December 30, 2025 **BY ELECTRONIC COMMUNICATION**

Tony Marino, Deputy Director
Office of Energy Infrastructure Safety
California Natural Resources Agency
715 P Street, 20th Floor
Sacramento, CA 95814

Re: **Submission of PG&E's 2026-2028 Wildfire Mitigation Plan Draft Decision Non-Substantive Errata**

Dear Deputy Director Marino:

Pursuant to the Notice on Errata for Pacific Gas and Electric Company 2026-2028 Base Wildfire Mitigation Plan issued by Office of Energy Infrastructure Safety (Energy Safety), Pacific Gas and Electric Company (PG&E) hereby submits its non-substantive errata for the 2026-2028 Base WMP Draft Decision.

Two of the non-substantive corrections were identified by Energy Safety. Additionally, we identified several non-substantive issues, which Energy Safety has approved for inclusion. The non-substantive changes are intended to improve clarity.

The errata are as follows:

- Attachment 1: Summary table of identified non-substantive errata including narrative updates, corrections, and table updates.
- Attachment 2: Table PG&E-3.2-1: List of Objectives, Risk Drivers, Targets And Metrics
- Attachment 3: Table PG&E-6.1.3.2-1: Distribution Risk Areas
- Attachment 4: Table 6-3: Risk Impact Of Activities
- Attachment 5: Table 8-1: Grid Design, Operation, And Maintenance Targets By Year
- Attachment 6: Table 8-3: Grid Design, Asset Inspections, And Maintenance QA And AC Program Objectives
- Attachment 7: Table 8-4: Grid Design, Asset Inspections, And Maintenance QA And QC Activity Targets
- Attachment 8: Table PG&E-8.5.2-1: QA/QC Guidance Documents
- Attachment 9: Table PG&E-8.5.3-1: QA/QC Sampling Plan
- Attachment 10: Table PG&E-8.5.4-1: Pass Rate Calculation
- Attachment 11: Table PG&E-8-9: Workforce Planning, Asset Inspections
- Attachment 12: Table 9-2: Vegetation Inspections And Pole Clearing By Year
- Attachment 13: Table 9-9: Vegetation Management Qualifications And Training
- Attachment 14: Table 10-2: Environmental Monitoring Systems

Please let us know if you need any additional materials or clarifications.

Sincerely,

_____/S/_____

Jay Leyno
Senior Director, Wildfire Mitigation PMO

Attachment 1

Errata to Pacific Gas and Electric Company's 2026-2028 Wildfire Mitigation Plan

	Issue/Reason for Correction	Location of Issue in the	Adjustment(s) Made
1	Table updates to remove "Backlog" from Targets (GM-03, GM-12D, GM-13D)	Table PG&E-3.2-1: List of Objectives, Risk Drivers, Targets And Metrics, P. 15	Replaced Table PG&E-3.2-1 to remove "backlog" See Attachment 2 below
		Table PG&E-6.1.3.2-1: Distribution Risk Areas, P. 133	Replaced Table PG&E-6.1.3.2-1 to remove "backlog" See Attachment 3 below
		Table 6-3: Risk Impact Of Activities, P. 152	Replaced Table 6-3 to remove "backlog" See Attachment 4 below
		Table 8-1: Grid Design, Operation, And Maintenance Targets By Year, P. 180	Replaced Table 8-1 to remove "backlog" See Attachment 5 below

	Issue/Reason for Correction	Location of Issue in the	Adjustment(s) Made
1	Table updates to remove “Backlog” from Targets (GM-03, GM-12D, GM-13D)	Table 8-3: Grid Design, Asset Inspections, And Maintenance QA And AC Program Objectives, P. 308	Replaced Table 8-3 to remove “backlog” See Attachment 6 below
		Table 8-4: Grid Design, Asset Inspections, And Maintenance QA And QC Activity Targets, P. 309	Replaced Table 8-4 to remove “backlog” See Attachment 7 below
		Table PG&E-8.5.2-1: QA/QC Guidance Documents, P. 310	Replaced Table PG&E-8.5.2-1 to remove “backlog” See Attachment 8 below
		Table PG&E-8.5.3-1: QA/QC Sampling Plan, P. 312	Replaced Table PG&E-8.5.3-1 to remove “backlog” See Attachment 9 below
		Table PG&E-8.5.4-1: Pass Rate Calculation, P. 314	Replaced Table PG&E-8.5.4-1 to remove “backlog” See Attachment 10 below
2	Footnote update to remove “Backlog” from language.	Section 6.2.1.3: Projected Risk Reduction on Highest-Risk Circuits Over the 3-Year WP Cycle, P. 164,165	HFRA/HFTD distribution ~~backlog~~ tags are not included because the 2026-2028 scope of work is known, but the specific work to be performed each year has not been determined.

	Issue/Reason for Correction	Location of Issue in the	Adjustment(s) Made
3	Narrative update to clarify "Wildfire Rebuild" terminology	Section 8.2.2: Undergrounding of Electric Lines and/or Equipment, P. 202	PG&E also conducts undergrounding activities in wildfire rebuild areas as described in Section 8.2.1.~~; however, those activities are excluded from the GH-04 targets and will not count towards achievement of the GH-04 targets.~~
4	Narrative update to clarify GH-11 language	Section 8.2.5.1: Traditional Overhead Hardening-Transmission Conductor, P. 209	Conductor Segment Replacements ~~This activity reduces risk by replacing a segment where the conductor segments are at higher risk, but the supporting structures are in good condition and there is no additional electrical capacity need to increase the conductor size.~~ The conductor segment replacement program aims to reduce wildfire risk in HFTD/HFRA areas by replacing high risk conductor segments on existing transmission lines. Conductor segment risk is assessed with the WTRM. Target Conductor segment replacements on transmission lines traversing HFTD/HFRA areas are represented by Target GH-11 in Section 8.1. **Impact of the Activity on Wildfire Risk** ~~Transmission shunt splice installations and segment replacements are done at the line level, within HFTD.~~ Transmission shunt splice installations and conductor segment replacements are done at a span level within HFTD/HFRA. Replacement or reinforcement of conductor in the HFTD reduces wildfire risk by decreasing the likelihood of asset failure. Other factors, such as the newer age of replaced equipment, may also reduce the risk of asset failure.
5	Narrative update to correct mis-marked asset type	Section 8.4.12.1: Non-Exempt Fuses, P. 292	Unmarked "Transmission" box **Distribution** ☒ **Transmission** ~~☒~~ ☐ **Substation** ☒

	Issue/Reason for Correction	Location of Issue in the	Adjustment(s) Made
6	Narrative update to correct mis-marked asset type	Section 8.4.12.4: Non-Exempt Air Switches, P. 297	Unmarked “Transmission” box **Distribution** ☒ **Transmission** ☒ ☐ **Substation** ☐
7	Table update to remove “Overhead” from Population/Sample Unit for GM-12D & GM-13D	Table 8-4: Grid Design, Asset Inspections, And Maintenance QA And QC Activity Targets, P. 309	Replaced Table 8-4 to remove “Overhead” See Attachment 7 below
8	Table update to remove incorrect language from Sampling Plan section for GM-01T & GM-09T	Table PG&E-8.5.3-1: QA/QC Sampling Plan, P. 312	Replaced Table PG&E-8.5.3-1 to correct language See Attachment 9 below
9	Table update to remove “Overhead” from Sample Unit for GM-12D & GM-13D	Table PG&E-8.5.4-1: Pass Rate Calculation, P. 314	Replaced Table PG&E-8.5.4-1 to remove “Overhead” See Attachment 10 below

