

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans
Rulemaking 18-10-007
Data Response

PG&E Data Request No.:	CalAdvocates_054-Q02		
PG&E File Name:	WildfireMitigationPlans_DR_CalAdvocates_054-Q02		
Request Date:	March 11, 2021	Requester DR No.:	CalAdvocates-PGE-2021WMP-20
Date Sent:	March 16, 2021	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Alan Wehrman

SUBJECT: PG&E's 2021 WILDFIRE MITIGATION PLAN (WMP) UPDATE

QUESTION 02

As part of PG&E's 2020 Q4 Quarterly Report, PG&E included GIS data in "PGE_20200909.gdb." Within this database, the attribute table for the "PGE_20200909 PGE_Fuse_20200909" layer indicates that 1,529 overhead fuses in HFTD have either an "InstallationDate" or "InstallationYear" in 2020, and an "AssetType" of "Expulsion." Similarly, 1,268 overhead expulsion fuses in HFTD appear to have been installed in 2019.

Section 7.3.3.7 of PG&E's WMP describes PG&E's efforts to replace expulsion fuses with exempt fuses.

- a) Is it accurate that PG&E installed 1,529 expulsion fuses in HFTD areas in 2020?
- b) If the answer to part (a) is no, please explain the GIS data noted above and state how many overhead expulsion fuses PG&E installed in HFTD areas in 2020.
- c) Is it accurate that PG&E installed 1,268 expulsion fuses in HFTD areas in 2019?
- d) If the answer to part (a) is no, please explain the GIS data noted above and state how many overhead expulsion fuses PG&E installed in HFTD areas in 2019.
- e) If PG&E installed any number of overhead expulsion fuses in HFTD in 2019 or 2020, please explain why this decision was made, despite PG&E's stated efforts to replace expulsion fuses in HFTD with exempt fuses.

ANSWER 02

The following response addresses (a) through (e):

To produce inputs for Feature Dataset 3.1 (Asset Point) and 3.2 (Asset Line), PG&E held various workshops between Subject Matter Experts and Technical Resources to map its GIS system of record to the Schema provided by Wildfire Safety Division (WSD) in its Draft Wildfire Safety Division Geographic Information System (GIS) Data Reporting Requirements and Schema for California Electrical Corporations. The data matrixes produced through this effort will enable PG&E to more sustainably respond to the quarterly submission requirements for Feature Dataset 3.1 & 3.2.

As noted in PG&E's December 9, 2020 response to Guidance-10, which is referenced in PG&E's Cover Letter for its Quarterly Submission, "PG&E's submission represent early drafts and estimates. A full quality validation of all data being provided in the submission was not possible and there may be incorrect data in some of the datasets." To provide additional context – the quarterly reporting cadence creates significant challenges, considering the need to collect, consolidate, curate, and transform data into a GDB file. Quality checks are further constrained as the GDB file requires specific software and training to access. PG&E submits approximately 1,000 attributes and 53 (now 56 in V2 of the Standard) feature classes. PG&E appreciates the data request submitted and will leverage this as an opportunity to enhance future submissions, as well as provide feedback on the fuse asset types to WSD.

The data provided in PG&E's December 9, 2020 GIS Data Reporting Requirements and Schema submission for Feature Class 3.1.4 (Fuse) - Field Name (Asset Type) - Domain (Expulsion) will require further assessment. PG&E's Standards track fuse types according to 'exempt vs non-exempt' status, as opposed to 'expulsion', which Meriam Webster defines as "an electrical fuse that is blown out of its cartridge by a short circuit." Some expulsion fuses have additional safety features, including self-containment capabilities, which enable them to be categorized as exempt. PG&E's GDB file submitted on December 9th did not differentiate between expulsion fuses with additional safety features versus those of traditional build, labeling each as 'expulsion' for reporting purposes, which account for the majority of expulsion fuse types that were installed in High Fire Threat Districts (HFTD) in 2019 and 2020. For the remaining fuse types, PG&E will need to perform further assessment, comparing job entries and mapping inputs for accuracy, to determine the cause of the characterization of expulsion fuse types included in its submission. PG&E will need additional time to perform this assessment and run a Quality Control process. PG&E believes that it will be able to provide this information by March 31, 2021.