

November 1, 2022

OFFICE OF ENERGY INFRASTRUCTURE SAFETY OF THE CALIFORNIA NATURAL RESOURCES AGENCY

**Subject: Pacific Gas and Electric Company’s Quarterly Notification Regarding the Implementation of Its Approved Wildfire Mitigation Plan and Its Safety Recommendations; Submitted Pursuant to Public Utilities Code Section 8389(e)(7), the Office of Energy Infrastructure Safety’s Compliance Operational Protocols, and Assembly Bill 1054**

Pacific Gas and Electric Company (PG&E) respectfully submits this Quarterly Notification detailing: (1) the status of its current wildfire mitigation plan; (2) recommendations of the most recent safety culture assessments; (3) recommendations of the Board of Directors’ safety committee meetings that occurred during the quarter; and (4) a summary of the implementation of any safety committee recommendations from the previous quarterly submittal. This Quarterly Notification is provided pursuant to California Public Utilities Code (PUC) Section 8389(e)(7) and the Office of Energy Infrastructure Safety’s (Energy Safety) *Compliance Operational Protocols*, issued on February 16, 2021 (Compliance Operational Protocols) and subsequently clarified on September 8, 2021 by Energy Safety.<sup>1</sup>

**Background**

On July 12, 2019, Governor Gavin Newsom signed Assembly Bill (AB) 1054 into law adding Section 8389(e)(7) to the PUC. As one of the conditions for the issuance of a safety certification, Section 8389(e)(7) — as amended by AB 148 — requires documentation of the following:

The electrical corporation is implementing its approved wildfire mitigation plan. The electrical corporation shall file a notification of implementation of its wildfire mitigation plan with the office and an information-only submittal with the commission on a quarterly basis that details the implementation of both its approved wildfire mitigation plan and recommendations of the most recent safety culture assessments by the commission and office, and a statement of the recommendations of the board of directors safety committee meetings that occurred during the quarter. The notification and information-only submittal shall also summarize the implementation of the safety committee recommendations from the electrical corporation’s

---

<sup>1</sup> Energy Safety issued “Submission of Safety Certification Request and Supporting Documents” on September 8, 2021, which, among other items, clarified Assembly Bill 148, effective as of July 22, 2021, updated PUC Section 8389(e)(7) to reporting requirements, notably that the Quarterly Advice Letter (QAL) will change in format but not content to the Quarterly Notification.

previous notification and submission. If the office has reason to doubt the veracity of the statements contained in the notification or information-only submittal, it shall perform an audit of the issue of concern. The electrical corporation shall provide a copy of the information-only submittal to the office.

On February 16, 2021, Energy Safety issued Compliance Operational Protocols which, in addition to the existing requirements established by Section 8389(e)(7), provide further guidance and requirements for electrical corporations' quarterly submissions. Specifically, the Compliance Operational Protocols standardize the quarterly submission dates across electrical corporations, describe the information and materials to be included in the Quarterly Notifications, and also require the submission of Wildfire Mitigation Plan (WMP) initiative progress in a separate document referred to as the Quarterly Initiative Update (QIU).

This Quarterly Notification submission provides the requested information for the third quarter (Q3) of 2022, pursuant to the statutory requirements and the Compliance Operational Protocols.<sup>2</sup>

### **Q3 2022 Update**

#### **WMP Regulatory Background and Scope of Quarterly Notification:**

PG&E submitted its 2022 WMP on February 25, 2022.<sup>3</sup> In our initial 2022 WMP filing, we described approximately 120 initiatives and provided 51 initiative targets for 2022 in Tables PG&E-5.3-1(A) and PG&E-5.3-1(B).<sup>4</sup> These initiative targets represent areas that “we believe will have the most significant impact on wildfire risk reduction.”<sup>5</sup>

As part of our responses to Energy Safety's June 6, 2022 Revision Notice to our WMP, we developed three additional initiative targets, increasing the total number of initiative targets to 54.<sup>6</sup> In addition, as part of our responses to the Revision Notice, we submitted responses to 13 critical issues identified by Energy Safety in our initial 2022 WMP submission. These responses and revisions to our WMP were then included in a Revised 2022 WMP, which was submitted to Energy Safety on July 25, 2022.

---

<sup>2</sup> Section 8389(e)(7) provides that an electrical corporation shall report on implementation of its approved wildfire mitigation plan. Although our 2022 WMP has not yet been approved, we understand that the Quarterly Notification should address the 2022 WMP, which we are currently implementing.

<sup>3</sup> PG&E's 2022 WMP is available at: [www.pge.com/wildfiremitigationplan](http://www.pge.com/wildfiremitigationplan).

<sup>4</sup> Revised 2022 WMP at pp. 278-308, 313.

<sup>5</sup> Revised 2022 WMP at p. 274.

<sup>6</sup> Two additional initiatives were created as part of our Revision Notice Responses, relating to our asset tag backlog, which are included beginning with this Q3 2022 reporting.

Our Q3 2022 QIU, which is being submitted concurrently with this Quarterly Notification, provides progress updates for these 54 initiative targets. Thus, this Quarterly Notification will focus on providing additional details associated with these initiative targets.

**2022 WMP Initiative Target Summary:**

A table of all 54 initiative targets, including the current status, is provided in Appendix 1. A summary of the status of these initiative targets, broken down by 2022 WMP area, is provided in Table 1 below. The Compliance Operational Protocols indicate that five pre-designated status categories should be used for each initiative target.<sup>7</sup>

**Table 1: Summary of 2022 WMP Initiative Targets**

2021 WMP Area	Completed	In Progress	Planned	Delayed	Cancelled	Total
A. Risk Assessment and Mapping	2	3				5
B. Situational Awareness and Forecasting	3	2		1		6
C. Grid Design and System Hardening	3	5		7		15
D. Asset Management and Inspections	6	4		1		11
E. Vegetation Management and Inspections	7	2		1		10
F. Grid Operations and Protocols	4					4
G. Data Governance		1				1
H. Resource Allocation Methodology	1					1
J. Stakeholder Cooperation & Community Engagement	1					1
<b>Total</b>	<b>27</b>	<b>17</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>54</b>

<sup>7</sup> Compliance Operational Protocols at p. 9 (indicating status should be: completed, in progress, planned, delayed, or cancelled).

### **Details of the 10 Delayed Initiative Targets:**

In this section, we provide information regarding the ten initiative targets that have been designated “Delayed” as of the end of Q3. In Tables PG&E-5.3-1(A) and PG&E-5.3-1(B) of the WMP, we provided a Unique ID for each initiative target.<sup>8</sup> Below, we have included the Unique ID, the name of the activity, a brief description of the activity, and the status.

**B.05 Early Fault Detection (EFD) – Installations:** This initiative target involves the installation of Early Fault Detection (EFD) sensors on two circuits feeding into High Fire Risk Areas (HFRA) or High Fire Threat District (HFTD) areas. Installation is in progress on two circuits, with estimation and permitting in progress for two additional circuits. We expect one circuit to be completed in October, one in November, and two in December. Delays were caused by longer than expected contract negotiations with the product vendor and delays in publishing installation standards for the estimation team to begin the designs. The installation standard was published in August and estimation and permitting work is in progress with escalated priority. We plan to meet the target of installing EFD on two circuits before the end of the year.

**C.04 Distribution Line Motorized Switch Operator (MSO) – Replacements:** This initiative target involves the replacement of at least 50 of the 104 remaining Motorized Switch Operators (MSO) that are located within, or are energizing line sections that feed into, HFRA or HFTD areas. The program fell behind the year-to-date target of 39 with 20 units completed as of the end of Q3. The delay was driven by material availability limitations and focusing resources on the higher priority EPSS program implementation during Q1 to Q3. Additionally, limited clerical resources were available after a transition in PSPS Operation Support in late September, causing delays in commissioning and SAP transaction completions. However, we have prioritized completion of this work and the program is expected complete the required 50 MSO replacement before year end.