	Issue/Reason for Correction	Location of Issue in the	Adjustment(s) Made
10	Narrative update to further clarify GM-15 with ground/aerial language	Section 8.8.1: Asset Inspections, P. 351	**Overview** Distribution Asset Inspections are assigned to either contract or internal qualified personnel who have received the training to be classified as Qualified Company Representative (QCR) Inspectors focused on ground or aerial ~~Distribution~~ Inspections, which supports wildfire mitigation. Table PG&E-8-9 below provides: • A list of all worker titles relevant to a target role; and • The minimum qualifications for each of those titles. To improve the qualifications of asset inspectors, PG&E performs annual reviews of the System Inspection training programs and incorporates approved changes from Standards and Asset Strategy teams. The training programs incorporate~~s~~ updates and changes ~~to the Inspect Application tool~~ to the inspection applications, tools, and job aids, so that inspectors are well qualified to document and prioritize corrective actions. The training program review for QCR workers is represented by GM-15 in Section 8.1.
11	Table update to further clarify GM-15 with ground/aerial language	Table PG&E-8-9: Workforce Planning, Asset Inspections, P. 352	Table replaced to include ground and aerial inspectors See Attachment 11 below
12	Table update to correct Target Unit description for VM-16 and VM-17	Table 9-2: Vegetation Inspections And Pole Clearing By Year, P. 363	Table replaced to correct Target Unit description from Circuit Miles to Span Miles for VM-16 and VM-17 See Attachment 12 below

	Issue/Reason for Correction	Location of Issue in the	Adjustment(s) Made
13	Narrative update to clarify CCR Title 14	Section 9.4.1: Overview, P.385	PG&E removes vegetation to maintain firebreaks around select transmission and distribution poles and towers, in accordance with PRC Section 4292. Per California Code of Regulation (CCR) Title 14, Section 1254, PG&E removes/clears flammable vegetation and materials, brush, limbs and foliage in a 10 ft radius around the applicable poles and towers (1254(a)) from 0 to 8 feet above the ground (1254(b)) and removes/clears all dead and dying vegetation from 8 ft up from the ground to the top of the conductor (1254(c)).
14	Narrative update to correct initiative language for VM-05, VM-06, and VM-07. Correcting language to more accurately reflect intentions set in 2023-2025 Base WMP.	Section 9.6.1: Overview, P. 389	The initiatives include inspections to identify~~, removal, and mitigation work to minimize~~ the potential for ignitions spreading from substation and switchyard facilities. Mitigation work will take place, as necessary.
15	Table update to correct minor calculation error for VMI and SVMI Total # of Employees	Table 9-9: Vegetation Management Qualifications And Training, P. 427	Table replaced to correct Total # of Employees for VMI and SVMI See Attachment 13 below
16	Table update to reflect correct Measurement/Observation for “Fuel moisture sampling and modeling”	Table 10-2: Environmental Monitoring Systems, P. 439	Table replaced to correct number of locations See Attachment 14 below
17	Narrative update to clarify the maturity level of weather stations network	Section 10.5.5: Weather Station Maintenance and Calibration, P. 472	**Efforts to Ensure Acceptable Levels of Weather Station Coverage** ~~While~~ The PG&E weather stations network is nearing full maturity. ~~fully mature~~ We plan to incrementally install additional stations through the WMP cycle to bolster situational awareness.

	Issue/Reason for Correction	Location of Issue in the	Adjustment(s) Made
18	Narrative update to correct minor acronym error	Section 11.4: Public Communication, Outreach, and Education Awareness, P. 515	Outreach will cover the ~~WMP~~ CWSP, including potential PSPS and EPSS impacts, and updating contact information for critical accounts in the HFRA.
19	Narrative update to better clarify the intention of PS-12	Section 11.5: Customer Support in Wildfire and PSPS Emergencies, P. 538	~~Improve~~ Continue providing access to portable battery storage solutions and in-event support including hotels, transportation, food vouchers, and fuel cards for AFN customers impacted by PSPS and Wildfire outages.
20	Narrative update to better clarify the intention of PS-12	Section 11.5: Customer Support in Wildfire and PSPS Emergencies, P. 543	PG&E works with the CFILC to provide PSPS support through referrals to the Portable Battery Program for the delivery of portable batteries to power critical devices during PSPS events.
21	Narrative update to include new definition in appendix	Appendix A: Table PG&E-A-1: Definition of Terms, P. 614	Span Miles: Span miles is the measurement used in the One VM solution to calculate the straight-line distance between two poles, only counting the distance once, even if parallel assets exist on those poles. This measurement is used for VM-16 and VM-17 programs.

Attachment 2

Table PG&E-3.2-1: List of Objectives, Risk Drivers, Targets And Metrics

Category	PG&E Target Name	Target Number	Objective #1 & 2			Objective #3	Objective #4	PG&E Performance Metric
			Reduce Wildfire Risk Associated With PG&E's Electrical Infrastructure			Reduce Customer Impact from Wildfire Mitigation Activities	Mature Enterprise Systems to Support Risk Reduction Efforts	
			Vegetation Contact	Equipment Failure	Contact From Object			
Grid Design, Operations, and Maintenance	System Hardening –- Undergrounding	GH-04	X	X	X	X		See Quarterly Data Report (QDR) Tables 5 and 6 for performance metrics[a]
	Overhead Hardening–- Distribution	GH-12	X	X	X			
	Line Removal Enabled by Remote Grid – Distribution[b]	GH-14	X	X	X	X		
	System Hardening Distribution Quality Assurance	GM-10D		X				
	System Hardening Distribution Quality Control	GM-11D		X				
	System Hardening –- Transmission Shunt Splices	GH-06		X				
	System Hardening –- Transmission Conductor Segment Replacement	GH-11		X				
	Service Breakaway Connectors	GM-14	X		X			
	Proactive Avian Abatement Feasibility Study - Transmission	GH-13			X			
	Detailed Inspection –- Transmission	AI-04		X				
	Infrared Inspections –- Transmission	AI-06		X				
	Aerial Scan Inspections –- Distribution[b]	AI-07A	X	X				
	Detailed Inspections – Distribution	AI-07D	X	X				
	Evaluate/create new methods(s) to improve accuracy of Asset Inventory Data	ES-02		X				
	Asset Inspections Distribution Quality Assurance	GM-01D		X				
	Asset Inspections Transmission Quality Assurance	GM-01T		X				
	Open Tag Reduction –- Distribution ~~Backlog~~	GM-03		X				
	Asset Inspections Distribution Quality Control	GM-09D		X				
	Asset Inspection Transmission Quality Control	GM-09T		X				
	Open Tag Reduction Distribution ~~Backlog~~ Quality Assurance	GM-12D		X				
	Open Tag Reduction Distribution ~~Backlog~~ Quality Control	GM-13D		X				
	Workforce Planning -–- Distribution Asset Inspection	GM-15		X				
	Updates on EPSS Reliability Study	GM-07	X	X	X			
	Integration of continuous grid monitoring technologies	ES-05	X	X	X			See QDR Table 10 for performance metrics[a]
	Continue sharing PSPS lessons learned	PS-10	X	X	X			
	Access and Functional Needs (AFN) Customer Support During PSPS Emergencies	PS-12				X		

TABLE PG&E-3.2-1
LIST OF OBJECTIVES, RISK DRIVERS, TARGETS AND METRICS
(CONTINUED)

