Their boundaries, including reservation and off-reservation trust land,

	are provided by the California Office of Environmental Health and Hazard Assessment (OEHHA). ⁵
State tribal land (CATribe)	Tribal name and point location representing the area of interest for each state-recognized tribe as determined in consultation with the Native American Heritage Commission (NAHC) or tribal representatives identified by the NAHC, consistent with the Commission's tribal consultation policy ⁶ and Public Resources Code section 21073. If additional time is needed for consultation to identify these areas, this information may be provided after July 1, 2025 and on or before July 1, 2026.
Census tract ID # (TractID)	10-digit census tract number and boundary of each census tract as defined for 2020.
Census tract ID # (TractID2010)	10-digit census tract number and boundary of each census tract as defined for 2010. 2010 census tracts are used by CalEnviroScreen.

2. Potential and Foreseeable Gas Distribution Pipeline Replacement

Mapped Project Type	Definition
Foreseeable and potential gas distribution pipeline replacement project (ForeseeableGasProject)	Gas distribution main pipeline replacement projects 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 mileage rates for each gas distribution replacement rate code approved in each utility's most recently adopted general rate case decision, totaling at least 2,000 main miles for PG&E and for SoCalGas, 700 main

⁵ Data and dictionary provided at California Office of Environmental Health Hazard Assessment (OEHHA), *SB 535 Disadvantaged Communities*, <https://oehha.ca.gov/calenviroscreen/sb535>.

⁶ CPUC, *Tribal Consultation Policy*, April 2018, <https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/news-and-outreach/documents/bco/tribal/tribal-consultation-policy-approved.pdf>.

	miles for SDG&E, and 300 miles for Southwest Gas. The next ten years are January 1, 2026 through December 31, 2035. Location of distribution mains included in each project, shown as lines on map.
Utility-identified potential decommissioning site (UtilPotentialDecomProject)	Pipeline identified by the gas utility as a potential opportunity to avoid replacement by decommissioning the pipeline. If the utility identifies different potential sites for different programs, indicate which program. For example, include PG&E's Alternative Energy Program and each of its Zonal Electrification Equity Programs. Location of distribution mains included in each project, shown as lines on map.

Attributes of potential or foreseeable distribution main pipeline replacement projects:

Description (FieldName)	Definition
Utility (GasUtility)	Gas utility that owns the pipeline.
Length (Length)	Length of the mapped object, in feet.
Gas project year (GasProjectYear)	For each ForeseeableGasProject, as defined above, the year the project is forecasted to begin.
Gas replacement program the project would be funded by (GasProgram)	Program name and GRC budget code for the program that would funds the project.

3. *Disadvantaged Communities*

Attributes of 2010 census tracts:

Description (FieldName)	Definition
Disadvantaged Community (DAC)	Indicator of whether the tract is or is not designated as a disadvantaged community. ⁷

⁷ *Ibid.*

CalEnviroScreen 4.0 score (CalEnviroScreen)	CalEnviroScreen 4.0 score, for those tracts which are designated as disadvantaged communities. ⁸
DAC category (DACCategory)	For disadvantaged communities, parameter that the census tract met to determine DAC status: “CalEnviroScreen 4.0 Top 25%” census tracts receiving the highest 25 percent of overall scores in CalEnviroScreen 4.0; “2017 Disadvantaged Community (CalEnviroScreen 3.0 only)” census tracts identified in the 2017 DAC designation as disadvantaged, regardless of their scores in CalEnviroScreen 4.0; “CalEnviroScreen 4.0 High Pollution Burden Score, Low Population Count” census tracts lacking overall scores in CalEnviroScreen 4.0 due to data gaps but receiving the highest 5 percent of CalEnviroScreen 4.0 cumulative pollution burden scores” per SB535 Disadvantaged Communities List (2022) Data Dictionary. ⁹

4. Electricity Layers

Mapped layers representing currently available integration capacity (MW) for load, copied from maps provided by the electric investor-owned utilities.¹⁰

These are labelled on existing ICA maps as “Load Hosting Capacity (kW)” by PG&E, “Integration Capacity (MW)” for “Uniform Load” by SoCalEdison, and “Integration Capacity, Uniform Load (MW)” by SDG&E. These layers shall be updated on initial SB 1221 maps at least quarterly.

⁸ Data and data dictionary provided at OEHHA, *SB 535 Disadvantaged Communities*, <https://oehha.ca.gov/calenviroscreen/sb535>.

⁹ *Ibid.*

¹⁰ See links to electric IOU “Data Portals” provided at <https://webtraining.cpuc.ca.gov/industries-and-topics/electrical-energy/infrastructure/distribution-planning> and coordinate with electric IOUs as needed to ensure up-to-date versions of these layers are used.

(END ATTACHMENT A)