**C.05 SCADA Recloser Equipment – Installations:** This initiative target involves the installation of 17 substation SCADA enabled reclosers on circuits serving line sections that feed into HFRA or HFTD areas, barring any exceptions due to connectivity issues necessary to SCADA-enable the recloser. The program is behind the year-to-date target of 13 units installed, with 8 units completed as of the end of Q3. The delay was the result of material and resource priority being given to the new PSPS sectionalizing devices target, which was due by September 1, 2022, and to devices in support of EPSS. We have re-prioritized this work and are expecting to complete all installations before the end of the year.

**C.06 Fuse Savers (Single Phase Reclosers) – Installations:** This initiative target involves the installation of 80 single phase recloser sets in HFRA or HFTD areas. The program is behind the YTD target of 63 with 27 units completed as of the end of Q3. The

---

<sup>8</sup> See Revised 2022 WMP at pp. 278-308, 313.

delay is driven by skilled resource<sup>9</sup> and material priority being given to the new PSPS sectionalizing devices target, which was due by September 1, 2022, and to devices in support of EPSS. Additionally, due to process changes, IT/Electrical Business Systems has been unable to support SCADA screen builds, which caused delays in commissioning. Despite these delays, this program is expected complete the required 80 installations before the end of the year.

**C.07 Temporary Distribution Microgrids:** This initiative target is to make operationally ready at least four additional Distribution Microgrid Pre-Installed Interconnection Hubs (PIHs). One additional microgrid was constructed in Q3, but it did not become operationally ready by the end of Q3. The root cause of this delay was resource constraints and competing priorities. However, the aforementioned microgrid and three additional microgrids are expected to be operationally ready in October, and we anticipate the target of making four microgrids operationally ready will be completed before the end of the year.

**C.09 Emergency Back-up Generation – Equip PG&E Service Centers & Materials Distribution Centers:** This initiative target is to equip 15 PG&E Service Centers or Materials Distribution Centers sites with emergency back-up generation to allow the sites to operate with the same amount of functionality as they would if they were being fed from their normal utility power source. We are behind the year-to-date target of 13 with 12 units completed as of the end of Q3. In Q3, we completed cutovers on three sites. The primary factor for the delay was the Sac Metro Air Quality Management District (SMAQMD) requirement of additional Tier 4 emissions testing for approval to install and operate. We performed this test in August and are waiting on approval from SMAQMD prior to tearing down the Tier 4 retrofit genset and shipping it to site. We are currently working with our internal Air Quality Specialist, the vendor, and SMAQMD to achieve satisfactory results needed for formal Authorization To Construct approval.

**C.10 10K Undergrounding:** This initiative target involves the completion of at least 175 circuit miles of undergrounding work. The 175-circuit mile target includes undergrounding taking place as part of both System Hardening (Section 7.3.3.17.1), Butte County Rebuild efforts (Section 7.3.3.17.6),<sup>10</sup> and any other undergrounding work performed in HFTD, or fire rebuild areas. The program fell behind the year-to-date target of 131 with 99.5 units completed: 70.6 from System Hardening Undergrounding and 28.9 from Butte Rebuild undergrounding. The scoping of the 2022 Undergrounding miles was not completed in a timely manner, which resulted in delays in August in getting work to estimating and into

---

<sup>9</sup> The primary limited resource group in question are our Distribution Line Technicians (or DLTs), a highly skilled team needed to install, maintain, and adjust high tech and SCADA enabled distribution line devices like reclosers and fuse savers. Due to the training needed and specific skills required for this resource group it is also very difficult to acquire workers via contract or otherwise increase this workforce in the near term.

<sup>10</sup> This includes a small volume of previously hardened overhead lines that are being placed underground.

construction. A project-by-project plan is being executed and the program is expected to complete this commitment before end of year.

**C.11 System Hardening – Distribution:** This initiative target involves the completion of at least 470 circuit miles of system hardening work which includes overhead system hardening, undergrounding, and removal of overhead lines in HFTD or buffer zone areas.<sup>11</sup> The program is behind the year-to-date target of 375 with 369.4 miles completed as of the end of Q3. We are expecting to achieve the 470-mile end of year target with 130.9 miles currently in construction and another 4.3 miles ready for construction. The scoping of the 2022 Undergrounding miles was not completed in a timely manner resulting in delays in August in getting work to estimating and into construction. A project-by-project plan is being executed and the program is expected to complete this commitment before the end of the year.

**E.05 Vegetation Management – Quality Assurance / Quality Verification:** This initiative involves the completion of a defined number of Quality Assurance audits and Quality verification Reviews with the Acceptable Quality Level (AQL) of 95%. The number of audits and reviews targeted to be completed by year end are all either met or on track, however, one of the QA AQL and three of the QV AQLs are currently below 95%:

- QAVM Process Audits – Off Track with Pass Rate of 88%;
- QVVM Distribution – Off Track with Pass Rate of 91.4%;
- QVVM Pole Clearing – Off Track with Pass Rate of 89.59%;
- QVVM Transmission – Off Track with Pass Rate of 94.32%.

For context, the scope of this target was expanded as a result of new requirements as part of our 2022 Revision Notice. Specifically, a minimum of 95% AQL targets for each quality audit and verification type as well as additional requirements for QV were added. Please note that we are required to report out on the AQL for QA process audits as a result of the Revision Notice, process audits typically do not have an AQL metric associated with them as there is no standard measure, therefore the score was the percentage of correctly documented interface points.

The Vegetation Management team is in the process of working with the Quality Management and CWSP PMO teams to evaluate the issue and determine if meeting 95% AQL levels is mathematically possible based on the number of reviews remaining in the year.

**D.10 HFTD/HFRA Open Tag Reduction - Distribution:** This initiative target involves the closure of a minimum of 55,000 HFTD or HFRA distribution tags in PG&E's workplan as of June 30, 2022, barring external factors. Please note that our 2022 tag population includes both ignition and non-ignition risk tags in alignment with our quarterly and annual WMP target language. In Q3, D.10 was created as a target as a result of the 2022 Revision Notice. Additional tags have been brought into the latest workplan as they are

---

<sup>11</sup> Miles tracked in this initiative excludes any mileage tracked as part of our Butte County Rebuild efforts (Section 7.3.3.17.6).

deemed essential. We completed 40,619 distribution tags against the Q3 year-to-date target of 41,250. Delays were due to work verification and clerical delays in processing the work orders in SAP, however, we expect to be back on track with the original plan by the end of November.

**Initiative Data Validation Issues:**

The Revised 2022 WMP includes two pole clearing targets. The initial pole clearing target was established in initiative target E.02 and includes inspection and clearing, where clearing is needed, of all poles not covered under California Public Resources Code (PRC) § 4292 but within the Local Responsibility Areas (LRA), HFTD, and HFRA, barring external factors. The second pole clearing target was established through Energy Safety's Revision Notice. In response to the Revision Notice, initiative target E.10 was established as a target to inspect and clear, where clearance is needed, distribution poles subject to PRC § 4292 in State Responsibility Areas (SRA), barring external factors or poles that are exempt under 14 California Code of Regulations (CCR) 1255.

For initiative target E.02, our Pole Clearing program completed inspection and clearing, where clearing is needed, of 8,356 poles cumulatively within the current annual inspection cycle. The language in the initiative target focuses on all poles identified in PG&E's Vegetation Management Database as of October 1, 2021, in HFTD areas or HFRA, not required by PRC 4292 and barring External Factors. However, as a result of challenges in our legacy recordkeeping system, we were unable to establish a precise baseline pole population as of October 1, 2021. To validate the pole population and completion of initiative target E.02, our pole clearing team captured the data in the legacy system as of April 4, 2022 and reviewed the inspection records that had taken place from October 1, 2021 (the start of the program) to April 4, 2022. This created the baseline database of poles for validating completion of the initiative target. Based on this approach, we believe that we have completed initiative target E.02.

We plan to make improvements to our legacy system to better track the number of poles in our database and that are inspected and cleared as a part of our Pole Clearing program. We are developing a process to address documentation gaps identified in 2022 until our legacy system and program has transitioned to the One Veg technology tool.