Category	PG&E Target Name	Target Number	Objective #1 & 2			Objective #3	Objective #4	PG&E Performance Metric
			Reduce Wildfire Risk Associated With PG&E's Electrical Infrastructure			Reduce Customer Impact From Wildfire Mitigation Activities	Mature Enterprise Systems To Support Risk Reduction Efforts	
			Vegetation Contact	Equipment Failure	Contact From Object			
Vegetation Management and Inspections	Vegetation Management Critical Datasets Data Quality Remediation	ES-01	X					See QDR Tables 5 and 6 for performance metrics[a]
	Pole Clearing Program - Compliance[c]	VM-02C	X	X				
	Pole Clearing Program - Risk Reduction[c]	VM-02R	X	X				
	Substation Inspections -– Distribution	VM-05	X					
	Substation Inspections – Transmission	VM-06	X					
	Substation Inspections – Power Generation	VM-07	X					
	Vegetation Management Quality Assurance –- Distribution	VM-08D	X					
	Vegetation Management Quality Assurance –- Transmission	VM-08T	X					
	Routine Transmission – Ground	VM-13	X					
	Transmission Hazard Patrol (Second Patrol, Tree Mortality)	VM-14	X					
	Integrated Vegetation Management Benchmarking	VM-25	X					
	Distribution Routine Patrol	VM-16	X					
	Distribution Hazard Patrol	VM-17	X					
	Vegetation Management Quality Control -– Distribution Routine	VM-22D	X					
	Vegetation Management Quality Control -– Pole Clearing	VM-22P	X					
	Vegetation Management Quality Control -– Transmission Routine	VM-22T	X					
	Wood Management Benchmarking	VM-23	X					
	Workforce Planning -– Vegetation Management	VM-24	X					
	Mitigation of Legacy Tree Removal Inventory (TRI)[b]	VM-26	X					
Emergency Preparedness	Community Engagement -– Outreach to HFRA Infrastructure Customers	CO-04				X		See QDR Table 10 for performance metrics[a]
	Community Engagement -– Outage Preparedness Campaign	CO-05				X		
	Common Operating Picture Technology	EP-07				X		

TABLE PG&E-3.2-1
LIST OF OBJECTIVES, RISK DRIVERS, TARGETS AND METRICS
(CONTINUED)

Category	PG&E Target Name	Target Number	Objective #1 & 2			Objective #3	Objective #4	PG&E Performance Metric
			Reduce Wildfire Risk Associated With PG&E's Electrical Infrastructure			Reduce Customer Impact From Wildfire Mitigation Activities	Mature Enterprise Systems To Support Risk Reduction Efforts	
			Vegetation Contact	Equipment Failure	Contact From Object			
Situational Awareness and Forecasting	Line Sensor -– Installations	SA-02					X	See QDR Tables 4 and 10 for performance metrics[(a)]
	Evaluate camera AI system performance and new functionalities.	SA-08					X	
	Distribution Fault Anticipation (DFA) Installations	SA-10					X	
	EFD - Installations	SA-11		X			X	
	Live Fuel Moisture Data Collection	SA-12					X	
	Weather Station Network Evaluation	SA-13					X	
	SmartMeter™ devices next generation capability evaluation	SA-14					X	
	Weekly uptime of Wildfire Cameras	SA-15					X	
	Weather Model Verification Tool	SA-16					X	
	Weather Model Enhancements leveraging AI-ML	SA-17					X	
	Weather Station Network Health	SA-18					X	
	Weather Station Network Optimization	SA-19					X	
Enterprise Systems	Grid Monitoring Sensor Systems Efficacy Assessment	ES-03	X	X	X		X	Not Applicable
	Operate and Maintain Weather Data Systems	ES-04	X	X			X	

(a) Attainment metrics (where applicable) are available on QDR Table 1.

(b) PG&E set new targets as a result of the Revision Notice for the 2026-2028 Base WMP, specifically in response to Critical Issues RN-PGE-26-04, RN-PGE-26-05, RN-PGE-26-06, and RN-PGE-26-09. See 2026-2028 WMP Revision Notice Response R0 for additional information.

(c) Pole Clearing Program Target (VM-02) is split into Pole Clearing Program – Compliance (VM-02C) and Pole Clearing Program – Risk Reduction (VM-02R) as a result of Critical Issue RN-PGE-26-10. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 3

Table PG&E-6.1.3.2-1: Distribution Risk Areas

Mitigation	Geographic Area 1: Top Risk Areas based on Wildfire Risk Models (HFTD/HFRA)	Geographic Area 2: Remaining Risk Areas based on Wildfire Risk Models (HFTD/HFRA)	Geographic Area 3: Non-HFTD/HFRA
Comprehensive Monitoring and Data Collection			
Weather Stations	X	X	X
Wildfire Cameras	X	X	
Asset Inspections	X	X	X
Vegetation Inspections	X	X	X
Operational Mitigation Activities			
PSPS	X	X	X
EPSS	X	X	
Equipment Maintenance and Repair, Includes Pole Replacement and Reinforcement	X	X	X
Pole Clearing	X	X	X
Substation Defensible Space	X	X	
Resiliency Mitigation Activities			
Undergrounding	X		
Covered Conductor	X	X	
Distribution Line Removal	X	X	
HFTD/HFRA Open Tag Reduction – Distribution ~~(Backlog)~~	X	X	

Attachment 4

Table 6-3: Risk Impact of Activities

Activity	Activity Section #	Activity - Effectiveness - Overall Risk	Activity - Effectiveness - Wildfire Risk	Activity - Effectiveness - Outage Program Risk	Cost-Benefit Score - Over all Risk[d]	Cost-Benefit Score - Wildfire Risk[d]	Cost-Benefit Score - Outage Program Risk[d]	% HFTD Covered	% HFTD/ HFRA Covered	Expected % Risk Reduction	Model Used to Calculate Risk Impact
Covered conductor installation[a]	8.2.1	62%	67%	23% [f]	19.9	19.2	0.7	2.7%	2.6%	2.8%	WDRM v4
Undergrounding of electric lines and/or equipment [a]	8.2.2	98%	98%	100%[g]	8.4	8.0	0.4	4.3%	4.3%	6.0%	WDRM v4
PSPS[i]	7	70%	95%	(59)%	28.9	48.6	(19.7)	100%	100%	NA	WDRM v4
EPSS[c]	8.2.8	45%	65%	(73)%	35.3	40.0	(4.7)	100%	100%	NA	WDRM v4
HFTD/HFRA distribution ~~backlog~~ tags	8.6.2	NA	14%	NA	NA	NA	NA	75%	75%	1.9%	WDRM v4
Pole clearing – Compliance [d]	9.4	NA	20%	NA	NA	NA	NA	3.8%%	3.8%	0.18%	WDRM v4
Pole clearing – Risk Reduction[d]	9.4	NA	20%	NA	NA	NA	NA	3.5%	3.8%	0.12%	WDRM v4
Distribution routine patrol[h]	9.2.1	NA	6%	NA	NA	NA	NA	100%	100%	2.4%	WDRM v4
Service drops/ breakaway connectors	8.2.10.6	NA	80%	NA	NA	NA	NA	0.6%	0.6%	0.02%	WDRM v4
Transmission shunt splice installation	8.4.9.2	NA	88%	NA	NA	NA	NA	NA	0.7%	0.2%	WTRM v2

TABLE 6-3:
RISK IMPACT OF ACTIVITIES
(CONTINUED)

Activity	Activity Section #	Activity - Effectiveness - Overall Risk	Activity - Effectiveness - Wildfire Risk	Activity - Effectiveness - Outage Program Risk	Cost-Benefit Score - Over all Risk(d)	Cost-Benefit Score - Wildfire Risk(d)	Cost-Benefit Score - Outage Program Risk(d)	% HFTD Covered	% HFTD/ HFRA Covered	Expected % Risk Reduction	Model Used to Calculate Risk Impact
Transmission conductor segment replacement	8.2.5.1	NA	75%	NA	NA	NA	NA	NA	0.4%	0.1%	WTRM v2

(a) In response to Critical Issues RN-PGE-26-04 and RN-PGE-05, Cost-Benefit Score - Overall, Cost-Benefit Score - Wildfire Risk, Cost-Benefit Score - Outage Program Risk, % HFTD Covered, %HFTD/HFRA Covered, and Expect % Risk Reduction data have been updated. See 2026-2028 WMP Revision Notice Response R0 for additional information.