## **Implementation of PG&E's 2021 Safety Culture Assessment**

Our 2021 Safety Culture Assessment was issued by Energy Safety on October 6, 2021. The Safety Culture Assessment evaluated our personal and wildfire safety culture through execution of a workforce survey, management self-assessments, and interviews. The 2021 Safety Culture Assessment provided the following six recommendations for us to act upon:

1. Build leadership skills and ensure frontline supervisors are demonstrating those skills regularly in the field to improve the work environment for wildfire and personal safety.
2. Establish a governance structure to ensure effective implementation and tracking of the 2025 Workforce Safety Strategy.
3. Execute the strategy with active leadership by senior executives to ensure implementation.
4. Leverage the new safety management system to improve the flow of information up, down, and across the organization and provide a single mechanism for reporting and tracking wildfire concerns.
5. Increase engagement on the safety culture assessment within the workforce supporting wildfire mitigation initiatives.
6. Recognize and take action to mitigate the safety concerns posed by interactions with certain discontented members of the public.

On October 22, 2021, we formally notified Energy Safety that we agreed to implement all the findings and recommendations identified in the Safety Culture Assessment and committed to work with Energy Safety and its third-party contractor, DEKRA, to facilitate their implementation.

During Q3, some of the actions we completed to advance the implementation of the recommendations from the 2021 Energy Safety Culture Assessment include:

- Pursuant to recommendation # 1, as part of SIF prevention, we completed the “100 Days of Keys to Life” campaign which provided a weekly toolkit to frontline supervisors to facilitate conversation in the field and during daily operating reviews with crews on the Keys to Life.
- Pursuant to recommendation #1, initiated our new weekly safety call for all coworkers in Electric Operations to discuss recent serious incidents and lessons learned.
- Pursuant to recommendation #1, developed framework for the new Leadership Development Program which will be implemented in 2023 for all company leaders.
- Pursuant to recommendation #2, the progress against the plan is reviewed and discussed at the Safety and Risk monthly operating review which is led by the Chief Safety and Risk Officer.



- Pursuant to recommendation #3, we developed a standard dashboard to facilitate consistent updates on the Safety Strategy to the Safety and Nuclear Oversight Committee of the Board of Directors.
- Pursuant to recommendation #3, tactical implementation plans, which makeup the safety strategy, are reviewed during the safety weekly operating review and includes review by the executive leadership team.
- Pursuant to recommendation #4, the PG&E Safety Excellence Management System (PSEMS) Policy, SAFE-01, was published on September 12, 2022.
- Pursuant to recommendation # 4, the PSEMS Manual is in development and was sent to Lloyd's Register on October 17, 2022 for review and verification that it meets the requirements defined in ISO 45001, ISO 55001 and API 1173. We are targeting a March 31, 2023, publication date for the manual.
- Pursuant to recommendation # 4, Lloyd's Register will also conduct a pre-assessment in the first half of 2023 on the enterprise to verify compliance to PSEMS. A list of gaps will be published, and Enterprise Safety and the lines of business will be required to develop a gap closure plan.
- Pursuant to recommendation # 5, participation results for Energy Safety's 2022 Safety Culture Assessment survey are being finalized. While the final response rate is not yet determined, initial review shows a minimum of 35% coworker participation which is a 75% improvement compared to 2021 response rates.
- Pursuant to recommendation # 6, we began pilot of Nisource Blackline Personal Protection Device program which provides lone workers a personal tracking device and alert system to trigger emergency assistance if needed.

Additionally, included as Attachment A, we are providing the Safety Culture and Governance quarterly report detailing our progress towards implementing the recommendations by NorthStar Consulting Group from their assessment of our safety culture for the California Public Utilities Commission (Commission) in the May 8, 2017 NorthStar Report and the 2019 First Update. On September 16, 2022, we received the NorthStar Final Update and provided opening comments to the Commission on October 7, 2022 and reply comments on October 21, 2022. These comments provide detail on our implementation of NorthStar's safety culture recommendations.

We remain dedicated to continually improving our safety culture and will continue to provide further information on our progress each quarter.

### **Board of Directors' Safety and Nuclear Oversight Committee – Q3 2022 Update**

The PG&E Board of Directors' Safety and Nuclear Oversight (SNO) Committee is an important part of our Board-level oversight of safety, enterprise risk, and other matters. A SNO Committee also concurrently exists at the PG&E Corporation Board (together referred to as the SNO Committees).

This section describes the oversight activities of the SNO Committees and is organized as follows:

- 1) Safety Topics Covered in SNO Committees' Meetings; and
- 2) Recommendations of the SNO Committees and Management Implementation.

### **Safety Topics Covered in SNO Committee Meetings**

During the third quarter of 2022, the SNO Committees held a meeting on September 15th. The SNO Committees received an update on the enterprise safety strategy; reviewed safety performance, including nuclear safety; and received updates on the Enhanced Vegetation Management program. The Committees examined two key enterprise risks: (1) natural gas loss of containment; and (2) large uncontrolled water release, including a Dam Safety Advisory Board briefing. Additionally, the Committees reviewed the annual Security Strategy and topics related to cybersecurity risk.

### **Recommendations of Boards of Directors' Safety Committee Meetings During Q3 2022**

There is an ongoing dialogue between the Chair of the SNO Committees (which includes feedback of the Committees members) and management, with frequent engagement around the implementation of the workforce safety strategy, safety performance updates, and corrective actions in the normal course of business. In addition, the SNO Committees made the following specific, safety-related recommendations to management during the third quarter of 2022:

- To benchmark against other large transmission operators on how to best address induction risk; and
- To recommend revisiting/strengthening our best safety coaching practices.

### **Management Implementation of Recommendations Described in Q2 2022 Quarterly Notification**

The following summarizes actions that management has taken to implement guidance and direction from the SNO Committees that was described in our Quarterly Notification for the second quarter of 2022.

- Recommendation # 1: Continue efforts to strengthen work quality/work verification in the EVM CAP program, including improving our first-pass rate.

Management's response: We provided an update on quality work verification and first-pass rate in the October 25, 2022 SNO Committee meeting.

Recommendation # 2: Assess whether we have insight into contractor fatigue and whether that could be causing safety incidents.

Management's response: PG&E conducted analysis on contractor fatigue and its correlation to incidents, which has produced our Contractor Risk Matrix. Our Contractor Risk Matrix factors hours worked and occurrence of incident or high-risk findings to risk rank contactors performing work on behalf of PG&E.



**APPENDIX 1: 2021 WMP Initiative Targets**

Plan Area	2022 WMP Targets – <sup>12</sup> (progress as of 06/30)			
A. Risk Assessment and Mapping	A.01 - Distribution Modeling Enhancements - Equipment Failure and Contact From Object	A.02 - Transmission Modeling Enhancements - Threat and Hazard Risk Drivers	A.03 - PSPS Consequence Model	A.04 - Wildfire Consequence Model Enhancements - Ingress/Egress
	A.05 - Wildfire Consequence Model Enhancements - Resistance to Control			
B. Situational Awareness and Forecasting	B.01 - FPI and OPW Modeling - Revision Evaluation	B.02 - Weather Stations - Installations and Optimizations	B.03 - High-Definition Cameras - Installation	B.04 - Distribution Fault Anticipation (DFA) - Installations
	B.05 - Early Fault Detection (EFD) - Installations	B.06 - Line Sensor - Installations		
C. Grid Design and System Hardening	C.01 - Expulsion Fuse - Removal	C.02 - Distribution Sectionalizing Devices - Install and SCADA commission	C.03 - Transmission Line Sectionalizing - Install and SCADA commission	C.04 - Distribution Line Motorized Switch Operator (MSO) - Replacements
	C.05 - SCADA Recloser Equipment - Installations	C.06 - Fuse Savers (Single Phase Reclosers) - Installations	C.07 - Temporary Distribution Microgrids	C.08 - Rincon Transformer Fuse - Replacement
	C.09 -Emergency Back-up Generation -- Equip PG&E Service & Materials Distribution Centers	C.10 - 10k Undergrounding	C.11 - System Hardening - Distribution	C.12 - System Hardening - Transmission
	C.13 - Surge Arrestors Removal	C.14 - Remote Grid - Operate New SPS Units	C.15 Butte County Rebuild - Undergrounding	
D. Asset Management and Inspections	D.01 - Detailed Inspections - Distribution HFTD Inspections (poles)	D.02 - Detailed Inspection Transmission – Ground	D.03 - Detailed Inspection Transmission – Climbing structures)	D.04 - Detailed Inspection Transmission – Aerial
	D.05 - Infrared Inspections - Distribution HFTD	D.06 - Supplemental Inspections - Substation Distribution HFTD	D.07 - Supplemental Inspections - Substation Transmission	D.08 - Supplemental Inspections - Hydroelectric Substations and Powerhouses

<sup>12</sup> Red dotted outline = Target is partially or completely due prior to the end of 2022 (12/31). Status color: Blue = “Completed on Time” - pending validation; Green = “On Track” – meets external Target; Amber = “At Risk” - not meeting external Target and has an approved catch back plan; Red = “Off Track / Missed” – not meeting external Target and does not have an approved catch back plan.