(b) This figure represents catastrophic wildfire effectiveness

(c) This figure represents the effectiveness of EPSS at reducing ignitions under R3 and above FPI conditions

(d) In response to Critical Issue RN-PGE-26-10, Pole Clearing is split between Pole Clearing - Compliance and Pole Clearing - Risk Reduction. Percent of HFTD Covered, Percent of HFTD/HFRA Covered and Expected % Risk Reduction have been updated. See 2026-2028 WMP Revision Notice Response R0 for additional information.

(e) CBR values exclude foundational costs

(f) Covered Conductor is estimated to be approximately 52% effective in mitigating EPSS outages but has no impact on PSPS planned outages. The resulting blended average effectiveness for Outage Program (defined as PSPS and EPSS) risk is 23%.

(g) Undergrounding eliminates the need to implement outage programs (i.e. PSPS and EPSS) for the undergrounded lines because they do not pose the same risk as overhead assets during the extreme weather conditions that drive outage program events. However, as explained in Section 8.2.1 and 8.2.2, the degree to which an area with underground lines may still be subject to outage events depends on whether, and how much, the upstream line sections have been overhead hardened or undergrounded.

(h) Distribution routine patrol includes work on the legacy TRI. Updated Expected % Risk Reduction as result of Critical Issue RN-PGE-26-09 updated workplan. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 5

Table 8-1: Grid Design, Operation, And Maintenance Targets By Year

Initiative	Quantitative or Qualitative Target	Activity (Tracking ID #)	Previous Tracking ID (if applicable)	Target Unit	2026 Target/ Status	% Planned in HFTD for 2026	% Planned in HFRA for 2026	% Risk Reduction for 2026	2027 Target/ Status	% Planned in HFTD for 2027	% Planned in HFRA in 2027	% Risk Reduction for 2027	2028 Target / Status	% Planned in HFTD for 2028	% HFRA planned in 2028	% Risk Reduction for 2028	3-Year Total	Section; Page Number
Grid Design, Operations, and Maintenance	Quantitative (Quarterly)	Detailed Inspection – Transmission (AI-04)	AI-04	Transmission Structures	22,000	96.5%	100%	63.78% (Eyes on Risk)	22,000	96.5%	100%	63.78% (Eyes on Risk)	22,000	96.5%	100%	63.78% (Eyes on Risk)	66,000	8.3.1; p. 232
Grid Design, Operations, and Maintenance	Quantitative (Quarterly)	Infrared Inspections – Transmission (AI-06)	AI-06	Circuit miles	2,500	94.6%	100%	72.95% (Eyes on Risk)	2,500	94.6%	100%	72.95% (Eyes on Risk)	2,500	94.6%	100%	72.95% (Eyes on Risk)	7,500	8.3.3; p. 235
Grid Design, Operations, and Maintenance	Quantitative (Quarterly)	Aerial Scan Inspections – Distribution (AI-07A)[a]	n/a	Distribution Poles	50,000	98%	100%	24% (Eyes on Risk)	20,000	99%	100%	12% (Eyes on Risk)	20,000	98%	100%	9% (Eyes on Risk)	90,000	8.3.8 p. 240
Grid Design, Operations, and Maintenance	Quantitative (Quarterly)	Detailed Inspections – Distribution (AI-07D) [a]	AI-07	Distribution Poles	300,000	98%	100%	33% (Eyes on Risk)	305,000	94%	100%	47% (Eyes on Risk)	215,000	98%	100%	48% (Eyes on Risk)	820,000	8.3.8 p. 240
Grid Design, Operations, and Maintenance	Quantitative	System Hardening – Undergrounding (GH-04)[b][e]	GH-04	Circuit Miles	360[c]	100%	100%	1.4%	307	100%	100%	2.2%	400	100%	100%	2.4%	1,067	8.2.2; p. 201
Grid Design, Operations, and Maintenance	Quantitative	System Hardening - Transmission Shunt Splices (GH-06)	GH-06	Shunt Splices	250	100%	100%	0.07%	250	100%	100%	0.07%	250	100%	100%	0.07%	750	8.2.5.1; p. 208
Grid Design, Operations, and Maintenance	Quantitative	System Hardening – Transmission Conductor Segment Replacement (GH-11)	GH-11	Conductor Segment	4	100%	100%	0.05%	5	100%	100%	0.05%	6	100%	100%	0.05%	15	8.2.5.1; p. 208
Grid Design, Operations, and Maintenance	Quantitative	Overhead Hardening – Distribution (GH-12)[e]	GH-01(d)	Circuit Miles	294	100%	100%	1.2%	190	98.7%	100%	1.0%	190	99%	100%	0.6%	674	8.2.1; p. 184
Grid Design, Operations, and Maintenance	Quantitative	Line Removal Enabled by Remote Grid – Distribution (GH-14)[e]	GH-01	Circuit Miles	4	100%	100%	.04%	0	n/a	n/a	n/a	0	n/a	n/a	n/a	4	8.2.7.1 p. 211
Grid Design, Operations, and Maintenance	Qualitative	Proactive Animal Abatement Feasibility Study – Transmission (GH-13)	n/a	n/a	Started; March 2026	n/a	n/a	n/a	In Progress; 2027	n/a	n/a	n/a	Completed; December 31, 2028	n/a	n/a	n/a	n/a	8.2.13.1; p. 226

TABLE 8 1:
GRID DESIGN, OPERATION, AND MAINTENANCE TARGETS BY YEAR
(CONTINUED)

Initiative	Quantitative or Qualitative Target	Activity (Tracking ID #)	Previous Tracking ID (if applicable)	Target Unit	2026 Target/ Status	% Planned in HFTD for 2026	% Planned in HFRA for 2026	% Risk Reduction for 2026	2027 Target/ Status	% Planned in HFTD for 2027	% Planned in HFRA in 2027	% Risk Reduction for 2027	2028 Target / Status	% Planned in HFTD for 2028	% HFRA Planned in 2028	% Risk Reduction for 2028	3-Year Total	Section; Page Number
Grid Design, Operations, and Maintenance	Quantitative	Open Tag Reduction – Distribution ~~Backlog~~ (GM-03)	GM-03	Distribution EC Tags	Close 134% of the count of EC notifications created in HFTD/HFRA in 2025	100%	99%	0.6%	Close 153% of the count of EC notifications created in HFTD/HFRA from 2025 to 2026	100%	99%	0.6%	Close 160% of the count of EC notifications created in HFTD/HFRA from 2025 to 2027	100%	99%	0.6%	n/a	8.6.2; p. 322
Grid Design, Operations, and Maintenance	Qualitative	Updates on EPSS Reliability Study (GM-07)	GM-07	n/a	Completed; February 15, 2026	n/a	n/a	n/a	Completed; February 15, 2027	n/a	n/a	n/a	Completed; February 15, 2028	n/a	n/a	n/a	n/a	8.7.1.1; p. 333
Grid Design, Operations, and Maintenance	Quantitative	Service Breakaway Connectors (GM-14)	n/a	Service Breakaway Connectors	200	100%	100%	0.001%	1,400	100%	100%	0.007%	1,400	100%	100%	0.007%	3,000	8.2.10.6; p. 223
Grid Design, Operations, and Maintenance	Qualitative	Workforce Planning (GM-15)	n/a	n/a	Completed; May 1, 2026	n/a	n/a	n/a	Completed; May 1, 2027	n/a	n/a	n/a	Completed; May 1, 2028	n/a	n/a	n/a	n/a	8.8.1; p. 351

(a) In response to Critical Issue RN-PGE-26-06, the percent of risk reduction for detailed inspections and aerial inspections together account for 57 percent Eyes-on-Risk (EOR). PG&E aims to achieve a cumulative 57 percent EOR across aerial scan and detailed inspections. This EOR can be allocated in any way across the two inspections. See 2026-2028 WMP Revision Notice Response R0 for additional information.

(b) PG&E may include in these calculations the mileage and risk reduction from new system hardening technologies, such as Ground-Level Distribution Systems (GLDS) discussed in ACI PG&E-25U-03, Section 2.3.

(c) In the 2023-2025 WMP, PG&E provided a forecast of 440 undergrounding miles for 2026 (PG&E's 2023-2025 Base WMP R6, p. 408, Table 8.1.2-2). The 2026 miles were provided as a forecast only to align to the total miles approved in PG&E's 2023 GRC and were not a WMP target. Based on the undergrounding work completed in 2023 and 2024, and forecast for 2025, we are reducing the number of undergrounding miles needed to achieve the 18 percent risk reduction target for 2023-2026 that is a requirement of PG&E's 2023 GRC decision (Decision (D.) 23-11-069, Ordering Paragraph 22)

(d) In the 2023-2025 WMP, the covered conductor initiative (GH-01) included work associated with the system hardening program, including overhead covered conductor, system hardening undergrounding, and removal of overhead lines in HFTD, HFRA, or buffer zone areas. The covered conductor activity and target GH-12 have been updated for this revised 2026-2028 Base WMP to remove undergrounding work, which is captured in GH-04, and to remove line removal which is captured in GH-14 for line removal enabled by remote grid. See Critical Issue RN-PGE-26-05 in 2026-2028 WMP Revision Notice Response R0 for additional information.

(e) In response to Critical Issue RN-PGE-26-05, these targets and risk reduction estimates exclude system hardening for community rebuild purposes. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 6

Table 8-3: Grid Design, Asset Inspections, And Maintenance QA And QC Program Objectives

Initiative/Activity Being Audited	Tracking IDs of Initiatives Being Audited	Quality Program Type	Quality Management Initiative Tracking ID	Objective of the Quality Program
System Hardening – Undergrounding	GH-04	QC	GM-11D	Ensure that new construction meets applicable standards.
System Hardening – Undergrounding	GH-04	QA	GM-10D	Ensure that new construction meets applicable standards.
Open Tag Reduction – Distribution ~~Backlog~~	GM-03	QC	GM-13D	Ensure that corrective repair work meets applicable standards.
Open Tag Reduction – Distribution ~~Backlog~~	GM-03	QA	GM-12D	Ensure that corrective repair work meets applicable standards.
Aerial Scan Inspections - Distribution, Detailed Inspections – Distribution	AI-07A, AI-07D	QC	GM-09D[(a)]	Ensure inspections are following electrical corporation procedures for inspections.
Aerial Scan Inspections - Distribution, Detailed Inspections – Distribution	AI-07A, AI-07D	QA	GM-01D[(a)]	Ensure inspections are following electrical corporation procedures for inspections.
Detailed Inspection Transmission	AI-04	QC	GM-09T	Ensure inspections are following electrical corporation procedures for inspections.
Detailed Inspection Transmission	AI-04	QA	GM-01T	Ensure inspections are following electrical corporation procedures for inspections.

(a) GM-09D and GM-01D targets embed the Aerial Scan inspection program (AI-07A) with the Detailed Inspections – Distribution (AI-07D). The QA/QC will examine both AI-07A and AI-07D as a single population. The adjustments resulted from the Critical Issue RN-PGE-26-06. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 7

Table 8-4: Grid Design, Asset Inspections, And Maintenance QA And QC Activity Targets

Initiative/ Activity Being Audited	Quality Program Type	Type of Audit	Population/ Sample Unit	2026: Population Size	2026: Sample Size	2027: Population Size	2027: Sample Size	2028: Population Size	2028: Sample Size	Percent of Sample in the HFTD/HFRA	Confidence Level/Margin of Error (MOE)	2026: Pass Rate Target	2027: Pass Rate Target	2028: Pass Rate Target
System Hardening – Undergrounding	QC	Field/Desktop	Circuit Miles	360[a]	302[a]	307	264	400	329	100%	Minimum 99%/3%	80%	88%	95%
System Hardening – Undergrounding	QA	Field/Desktop	Circuit Miles	360[a]	187[a]	307	171	400	197	100%	95%/5%	88%	92%	95%
Open Tag Reduction – Distribution ~~Backlog~~	QC	Field/Desktop	Distribution ~~Overhead~~ EC Tags	70,000[b]	25,000	70,000[b]	30,000	70,000[b]	35,000	100%	Minimum 99%/1%	80%	88%	95%
Open Tag Reduction – Distribution ~~Backlog~~	QA	Field/Desktop	Distribution ~~Overhead~~ EC Tags	70,000[b]	383	70,000[b]	383	70,000[b]	383	100%	95%/5%	88%	92%	95%
Aerial Scan Inspections – Distribution, Detailed Inspections – Distribution	QC	Field/Desktop	Distribution Poles	350,000[c]	65,000	325,000[c]	65,000	235,000[c]	65,000	100%	Minimum 99%/1%	95%	95%	95%
Aerial Scan Inspections - Distribution, Detailed Inspections – Distribution	QA	Field/Desktop	Distribution Poles	350,000[c]	384	325,000[c]	384	235,000[c]	384	100%	95%/5%	95%	96%	97%
Detailed Inspection Transmission	QC	Field/Desktop	Transmission Structures	22,000	9,458	22,000	9,458	22,000	9,458	100%	Minimum 99%/1%	95%	95%	95%
Detailed Inspection Transmission	QA	Field/Desktop	Transmission Structures	22,000	378	22,000	378	22,000	378	100%	95%/5%	95%	96%	97%

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(a) In response to Critical Issue RN-PGE-26-05, population size has been adjusted to reflect the updated workplan for 2026. Sample size has been updated accordingly. See 2026-2028 WMP Revision Notice Response R0 for additional information.

(b) Subject to change in alignment with Initiative/Activity Being Audited Workplan.