Plan Area	2022 WMP Targets – Continued			
	D.09 - Asset Inspections - Quality Assurance	D.10 HFTD/HFRA Open Tag Reduction – Distribution	D.11 HFTD/HFRA Open Tag Reduction - Transmission	
E. Vegetation Management and Inspections	E.01 - Enhanced Vegetation Management	E.02 - Pole Clearing Program	E.03 - LiDAR Ground Inspections – Distribution	E.04 - LiDAR Routine Inspections - Transmission
	E.05 - Vegetation Management - Quality Assurance	E.06 - Defensible Space Inspections - Distribution Substation	E.07 - Defensible Space Inspections - Transmission Substation	E.08 - Defensible Space Inspections - Hydroelectric Substations and Powerhouses
	E.09 - Utility Defensible Space - Distribution	E.10 Pole Clearing in State Responsibility Areas (SRA)		
F. Grid Operations and Protocol	F.01 - EPSS - Settings Design and Test	F.02 - EPSS - Install Settings on Distribution Line devices	F.03 - EPSS - Develop Enablement Standards and Procedures	F.04 - EPSS - Reliability Improvements
G. Data Governance	G.01 - Data Governance - Identify and Centralize High Priority Data			
H. Resource Allocation Methodology	H.01 - Risk Spend Efficiency - Develop and Share Governance Process			
J. Stakeholder Cooperation and Community Engagement	J.01 - Community Engagement - Meetings			

## **Attachment A**

---

**PACIFIC GAS AND ELECTRIC COMPANY**  
**SAFETY CULTURE AND GOVERNANCE QUARTERLY REPORT**

**NO. 16-2022**

**IN COMPLIANCE WITH CPUC DECISION 18-11-050**

**SUBMITTED OCTOBER 31, 2022**

---



PACIFIC GAS AND ELECTRIC COMPANY  
SAFETY CULTURE AND GOVERNANCE QUARTERLY REPORT  
NO. 16-2022  
IN COMPLIANCE WITH CPUC DECISION 18-11-050  
SUBMITTED OCTOBER 31, 2022

TABLE OF CONTENTS

I.	Introduction .....	1
II.	Q3 SIF Actual Review.....	2
III.	Conclusion.....	3
	APPENDIX.....	5
IV.	Sustainability Update .....	5
	A. Ongoing Execution and Sustainability .....	5
	B. Additional NorthStar Recommendations .....	7
	C. Changes to PG&E Execution of Plans .....	10
V.	Board of Directors Reporting .....	11
	A. BOD and SNO Committee Meeting Minutes .....	11
	B. BOD Safety-Related Training.....	12
VI.	Safety Strategy and Performance Update .....	12
	A. Safety Strategy Update .....	12
	B. Safety Metrics .....	17
	C. Conclusion .....	20



**PACIFIC GAS AND ELECTRIC COMPANY  
SAFETY CULTURE AND GOVERNANCE QUARTERLY REPORT  
NO. 16-2022  
IN COMPLIANCE WITH CPUC DECISION 18-11-050**

**I. Introduction**

Pacific Gas and Electric Company (PG&E or the Company) submits this sixteenth Safety Culture and Governance Quarterly Report (Report) in compliance with California Public Utilities Commission (CPUC or Commission) Decision (D.) 18-11-050.

This Report provides an update on PG&E's ongoing execution and sustainability of NorthStar's recommendations for the third quarter of calendar year 2022. Additionally, this Report discusses the Board of Directors (BOD) safety training, education, and support for this same time period, and the 5-Year Safety Strategy and associated safety performance metrics.

**Everyone and Everything is Always Safe**

PG&E's safety stand is "Everyone and Everything Is Always Safe." This includes our coworker and contractor workforce, as well as the public. We remain committed to building an organization where every work activity is designed to facilitate safe working conditions and every member of our workforce is encouraged to speak up if they see an unsafe or at-risk condition with the confidence that their concerns and ideas will be heard and addressed. We strive to be the safest, most reliable gas and electric company in the United States.

**Leadership Changes**

In July, the following senior leadership changes occurred:

- Janisse Quiñones, transitioned from Senior Vice President, Gas Engineering, to Senior Vice President, Electric Operations. Janisse joined PG&E last year with more than two decades of utility industry experience. Janisse succeeded Wade Smith, who accepted a role at another West Coast utility.
- Christine Cowsert Chapman, Vice President, Electric Engineering, Asset and Regulatory, succeeded Janisse as Senior Vice President, Gas Engineering. Christine has more than 20 years with PG&E, most of that in Gas Operations and Engineering.
- Martin Wyspianski, Senior Director, Electric & Gas Acquisition, succeeded Christine as Vice President, Electric Engineering, Asset and Regulatory.

Also in July, Joe Forline, PG&E's Senior Vice President of Gas Operations was named to the Golden Shovel Association (GSA) Board of Directors. GSA is a nationally recognized organization committed to improving public and workforce safety by focusing on the protection of underground infrastructure.

Mark Quinlan, PG&E's Vice President of Transmission & Distribution Operations, joined the Board of Directors of the Bay Area Chapter of the American

Red Cross. The Red Cross provides relief to those impacted by disasters and to empower communities to prepare for, respond to, and recover from emergencies.

In September, several leadership and organizational changes were announced to position PG&E to best serve our customers and achieve our purpose.

- Gillian Clegg was promoted to Vice President, to lead Energy Policy & Procurement upon the planned retirement of Fong Wan. Mr. Wan is planning to retire at the end of the year after almost 35 years with PG&E.
- Aaron August was named as Vice President of the new Utility Partnerships and Innovation team.
- David Leach, currently Chief Data & Analytics Officer, was also named as Chief Information Security Officer and Vice President of the combined Enterprise Protection, Data & Analytics department.
- Shilpa Ramaiya was appointed Vice President, Regulatory Proceedings and Rates.

## **Business Highlights**

On September 2, 2022, the Governor signed into law Senate Bill 846, which supports the extension of the Company's operations at Diablo Canyon Power Plant until 2030, five years beyond its current licenses. In addition, PG&E filed an application for federal funding through the United States Department of Energy's Civil Nuclear Credit program and will begin the process of seeking re-licensing with the Nuclear Regulatory Commission.

On September 28, 2022, PG&E announced it had formed a subsidiary company, Pacific Generation LLC, to own its non-nuclear power generation assets. PG&E submitted an application with the CPUC for approval to transfer its non-nuclear generation assets into the subsidiary company, which would be regulated by the CPUC. PG&E contemplates selling a minority stake in Pacific Generation, which would provide an efficient source of equity financing to help PG&E fund wildfire risk mitigation and clean energy investments, among other things. PG&E coworkers will continue to operate these facilities safely and reliably, just as they do now. In addition, no job changes are foreseen for coworkers resulting from this transaction and PG&E projects no impact on customer bills.