(c) In response to Critical Issue RN-PGE-26-06, population size has been adjusted to reflect the updated workplan for 2026-2028. QA/QC will example both Aerial Scan Inspections – Distribution (AI-07A) and Detailed Inspections – Distribution (AI-07D) as a single population. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 8

Table PG&E-8.5.2-1: QA/QC Guidance Documents

Initiative/Activity Being Audited	Quality Program Type	Applicable Procedures[(a)]	Version(s) and effective date(s)
System Hardening – Undergrounding	QC	RISK-6501P-01	10/2024, Rev: 0
System Hardening – Undergrounding	QA	RISK-6501P-01 RISK-6501S	10/2024, Rev: 00 10/2024, Rev: 00
Open Tag Reduction – Distribution ~~Backlog~~	QC	RISK-6501P-05	04/2024, Rev: 4
Open Tag Reduction – Distribution ~~Backlog~~	QA	RISK-6501S RISK-6501P-05	10/2024, Rev: 00 10/2024, Rev: 00
Aerial Scan Inspections – Distribution, Detailed Inspections – Distribution[(b)]	QC	RISK-6501P-04	04/2023, Rev: 0
Aerial Scan Inspections – Distribution, Detailed Inspections – Distribution[(b)]	QA	RISK-6501S RISK-6501P-08	10/2024, Rev: 00 10/2024, Rev: 00
Detailed Inspection Transmission	QC	RISK-6501P-04	04/2023, Rev: 0
Detailed Inspection Transmission	QA	RISK-6501S RISK-6501P-08	10/2024, Rev: 00 10/2024, Rev: 0

(a) The supporting documents are available at: PG&E's Community Wildfire Safety Program.

(b) Updated to include Aerial Scan Inspections in response to Critical Issue RN-PGE-26-06. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 9

Table PG&E-8.5.3-1: QA/QC Sampling Plan

Initiative/Activity Being Audited	Tracking IDs of Initiatives Being Audited	Quality Program Type	Quality Management Initiative Tracking ID	Sampling Plan
System Hardening – Undergrounding	GH-04	QC	GM-11D	HFTD, HFRA, buffer areas, fire rebuild areas
System Hardening – Undergrounding	GH-04	QA	GM-10D	HFTD, HFRA, buffer areas, fire rebuild areas
Open Tag Reduction – Distribution ~~Backlog~~	GM-03	QC	GM-13D	HFTD, HFRA, and buffer areas: priority informed by outage, ignition, Notice of Violation (NOV) trends
Open Tag Reduction – Distribution ~~Backlog~~	GM-03	QA	GM-12D	HFTD, HFRA, and buffer areas: priority informed by outage, ignition, NOV trends
Aerial Scan Inspections – Distribution, Detailed Inspections – Distribution	AI-07A, AI-07D	QC	GM-09D[(a)]	HFTD, HFRA, and buffer areas: priority informed by extreme, severe, high-risk ranking. Not limited to any one inspection methodology and to include aerial scans.
Aerial Scan Inspections – Distribution, Detailed Inspections – Distribution	AI-07A, AI-07D	QA	GM-01D[(a)]	HFTD, HFRA, and buffer areas: priority informed by extreme, severe, high-risk ranking. Not limited to any one inspection methodology and to include aerial scans.
Detailed Inspection Transmission	AI-04	QC	GM-09T	HFTD, HFRA, and buffer areas~~.: priority informed by extreme, severe, high-risk ranking~~
Detailed Inspection Transmission	AI-04	QA	GM-01T	HFTD, HFRA, and buffer areas~~.: priority informed by extreme, severe, high-risk ranking~~

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(a) GM-09D and GM-01D targets embed the Aerial Scan inspection program (AI-07A) with the Detailed Inspections – Distribution (AI-07D). The QA/QC will examine both AI-07A and AI-07D as a single population. The adjustments resulted from the Critical Issue RN-PGE-26-06. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 10

Table PG&E 8.5.4-1: Pass Rate Calculation

Initiative/ Activity Being Audited	Quality Program Type	Sample Unit	Pass Criteria	Fail Criteria	Pass Rate Calculation
System Hardening – Undergrounding	QC	Circuit Miles	Attributes meeting QC audit acceptance criteria	Attributes not meeting QC audit acceptance criteria	Passed opportunities/total opportunities
System Hardening – Undergrounding	QA	Circuit Miles	Attributes meeting QA audit acceptance criteria	Attributes not meeting all QA audit acceptance criteria	Passed opportunities/total opportunities
Open Tag Reduction – Distribution ~~Backlog~~	QC	Distribution ~~Overhead~~ EC Tags	Passed opportunities within audit checklist acceptance criteria based on location attributes	Failed opportunities within audit checklist acceptance criteria based on location attributes	Passed opportunities over total opportunities.
Open Tag Reduction – Distribution ~~Backlog~~	QA	Distribution ~~Overhead~~ EC Tags	Passed opportunities within audit checklist acceptance criteria based on location attributes	Failed opportunities within audit checklist acceptance criteria based on location attributes	Passed opportunities over total opportunities.
Aerial Scan Inspections – Distribution, Detailed Inspections – Distribution[(a)]	QC	Unique inspection reviewed	Unique count of inspections reviewed where Audit Findings = 0	Unique count of inspections reviewed where Audit Findings ≠ 0	Total inspections passed/Total inspections reviewed
Aerial Scan Inspections – Distribution, Detailed Inspections – Distribution[(a)]	QA	Unique inspection reviewed	Unique count of inspections reviewed where Audit Findings = 0	Unique count of inspections reviewed where Audit Findings ≠ 0	Total inspections passed/Total inspections reviewed
Detailed Inspection Transmission	QC	Unique inspection reviewed	Unique count of inspections reviewed where Audit Findings = 0	Unique count of inspections reviewed where Audit Findings ≠ 0	Total inspections passed/Total inspections reviewed
Detailed Inspection Transmission	QA	Unique inspection reviewed	Unique count of inspections reviewed where Audit Findings = 0	Unique count of inspections reviewed where Audit Findings ≠ 0	Total inspections passed/Total inspections reviewed

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Updated to include Aerial Scan Inspections in response to Critical Issue RN-PGE-26-06. See 2026-2028 WMP Revision Notice Response R0 for additional information.

Attachment 11

Table PG&E-8-9: Workforce Planning, Asset Inspections

Ground /Aerial	QCR Worker Title	Minimum Qualifications for Target Role	Special Certification Requirements	Reference to Electrical Corporation Training/Qualification Programs
Ground	Compliance Inspector	~~QEW Consisting of Journeyman Lineman and New Inspector Training~~ Required to be Journeyman Lineman New Inspector Training Course	Compliance Inspector Training Course Compliance Inspector Refresher Course	ELEC-1000 (Initial) TECH-0020 (Refresher) ELEC-0340 (CONT) ELEC-0341 (CONT) ELEC-0342 (CONT)
Aerial	~~Compliance Inspector – Underground~~ Desktop Inspector	~~Journey Level Cable Splicer~~ POSSESS, at a minimum, 4 years combined experience in one or more of the following roles: • Journeyman lineman, preferably distribution, substation journeyman electrician, journeyman electrical technician, or similar role • Electrical engineer or similar role • Distribution line (D-Line) electrical inspector or similar role	~~Compliance~~ Desktop Inspector Training Course	~~ELEC-1000 (Initial)~~ ~~TECH-0020 (Refresher)~~ ~~ELEC-0340 (CONT)~~ ~~ELEC-0341 (CONT)~~ ~~ELEC-0342 (CONT~~) PSOS-0465
	~~(a) All PG&E employees and contractors meet the minimum qualifications for the assigned role.~~ Contractors are required to meet minimum qualifications to perform inspections			