On September 27, 2022, PG&E launched a Joy at Work survey inviting coworkers to share their thoughts on whether they enjoy working for PG&E and what can be done to make our stand "It is Enjoyable to Work for PG&E" true for all.

## **II. Q3 SIF Actual Review**

On September 30, 2022, a Stockton electric crew foreman was injured while attempting to disconnect a Hogg & Davis Hydra 985 trailer from a PG&E Bucket Truck in a Stockton residential area. The electric crew foreman was hauling a Hogg Davis Hydra 985-reel trailer with a bucket truck to a jobsite for an emergency cable replacement. Once onsite, the foreman approached the passenger-side rear area of the bucket truck to disconnect the reel trailer from the vehicle so the trailer could be driven into position to pull cable. The foreman turned on the ignition and started the reel trailer's motor to supply air to the tanks so they could release the trailer's brakes. The foreman then turned to the hitch of the bucket truck to open the safety

latch, but did not notice that upon starting the motor, the trailer's front drive wheel was in motion when it was being lowered to the ground. The foreman's left-hand middle and ring finger were in the pinch point of the pintle hitch and trailer eye.

As the trailer's drive wheel contacted the ground it raised the trailer's tongue, smashing the foreman's middle and ring fingers. The foreman immediately pulled his hand back and yelled for help. A second crew foreman on the jobsite came to aid him and contacted emergency services. A lineman and other crew members rendered first aid until medics arrived on scene. The injured foreman was transported to the hospital and his middle fingertip was amputated between the nail and first knuckle. As of the week of October 17, 2022, the coworker remains off work and continues to receive medical treatment.

On August 24, 2022, a vegetation management contract crew was performing work in Boulder Creek in Santa Cruz County. The crew was removing the top of a Douglas fir with rigging attached to an adjacent redwood tree. An arborist crew member was working aloft in the Douglas fir with his primary fall protection secured to the same adjacent redwood tree used to attach the rigging. The force applied by the falling top of the Douglas fir caused the adjacent redwood tree to fail. As a result, the arborist's primary safety line was compromised, resulting in fatal injuries to the arborist. A PG&E serious injury and fatality (SIF) investigation is in progress.

On August 11, 2022, a contract crew was replacing insulators on the Round Mountain-Table Mountain #1 500kV circuit near Red Bluff. The crew conducted a tailboard with all crew members and helicopter personnel. A journey level line worker was working on the westernmost side of the tower and began to unpin the idler (jumper/suspension) string insulators for removal. During the removal of the idler string insulators, an induction-related incident occurred, and the crew saw the coworker slump down into their fall protection harness. A crew member called the hovering helicopter and immediately extracted the coworker to the landing zone, where CPR was initiated. The coworker was then transported to Saint Elizabeth Community Hospital in Red Bluff for evaluation. PG&E filed an Electric Incident Report with the Commission related to this incident. The contract partner is doing well and has returned to full duty.

On July 5, 2022, a PG&E crew was tasked with reinsulating a dead-end tower on the Diablo-Mesa 230KV transmission line. They utilized a helicopter to access the remote job site. While working on the equipment, a coworker made electric contact. A second coworker pulled the employee away from the energized source. The employee was taken down from the tower and flown to the landing zone and transported by EMS to Sierra Vista Regional Medical Center, treated for injuries to both hands, and then relocated to Fresno Community Hospital for further treatment. PG&E filed an Electric Incident Report with the Commission related to this incident. The coworker was initially off work and has been released to return to modified work on October 20, 2022, with continuing medical treatment.

### **III. Conclusion**

Consistent with PG&E's previous quarterly Reports, the report includes an update on the 5-Year Safety Strategy progress, including third quarter 2022 safety performance. PG&E also certifies the ongoing execution of NorthStar's recommendations.

Attachment 1 to this Report includes approved BOD and Safety and Nuclear Oversight (SNO) Committee meeting minutes.

PG&E recognizes and remains committed to improving safety culture and safety performance. Our focus is on building an accountable, transparent organization that embraces raising issues and ideas, and acts upon resolving them. PG&E is moving quickly to sustain the progress we have made with the company's revamped safety strategy and to continue identifying gaps and improvement opportunities to eliminate SIF incidents.

## APPENDIX

### IV. Sustainability Update

#### A. Ongoing Execution and Sustainability

PG&E continues to execute on NorthStar's recommendations and has verified the sustainability of its Safety OII plans for the period of July 1, 2022, through September 30, 2022.

Compliance certifications for the third quarter of 2022 are shown in Table 1 below, and the status of the additional NorthStar recommendations is provided in Table 2.

**TABLE 1  
MATRIX OF SUSTAINABILITY PLANS**

Line No.	PG&E Implementation Plan	Certification Due Date	Certification Status <sup>(a)</sup>	Approver	Initial Implementation
1	Safety Culture and Governance OII - F-2 _Supv in the Field includes V-4	9/30/2022	Certified	Jan Nimick	Report No. 04-2019
2	Safety Culture and Governance OII - F-3_SLD_includes VIII-1	9/30/2022	Certified		Report No. 03-2019 Report No. 03-2019
3	Safety Culture and Governance OII - F-4 _Comprehensive Safety Strategy includes III-2_III-3_V-3	9/30/2022	Certified	Sumeet Singh	Report No. 01-2018
4	Safety Culture and Governance OII - F-5 _Best Practice Coordination includes IV-5_IV-6_IV-7_V-1_V-2_V-5	9/30/2022	Certified		Report No. 01-2018
5	Safety Culture and Governance OII - III-1 _Board Qualifications	9/30/2022	Certified	Brian Wong	Report No. 01-2018
6	Safety Culture and Governance OII - IV-2 _CSO Org position	9/30/2022	Certified	Brian Wong	Report No. 01-2018
7	Safety Culture and Governance OII - F-1_OII Implementation Plan	9/30/2022	Certified	Sumeet Singh	Report No. 01-2018
8	Safety Culture and Governance OII - IX-1 _Safety Communication	9/30/2022	Certified		Report No. 01-2018
9	Safety Culture and Governance OII - IX-2 _Safety Culture Metrics	9/30/2022	Certified		Report No. 01-2018
10	Safety Culture and Governance OII - IX-3 _Reach Every Employee	9/30/2022	Certified		Report No. 01-2018
11	Safety Culture and Governance OII - III-5 _IA Safety Role	9/30/2022	Certified	Stephen Cairns	Report No. 01-2018
12	Safety Culture and Governance OII - IV-3 _Safety Dept Roles and Responsibilities includes IV-4	9/30/2022	Certified	Sumeet Singh	Report No. 01-2018
13	Safety Culture and Governance OII - IV-1 _CSO Experience	9/30/2022	Certified	Sumeet Singh	Report No. 01-2018
14	Safety Culture and Governance OII - VI -1 _Separate Safety Expenditures-RAMP	9/30/2022	Certified	Stephanie Williams	Report No. 01-2018