Attachment 12

Table 9-2: Vegetation Inspections And Pole Clearing By Year

Activity (Program)	Tracking ID	Previous Tracking ID, if applicable	Target Unit	Cumulative (Cml.) Quarterly Target 2026, Q1	Cml. Quarterly Target 2026, Q2	Cml. Quarterly Target 2026, Q3	Cml. Quarterly Target 2026, Q4	Cml. Quarterly Target 2027, Q1	Cml. Quarterly Target 2027, Q2	Cml. Quarterly Target 2027, Q3	Cml. Quarterly Target 2027, Q4	Cml. Quarterly Target 2028, Q1	Cml. Quarterly Target 2028, Q2	Cml. Quarterly Target 2028, Q3	Cml. Quarterly Target 2028, Q4	% HFTD Covered in 2026	% Risk Reduction for 2026	% Risk Reduction for 2027(a)	% Risk Reduction for 2028(a)	3-Year Total	Activity Timeline Target	Section; Page Number
Pole Clearing Program – Compliance(b)	VM-02C	VM-02	Poles(c)	13,668	30,958	45,710	45,710	13,668	30,958	45,710	45,710	13,668	30,958	45,710	45,710	4%	0.06%	0.06%	0.06%	137,130	365 days	9.4; p. 385
Pole Clearing Program – Risk Reduction(b)	VM-02R	VM-02	Poles(c)	6,820	16,445	24,290	24,290	6,820	16,445	24,290	24,290	6,820	16,445	24,290	24,290	4%	0.04%	0.04%	0.04%	72,870	365 days	9.4; p. 385
Substation Inspections – Distribution	VM-05	VM-05	Distribution Substations	58	122	130	130	58	122	130	130	58	122	130	130	100.00%	53% (Eyes on Risk)	53% (Eyes on Risk)	53% (Eyes on Risk)	390	274 days	9.6; p. 389
Substation Inspections – Transmission	VM-06	VM-06	Transmission Substations	–	53	55	55	–	53	55	55	–	53	55	55	100.00%	23% (Eyes on Risk)	23% (Eyes on Risk)	23% (Eyes on Risk)	165	274 days	9.6; p. 389
Substation Inspections – Power Generation	VM-07	VM-07	Power Generation Switchyards and Powerhouses	–	52	58	58	–	52	58	58	–	52	58	58	100.00%	24% (Eyes on Risk)	24% (Eyes on Risk)	24% (Eyes on Risk)	174	274 days	9.6; p. 389
Routine Transmission – Ground	VM-13	VM-13	Circuit Miles	1,989	10,000	15,000	17,500	1,925	10,000	15,000	17,500	1,925	10,000	15,000	17,500	100.00%	100% (Eyes on Risk)	100% (Eyes on Risk)	100% (Eyes on Risk)	52,500	365 days	9.2.3; p. 375
Transmission Hazard Patrol (Second Patrol, Tree Mortality)	VM-14	VM-14	Circuit Miles	–	–	–	5,625	–	–	–	5,625	–	–	–	5,625	100.00%	100% (Eyes on Risk)	100% (Eyes on Risk)	100% (Eyes on Risk)	16,875	365 days	9.2.4; p. 380
Distribution Routine Patrol(e)	VM-16	VM-16	~~Circuit~~ Span Miles	11,500	31,500	50,500	78,200	11,500	31,000	50,000	77,800	11,000	31,000	50,000	77,500	100.00%	100% (Eyes on Risk)	100% (Eyes on Risk)	100% (Eyes on Risk)	233,500	365 days	9.2.1; p. 366
Distribution Hazard Patrol (Second Patrol, Tree Mortality)	VM-17	VM-17	~~Circuit~~ Span Miles	1,500	4,000	6,500	10,000	1,500	4,000	6,500	10,000	1,500	4,000	6,500	10,000	39%	75.14% (Eyes on Risk)	75.14% (Eyes on Risk)	75.14% (Eyes on Risk)	30,000	365 days	9.2.2; p. 371

(a) Estimates for the 2027 & 2028 risk reduction are not available at the time of WMP submission. As such, 2026 risk reduction values will be used as a proxy.

(b) Pole Clearing Program (VM-02) is separated into Pole Clearing Program – Compliance (VM-02C) and Pole Clearing Program – Risk Reduction (VM-02R) in response to Critical Issue RN-PGE-26-10. See 2026-2028 WMP Revision Notice Response R0 for additional information.

(c) Poles are defined in this target as distribution and transmission poles and structures.

(d) Values have been updated as a result of Substantive Errata filing on April 18, 2025, in accordance with Revision Notice at 21. Note that the values for Pole Clearing Program – Compliance and Pole Clearing Program – Risk Reduction have since been updated in response to Revision Notice Critical Issue RN-PGE-26-10.

(e) In response to Critical Issue RN-PGE-26-09, PG&E created a target for Mitigation of Legacy Tree Removal Inventory (TRI) (VM-26). See Table 9-1 for more information on VM-26. Percent Risk Reduction for 2026-2028 has been updated to reflect the removal of the VM-26 from Distribution Routine Patrol. See 2026-2028 WMP Revision Notice Response R0 for more information.

Attachment 13

Table 9-9: Vegetation Management Qualifications And Training

Worker Title	Minimum Qualifications for Target Role	Applicable Certifications	# of Electrical Corporation Employees With Min Quals	# of Electrical Corporation Employees with Special Certifications	# of Contracted Employees With Min Quals	# of Contractor Employees With Applicable Certifications	Total # of Employees	Reference to Electrical Corporation Training/ Qualification Programs
VMI and Senior Vegetation Management Inspectors (SVMI)	For VMI: High School diploma or General Educational Development Test (GED), AND Required to maintain a Class C driver's license AND must meet one of the experience levels below: • Experience/education requirements (must meet one): • 1 year of related arboricultural experience, OR • ISA Certified Arborist, OR • 2-year or 4-year college degree in a related field, AND • Approval by PG&E Representative For SVMI: High School diploma or GED, AND Required to maintain a Class C driver's license AND must meet one of the experience levels below: • 5 years of experience as a tree crew climber/tree crew foreman with at least 2 years of line clearance certification, OR • 5 years of experience as a Vegetation Management Inspector and Certified Arborist, OR • 5 years of experience as a Registered Professional Forester, OR • 5 years of experience as a Utility Inspector or higher classification with at least 1 year of vegetation management experience, OR • 4 years of Military Service with honorable discharge and at least 1 year additional year of vegetation management inspection experience, AND • Approval by PG&E Representative.	• Certified Arborist • Registered Professional Forester	300	• Certified Arborist – 130 • Registered Professional Forester – 1 *Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	1,007	• Certified Arborist – 409 • Registered Professional Forester – 2 *Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	~~1,291~~ 1307	VMI Basics
Field Supervisor (FS)	Minimum of 5 years' experience in line clearance tree work and have been a qualified line clearance tree worker. • Equivalent experience may be acceptable at the discretion of the Vegetation Program Manager. The FS shall be familiar with the Contractor's work practices, PG&E's Specification, and all applicable legal and regulatory requirements relating to the Work required.	N/A	0	0	195	N/A	195	N/A – Tree Work Training is not provided by PG&E

TABLE 9-9:
VEGETATION MANAGEMENT QUALIFICATIONS AND TRAINING
(CONTINUED)