**TABLE 1  
MATRIX OF SUSTAINABILITY PLANS  
(CONTINUED)**

Line No.	PG&E Implementation Plan	Certification Due Date	Certification Status <sup>(a)</sup>	Approver	Initial Implementation
15	Safety Culture and Governance OII - VI - 2 _ Safety IPP includes III-4	9/30/2022	Certified		Report No. 02-2019
16	Safety Culture and Governance OII - VI -3 _Risk and Bus Case Planning	9/30/2022	Certified		Report No. 02-2019
17	Safety Culture and Governance OII - VI -4 _PPM for Power Gen	9/30/2022	Certified		Report No. 03-2019
18	Safety Culture and Governance OII - VI -5 _Session D Link to Sessions 1 and 2	9/30/2022	Certified		Report No. 02-2019
19	Safety Culture and Governance OII - VII-1 _STIP and LTIP Metrics includes VII-4_ VII-5	9/30/2022	Certified		Report No. 02-2019
20	Safety Culture and Governance OII - VII-2 _Former STIP metric tracking	9/30/2022	Certified	Stephanie Williams	Report No. 01-2018
21	Safety Culture and Governance OII - VII-3 _LTIP Safety Weight	9/30/2022	Certified		Report No. 02-2019
22	Safety Culture and Governance OII - VII-6 _BPR Metrics	9/30/2022	Certified	Stephanie Williams	Report No. 01-2018
23	Safety Culture and Governance OII - VII-7 _Expanded Best Practice Sharing	9/30/2022	Certified	Sumeet Singh	Report No. 02-2019
24	Safety Culture and Governance OII - VIII-10 _PwrGen Training Completion	9/30/2022	Certified		Report No. 01-2018
25	Safety Culture and Governance OII - VIII-11 _PwrGen Refresher Training	9/30/2022	Certified		Report No. 03-2019
26	Safety Culture and Governance OII - VIII-2 _Field-first Training Profiles	9/30/2022	Certified		Report No. 03-2019
27	Safety Culture and Governance OII - VIII-3 _SLD 360	9/30/2022	Certified	Sumeet Singh	Report No. 01-2018
28	Safety Culture and Governance OII - VIII-4 _Mandatory Refresher Training	9/30/2022	Certified		Report No. 03-2019
29	Safety Culture and Governance OII - VIII-5 _Human Performance Training	9/30/2022	Certified		Report No. 03-2019
30	Safety Culture and Governance OII - VIII-6 _OQ Status Reporting	9/30/2022	Certified		Report No. 01-2018
31	Safety Culture and Governance OII - VIII-7 _2014 OQ Review	9/30/2022	Certified		Report No. 03-2019
32	Safety Culture and Governance OII - VIII-9 _PwrGen Apprentice Program	9/30/2022	Certified		Report No. 03-2019
33	Safety Culture and Governance OII - X-1 _SEMS-CAP Integration	9/30/2022	Certified		Report No. 01-2018
34	Safety Culture and Governance OII - X-2 _CAP-NH Costs and Benefits	9/30/2022	Certified		Report No. 01-2018

**TABLE 1  
MATRIX OF SUSTAINABILITY PLANS  
(CONTINUED)**

Line No.	PG&E Implementation Plan	Certification Due Date	Certification Status <sup>(a)</sup>	Approver	Initial Implementation
35	Safety Culture and Governance OII - X-3 _CAP-NH Reporting Benefits	9/30/2022	Certified		Report No. 01-2018
36	Safety Culture and Governance OII - X-4 _IA Review of Serious Incident Investigations	9/30/2022	Certified		Report No. 01-2018
37	Safety Culture and Governance OII - X-5 _WGE Documentation Improvement	9/30/2022	Certified		Report No. 01-2018
38	Safety Culture and Governance OII - X-6 _Central Repository for Investigation info	9/30/2022	Certified		Report No. 01-2018
39	Safety Culture and Governance OII - X-7 _ Safety Communication Protocol	9/30/2022	Certified		Report No. 01-2018
40	Safety Culture and Governance OII - X-8 _Cause Evaluation Process includes X-9	9/30/2022	Certified		Report No. 02-2019
41	Safety Culture and Governance OII - XI-1 _ Surprise Inspections for Cont Safety	9/30/2022	Certified		Report No. 01-2018
42	Safety Culture and Governance OII - XI-2 _Solely Responsible Cont Language	9/30/2022	Certified	Brooke Reilly	Report No. 01-2018
43	Safety Culture and Governance OII - XI-3 _Cont Incident Closure Criteria	9/30/2022	Certified		Report No. 01-2018
44	Safety Culture and Governance OII - XI-4 _Cont Safety best Practice Sharing	9/30/2022	Certified		Report No. 02-2019
45	Safety Culture and Governance OII - XI-5 _LOB Guidelines for Cont Safety	9/30/2022	Certified		Report No. 02-2019
46	Safety Culture and Governance OII - XI-6 _PwrGen Contractor On-boarding	9/30/2022	Certified		Report No. 01-2018
47	Safety Culture and Governance OII - V-6 _Reduce Overall Mileage	9/30/2022	Certified		Report No. 02-2019

(a) MetricStream compliance certification status.

Note: Additional recommendations from NorthStar’s Report – First Update (March 29, 2019) are certified in MetricStream under the plans in scope for the assessment (F-1, F-2, F-3, F-4, III-1, and IX-1). The table excludes “IX-4 Speak-up Effectiveness” and “VIII-8 OQ Feasibility Study,” which do not require ongoing actions.

**B. Additional NorthStar Recommendations**

At the request of SED, NorthStar performed a secondary assessment of six PG&E Safety OII plans, established in response to recommendations from NorthStar’s original report,<sup>1</sup> and included a set of additional recommendations in the NorthStar Report - First Update.<sup>2</sup> PG&E agreed with the additional

<sup>1</sup> NorthStar Report, issued on May 8, 2017.

<sup>2</sup> NorthStar Report – First Update, issued on March 29, 2019.

recommendations and embraced the opportunity to further improve its safety culture and governance. The status of PG&E’s implementation of these additional recommendations is provided in Table 2 below.

**TABLE 2  
MATRIX OF ADDITIONAL NORTHSTAR RECOMMENDATIONS AND  
PG&E’S IMPLEMENTATION STATUS**

Line No.	PG&E Implementation Plan	NorthStar Recommendation	Status
1	F-1_OII Implementation Plan	Institute version control over, and include dates for the implementation plans, completion narratives, sustainability plans and for the IA sign-off process.	Implemented Under Existing Plan
2	F-1_OII Implementation Plan	Increase the rigor and formality over target completion date changes, status changes and scope changes associated with the implementation of NorthStar’s recommendations. Review the implementation status of all recommendations to ensure all elements of the recommendations have been addressed or PG&E’s modifications have been documented and justified.	Implemented Under Existing Plan
3	F-1_OII Implementation Plan	Develop processes to ensure the sustainability of the implementation of NorthStar’s recommendations.	Implemented Under Existing Plan
4	F-1_OII Implementation Plan	In addition to the status of the implementation of NorthStar’s recommendations, continue to report to the Commission on any significant changes that might affect the sustainability of the recommendations.	Implemented Under Existing Plan
5	F-1_OII Implementation Plan	Report to the Commission on a quarterly basis the status of the One PG&E Operational Health & Safety (OH&S) Plan and associated metrics (in process).	Implemented Under Existing Plan
6	F-4 Comprehensive Safety Strategy _includes III-2_III-3_V-3	Increase CSO oversight and governance over public and other aspects of safety to mitigate potential silos and ensure risks are adequately addressed.	Implemented Under Existing Plan
7	F-4 Comprehensive Safety Strategy _includes III-2_III-3_V-3	Communicate results of Internal Audit (IA) safety-related audits and LOB management response to Safety, Health and Enterprise CAP (reporting to the CSO).	IA Review Complete (Fully Implemented)
8	F-4 Comprehensive Safety Strategy _includes III-2_III-3_V-3	Include the Generation Safety Lead in routine meetings between Electric Operations and Gas Operations and Safety & Health regarding the implementation of OH&S plan.	Implemented Under Existing Plan



**TABLE 2  
MATRIX OF ADDITIONAL NORTHSTAR RECOMMENDATIONS AND  
PG&E'S IMPLEMENTATION STATUS  
(CONTINUED)**

Line No.	PG&E Implementation Plan	NorthStar Recommendation	Status
9	F-4 Comprehensive Safety Strategy _includes III-2_III-3_V-3	Conduct an annual (or biennial) blue sky strategic safety planning exercise to concentrate on the changing environment, potential risks and threats. The exercise should force a comprehensive analysis of all safety-related opportunities and threats and a formal, proactive action plan. The planning exercise should: <ul style="list-style-type: none"> <li>• Consider the environmental, financial, political, technological, infrastructure, public, workforce and other risks and safety advancements.</li> <li>• Include executives, management and potentially the BODs.</li> <li>• Be facilitated by an outside expert.</li> <li>• Cover ALL potential contributors to safety.</li> </ul>	Implemented Under Existing Plan
10	F-2_Supv in the Field includes V-4	Increase the number of Supervisors in Electric Operations, Gas Operations and Power Generation field operations to comply with Corporate Procedure HR-2010-P01 thereby limiting the span of direct reports to a maximum of 1:20.	Implemented Under Existing Plan
11	F-2_Supv in the Field includes V-4	Commit to a target level of dedicated time in supervisors calendars each week for time in the field; guidance will remain flexible for each LOB to take into consideration the different job functions and geographic work considerations.	Implemented Under Existing Plan
12	F-2_Supv in the Field includes V-4	Transfer administrative tasks such as scheduling of work, training and paperwork review, from the Supervisor to the office-based staff.	Implemented Under Existing Plan
13	F-2_Supv in the Field includes V-4	Formalize Gas, Electric, and Power Generation management expectations for supervisors spending time in the field and communicate techniques for how to reduce impediments in each LOB thereby increasing time in the field.	Implemented Under Existing Plan
14	F-2_Supv in the Field includes V-4	Move completed work review to the jobsite, allowing for immediate feedback before electronic records and paperwork are finalized.	This plan will not be implemented.
15	F-2_Supv in the Field includes V-4	Reduce travel requirements for field personnel and supervisors who are frequently assigned to work or attend meetings outside their normal work locations.	Implemented Under Existing Plan
16	F-3_SLD_includes VIII-1	Continue to provide Crew Lead Safety Leadership training courses for employees that move into Crew Lead positions. Automatically include Crew Lead Safety Leadership training in the training profiles for new crew leads.	Implemented Under Existing Plan
17	F-3_SLD_includes VIII-1	On an annual basis, revise Safety Leadership Development (SLD) training to address any areas of concern identified in the review of SafetyNet observation data.	IA Review Complete (Fully Implemented)
18	III-1_Board Qualifications	Report any changes in the Board of Director (BOD) skills matrix, and any changes to the composition of the BOD to the CPUC.	Implemented Under Existing Plan
19	III-1_Board Qualifications	Continue to update the BOD on safety and other significant industry issues.	Implemented Under Existing Plan

**TABLE 2  
MATRIX OF ADDITIONAL NORTHSTAR RECOMMENDATIONS AND  
PG&E'S IMPLEMENTATION STATUS  
(CONTINUED)**

Line No.	PG&E Implementation Plan	NorthStar Recommendation	Status
20	III-1_Board Qualifications	Encourage BOD members to inquire and challenge PG&E executives to ensure a robust governance process. Revise PG&E Corp.'s Governance Guidelines to include expectations for Directors. As an example, see the Sempra Energy Corporate Governance Guidelines. Among other items, the Sempra Energy Guidelines include the following: <ul style="list-style-type: none"> <li>• Maintain an attitude of constructive skepticism, ask relevant, incisive, probing questions and engage in direct and forthright discussions with the Board and management.</li> <li>• Develop and maintain a broad understanding of the corporation's business and risk profile, its strategic, financial and operating opportunities and plans, and its internal control systems and disclosure controls and procedures, including environmental, and health and safety systems and procedures</li> <li>• Balance prompt action with thorough deliberations, prioritize matter requiring attention, gather sufficient information, engage in open discussion, invite differing views, evaluate the benefits and risks of various courses of action and support the acceptance of prudent business risks to permit informed and timely decision making.</li> </ul>	IA Review Complete (Fully Implemented)
21	IX-1_Safety Communication	Implement the recommendations identified in the outside vendor's communications audit.	IA Review Complete (Fully Implemented)
22	IX-1_Safety Communication	Revise the communications plan as necessary to address any safety and health issues that are identified in recent and on-going Premier surveys and associated analyses	Implemented Under Existing Plan

On September 16, 2022, the CPUC issued the Final NorthStar Report to PG&E. A response was provided by PG&E on October 7, 2022. Of the 68 recommendations provided in the Final NorthStar Report, 26 are recommended for further monitoring. We believe that no further monitoring is necessary because all recommendations have already been fully implemented.

**C. Changes to PG&E Execution of Plans**

As recommended by NorthStar, PG&E will continue to report to the Commission on any significant changes that might affect the sustainability of the recommendations.

- PG&E certifies ongoing compliance with recommendation VI -5, Session D Link to Sessions 1 and 2, noting that the Integrated Planning Process (which included Sessions D, 1 and 2) has been replaced by Business Plan Deployment (BPD) process. BPD is designed to connect our True North Strategy to specific business outcomes, and the associated investment/work plan. Design and implementation of these processes is on-going. How risk will be integrated is under development. Several initiatives related to PG&E's True North Strategy will address risk-planning integration and are currently in the scoping and planning phase. RIBA has been retired, a new prioritization standard has been

developed and is in a continuous improvement cycle. Resource rings have been retired and risk status is now tracked in MetricStream, the system of record.

- PG&E certifies ongoing compliance with recommendation VIII-6, operator qualifications (OQ) Status Reporting, noting completion of implementation will be confirmed by documentation of distribution/posting of the OQ Status Report. Monthly report sustainability will be based on the development of OQ status information and will continue to evolve based on usefulness, applicability, and feedback from report recipients.
- PG&E certifies ongoing compliance with recommendation F-2, Supervisor in the Field, noting organizational changes.
- PG&E certifies ongoing compliance with recommendation VI-4, PPM for Power Generation, noting organizational changes and the updated nuclear generation agreement to extend the plant life, which may alter long range planning.

## V. Board of Directors Reporting

In D.19-06-008, the Commission directed PG&E to provide the following information in the quarterly reports submitted to SED pursuant to D.18-11-050:

- 1) Non-confidential versions of the minutes of all BOD and safety committee meetings.
- 2) All training, education, or other support on safety that PG&E and PG&E Corporation are providing to Board members so that they can adequately perform their duties on safety issues.

### A. BOD and SNO Committee Meeting Minutes

In the third quarter of 2022, the Boards of the Corporation and Utility held a meeting on September 15, and the SNO Committees held a meeting on September 14.

Attachment 1 to this Report includes non-confidential versions of approved minutes for the following BOD and SNO Committee meetings that were held on or after June 13, 2019,<sup>3</sup> and for which approved minutes have not been provided in connection with a prior quarterly report:

April 26, 2022 – Joint SNO and Audit Committees
May 19, 2022 – Boards of Directors
June 15, 2022 – SNO Committees
June 16, 2022 – Boards of Directors

Meeting minutes for the BODs and the SNO Committees must be formally reviewed and approved by the relevant governance body prior to finalization. The timing for this process varies, and in many cases the minutes will be finalized in a different quarter from the quarter in which the meeting was held.

---

<sup>3</sup> Effective date of D.19-06-008.

## B. BOD Safety-Related Training

PG&E is submitting information regarding “all training, education or other support on safety that PG&E and PG&E Corp.” provided “to board members to ensure that they can adequately perform their duties on safety issues.”

- During the third quarter of 2022, the Boards conducted a field visit to the Diablo Canyon Power Plant.
- In September 2022, the Boards received a safety training focused on our Keys to Life, designed for high-risk tasks and utilized to prevent electric safety incidents. The Boards also received a wildfire update, including Wildfire Mitigation Plan (WMP) progress update and Enhanced Powerline Safety Setting (EPSS) program performance review.
- In September 2022, the SNO Committees received an update on the enterprise safety strategy; reviewed safety performance, including nuclear safety; and received updates on the Enhanced Vegetation Management program. The Committees examined two key enterprise risks—gas loss of containment and large uncontrolled water release, including Dam Safety Advisory Board briefing. Additionally, the Committees reviewed the annual security strategy and cybersecurity risk.

## VI. Safety Strategy and Performance Update

### A. Safety Strategy Update

PG&E continues to execute against and make improvements to its 5-Year Safety Strategy. The safety updates included in this report align with the major components of the 5-year Safety Strategy. The strategy has been reviewed by senior leadership and the Board of Directors and has driven our execution since mid-2020.