Worker Title	Minimum Qualifications for Target Role	Applicable Certifications	# of Electrical Corporation Employees With Min Quals	# of Electrical Corporation Employees with Special Certifications	# of Contracted Employees With Min Quals	# of Contractor Employees With Applicable Certifications	Total # of Employees	Reference to Electrical Corporation Training/ Qualification Programs
Foreman (FM)	A minimum of 18 months experience in line clearance tree work and is a qualified line clearance tree worker. Capable of climbing and possess a valid certification document issued by Contractor. Equivalent experience may be acceptable at the discretion of the Vegetation Program Manager. The FM shall be familiar with the Contractor's work practices, PG&E's Specification, and all applicable legal and regulatory requirements relating to line clearance work and fire prevention related to the Work and use this knowledge to direct his/her crew(s).	N/A	0	0	1,353	N/A	1,353	N/A – Tree Work Training is not provided by PG&E
Patrolman (PT)	A PT shall, by reason of his or her training and/or experience, and demonstrated through his or her performance, be familiar with the requirements of line clearance tree pruning and possess good customer contact skills	N/A	0	0	0	N/A	0	N/A – Tree Work Training is not provided by PG&E.
Journeyman Tree Trimmer/Climber (CL)	A minimum of 18 months experience in line clearance tree work. Possess a valid certification document issued by Contractor. Met the state approved training requirements to work within 10 feet of energized conductors. Shall be familiar with the Contractor's work practices and requirements related to line clearance work.	N/A	0	0	613	N/A	613	N/A – Tree Work Training is not provided by PG&E
Apprentice Trimmer/Climber (AC)	A minimum of 3 months experience as a groundman. An AC shall be defined as a tree worker undergoing on- the-job training and shall have demonstrated the ability to perform his or her duties safely and in accordance with applicable state and federal regulations	N/A	0	0	818	N/A	818	N/A – Tree Work Training is not provided by PG&E
Groundman/Flagman (GM)	A GM shall be defined as a crew member other than a PT, CL or AC working under the direct supervision of the FM.	N/A	0	0	525	N/A	525	N/A – Tree Work Training is not provided by PG&E
Vegetation Control Technician (VC Tech)	Vegetation control experience or other related work, including relevant pesticide and related licenses and certificates. Preferred – ISA Certified Arborist, ISA Certified Tree Worker, and/or TCIA Certified Tree Care Safety Professional.	N/A	0	0	393	N/A	393	VEGM-0302 and VEGM-0303
Brush Crew Foreman	18 months related experience. Electrical groundman or lineman experience preferred or any equivalent combination of experience and certified training that provides the required knowledge, skills, and abilities. High school graduate, or its equivalent required	N/A	0	0	53	N/A	53	N/A – Tree Work Training is not provided by PG&E.

TABLE 9-9:
VEGETATION MANAGEMENT QUALIFICATIONS AND TRAINING
(CONTINUED)

Worker Title	Minimum Qualifications for Target Role	Applicable Certifications	# of Electrical Corporation Employees With Min Quals	# of Electrical Corporation Employees with Special Certifications	# of Contracted Employees With Min Quals	# of Contractor Employees With Applicable Certifications	Total # of Employees	Reference to Electrical Corporation Training/ Qualification Programs
Specialized Tree Equipment Operator	Shall be capable of operating two-handed equipment (chain saw, circular saw, and have the physical ability to endure extreme climate variances. Willing and able to obtain specialized training and certifications as required, such as tree species identification. Must be able to perform physical labor such as lifting a minimum of 50 lbs. to shoulder height or more.	N/A	0	0	145	N/A	145	N/A – Tree Work Training is not provided by PG&E.
(VMQC) Quality Management Auditor (PG&E Internal) *The title for contractors are in the process to change	Bachelor's degree in job-related discipline or equivalent experience. 3+ years of job-related experience. Valid CA Class C Driver's License or equivalent.	ISA Arborist. ISA Utility Specialist certification. ISA TRAQ. CPR/First Aid. OSHA 30.	60	50 = ISA Arborist; 24 = ISA Utility Specialist; 49 = ISA TRAQ; * Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	82	66 = ISA Arborist; 17 = ISA Utility Specialist; 60 = ISA TRAQ; * Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	142	Employees are profiled for training courses based on their roles.
(VMQC) Quality Management Auditor, Senior (PG&E Internal)	Bachelor's degree in job-related discipline or equivalent experience. 5+ years of job-related experience. ISA Arborist certification or ability to obtain it within 12 months. Valid CA Class C Driver's License or equivalent.	ISA Utility Specialist certification. ISA TRAQ. CPR/First Aid. OSHA 30.	26	22 = ISA Arborist; 10 = ISA Utility Specialist; 19 = ISA TRAQ; * Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	0	N/A	26	Employees are profiled for training courses based on their roles.
(VMQA) Program Manager (PG&E Internal) *The title for contractors are in the process to change	Bachelor's degree or equivalent experience. Job-related experience, 3 years minimum.	ISA Arborist. ISA Utility Specialist certification. ISA TRAQ.	8	8 = ISA Arborist; 6 = ISA Utility Specialist; 8 = ISA TRAQ; 4 = ASQ;* Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	0	N/A	8	Employees are profiled for training courses based on their roles.

TABLE 9-9:
VEGETATION MANAGEMENT QUALIFICATIONS AND TRAINING
(CONTINUED)

Worker Title	Minimum Qualifications for Target Role	Applicable Certifications	# of Electrical Corporation Employees With Min Quals	# of Electrical Corporation Employees with Special Certifications	# of Contracted Employees With Min Quals	# of Contractor Employees With Applicable Certifications	Total # of Employees	Reference to Electrical Corporation Training/ Qualification Programs
(VMQA) Program Manager, Senior (PG&E Internal)	Bachelor's degree in job-related discipline or equivalent experience. 5+ years of job-related experience. ISA Arborist certification or ability to obtain it within 12 months. Valid CA Class C Driver's License or equivalent.	ISA Utility Specialist certification. ASQ Certified Quality Auditor (CQA) certification. ISA TRAQ. CPR/First Aid.	2	2 = ISA Utility Specialist; 2 = ISA TRAQ;* Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	0	N/A	2	Employees are profiled for training courses based on their roles.
(VMQA) Compliance & Risk Consultant (PG&E Internal) *The title for contractors are in the process to change	Bachelor's degree in job-related discipline or equivalent experience. 3+ years of job-related experience. ISA Arborist certification or ability to obtain it within 12 months. Valid CA Class C Driver's License or equivalent.	ISA Utility Specialist certification. ASQ CQA certification. ISA TRAQ. CPR/First Aid.	3	2 = ISA Arborist; 2 = ISA TRAQ; * Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	4	4 = ISA Arborist; 1 = ISA Utility Specialist; 2 = ISA TRAQ; * Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	7	Employees are profiled for training courses based on their roles.
(VMQA) Compliance & Risk Consultant, Senior (PG&E Internal)	Bachelor's degree in job-related discipline or equivalent experience. 5+ years of job-related experience. ISA Arborist certification Valid CA Class C Driver's License or equivalent.	ISA Utility Specialist certification. ASQ CQA certification. ISA TRAQ. CPR/First Aid.	5	5 = ISA Utility Specialist; 3 = ISA TRAQ; * Note that due to the nature of the Credentials (Obtaining, expirations, renewals), the number is subject to changes.	0	N/A	5	Employees are profiled for training courses based on their roles.

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Note: Please note employee and contractor employee totals, as well as certifications may fluctuate.
(a) Updated in accordance with Energy Safety's issuance of Revision Notice at 21.

Attachment 14

Table 10-2: Environmental Monitoring Systems

System	Measurement/ Observation	Frequency	Purpose and Integration
Weather stations	• Sustained wind speed • Wind gust speed • Air temperature • Relative humidity	The standard frequency is six observations per hour. However, up to 120 observations per hour can be enabled on most stations.	• Improving situational awareness • Assisting with Public Safety Power Shutoff (PSPS) event execution • Improving weather forecasts through data assimilation by the Meteorological Assimilation Data Ingest System (MADIS) • Validating the performance of the weather models
Fuel moisture sampling and modeling	The percentage of moisture in collected samples of specific plant species from ~~30~~ 25 select HFTD locations across the service territory.	Once a month	• Validating the fuel moisture models • Improving situational awareness • Building robust historical fuel moisture datasets