**TABLE 3  
5-YEAR SAFETY STRATEGY UPDATE**

No.	Strategy Component	Workstream	Q3 2022 Progress
1	Standards	Occupational Health and Safety (Technical) Standards	<ul style="list-style-type: none"> <li>• Completed final reviews and gap assessments with the Line of Business subject matter experts on the five Batch 1 Standards (Fall Protection, Confined Space, Lifting Operations, Electric Safety and Hazardous Energy Control)</li> <li>• Batch 1 Standards were published on June 10</li> </ul>

**TABLE 3  
5-YEAR SAFETY STRATEGY UPDATE  
(CONTINUED)**

No.	Strategy Component	Workstream	Q3 2022 Progress
2	Transportation Safety	Motor Vehicle Safety	<ul style="list-style-type: none"> <li>• YTD the 360 walk-around app has recorded over 640K walk arounds by our coworkers. Updated app was released that now allows the user to be offline when completing a walk around and sync's when cellular or Wi-Fi becomes available</li> </ul>
		Safety Technology	<ul style="list-style-type: none"> <li>• Cell phone blocking installation is complete with 998 active users. Since 6/25, the system has suppressed over 74K inbound texts, over 21K calls while traveling over 2.8million miles on the road</li> <li>• Over 430 Distraction and Fatigue driving camera systems installed and the pilot baseline was launched on September 6th; cameras to start coaching in early October 2022 for 5 months through March 2023</li> </ul>
		Contractor Transportation Risk	<ul style="list-style-type: none"> <li>• Through Q3 2022, reviewed over 185 contractor motor vehicle incidents for SIF potential</li> </ul>
3	Contractor Safety	Contractor Safety Program	<ul style="list-style-type: none"> <li>• Formed a large cross functional team to completely transform how PG&amp;E approaches safety with our contract partners. Using lean problem-solving methods, the team identified several projects to enhance compliance, operational, or strategic processes and procedures. As of the end of September, 31 projects have been identified and three full-time project managers have been resourced.</li> <li>• Implemented an engineering control requirement for all tree climbers, which includes a tree suspension point created with the use of slings, pulleys, friction savers or other devices. The suspension point can be installed on any structurally sound portion of the tree, freeing the tree climber from being dependent on the natural limbs or tree crotches used as the suspension point. The suspension point also protects both the rope and tree.</li> <li>• Implemented a second engineering control requirement for all PG&amp;E Vegetation Management contractors that prevents a tree from splitting vertically when a back cut is performed</li> <li>• Identified top at-risk contractors and are increasing engagement activities</li> <li>• Contractor Safety Quality Assurance Reviews with 12 Highest Risk Contractors are in progress</li> <li>• Implementing an improved Contractor Driving Safety Review &amp; Approval Process</li> <li>• Contractor Safety Summit (Forum) planned for year end</li> <li>• Working on improvements to the Contractor Safety Plan Onboarding Review &amp; Approval Process (PSP/PSSP)</li> <li>• Improving Contractor Performance Appraisal Process (Post-Job Evaluations)</li> <li>• Revised Enterprise Contractor Safety Stand Down procedure (80% complete)</li> <li>• Implemented EO Contractor High Life Threat Finding Review Team</li> </ul>

**TABLE 3  
5-YEAR SAFETY STRATEGY UPDATE  
(CONTINUED)**

No.	Strategy Component	Workstream	Q3 2022 Progress
4	<b>Serious Injury and Fatality Prevention</b>	Analyze SIF investigations and share key learnings	<ul style="list-style-type: none"> <li>• Opened 23 SIF Causal Evaluations in Q3 including 3 Root Cause Evaluations</li> <li>• SIF incidents by Line of Business (LOB): 23 in Electric Operations (7 Vegetation Management), 1 in Gas Operations.</li> <li>• Following each SIF incident, the team convenes discussions with executive leadership, publishes initial communications for the involved line of business and full enterprise, meets weekly with each cause evaluation sponsor, then convenes a discussion on findings and corrective actions with leadership and issues final communications to the involved line of business and enterprise</li> <li>• In August a Corrective Action Effectiveness Review (CA EFR) was initiated to review and analyze SIF-Actual and SIF-Potential corrective actions including those to prevent reoccurrence from 2020 through 2022 YTD for effectiveness and quality.</li> <li>• Implementation of the essential controls Start When Safe strategy. Previously piloted with vegetation management. Updating process to begin building 2023 implementation plan. Will support further alignment with SIF industry partners.</li> </ul>
		Improve timeliness and clarity of SIF Incident communications	<ul style="list-style-type: none"> <li>• In addition, Field Safety Directors execute an immediate field response to all safety incidents, including creating an Initial Incident Report that is distributed within 24 hours of the response to all field leaders with the facts about the incident</li> </ul>
5	<b>Enterprise Corrective Action Program</b>	Near Hit Program	<ul style="list-style-type: none"> <li>• 4 Near Hit feature stories were published in the enterprise Daily Digest in Q3 2022, highlighting employee shared Near Hits, lessons learned, and resources</li> <li>• A Near Hit chapter was published in the 2022 enterprise Work-From-Home Handbook highlight program basics</li> <li>• Near Hit Program was promoted for a week on all enterprise computers and tablets</li> <li>• A Near Hit Program self-audit focused on data entry completion is underway</li> <li>• A new Near Hit intranet webpage was launched with more user content.</li> <li>• Near Hit anonymous rate for Q3 2022 is 0.85%, suggesting employee comfort in sharing Near Hits with their identity</li> </ul>

**TABLE 3  
5-YEAR SAFETY STRATEGY UPDATE  
(CONTINUED)**

No.	Strategy Component	Workstream	Q3 2022 Progress
6	Occupational Health	Health and Wellness	<ul style="list-style-type: none"> <li>• Health &amp; Wellness platform: 7,276 (28.5%) eligible coworkers enrolled as of 9/30/2022</li> <li>• Launched Q3 Fall into Fitness enterprise-wide team step challenge</li> <li>• 108 completed onsite health coaching appointments in Q3</li> <li>• Final 2022 Health Screenings Participation rate: 74% (10/1/21 – 9/1/22)</li> <li>• Webinars: Future of work support (various, including Recognizing and Addressing Substance Use Disorders); EAP Orientation for Leaders; and various expert panels on Health, Nutrition, Pain Management and Stress/Anxiety</li> </ul>
		Ergonomics	<ul style="list-style-type: none"> <li>• <u>Office Ergonomics (OE):</u> <ul style="list-style-type: none"> <li>○ Conducted 1,171 new ergonomic evaluations in Q3</li> <li>○ Revised Office Ergonomics Standard</li> <li>○ Created new reference library containing self-help aids and resources for future of work</li> <li>○ Partnered with Enterprise Communications team to create and launch new Office Ergonomics website</li> <li>○ Launched monthly ergonomist-led webinar series covering office ergonomic hot topics</li> <li>○ Completed internal consultant virtual training pilot</li> </ul> </li> <li>• <u>Industrial Ergonomics (IE):</u> <ul style="list-style-type: none"> <li>○ Further refined program roles and responsibilities</li> <li>○ Force Gauge training conducted for Industrial Athlete Specialists</li> <li>○ Completed multiple field visits across various LOBs to move IE projects forward</li> <li>○ Completed and shared Lid Lifting/Enclosures project summary to Leadership</li> <li>○ Researched wearable sensor technologies and narrowed to 3 possible vendors for future pilots</li> <li>○ Developed and distributed Lift/Push/Pull DART campaign documents for Electrical Operations</li> </ul> </li> <li>• <u>Industrial Athlete (IA):</u> <ul style="list-style-type: none"> <li>○ Performed 2,720 individual services and 2,390 proactive group services in Q3</li> <li>○ Supported 707 discomfort cases in Q3, 95% of which were closed at the self-care level</li> </ul> </li> <li>• <u>Vehicle Ergonomics (VE):</u> <ul style="list-style-type: none"> <li>○ 82 Vehicle Ergonomic Assessments performed in Q3</li> <li>○ Worked with Fleet Engineering and Specs Review Committee on Underground Splicing Van and Weld Truck to provide ergonomic design guidelines and recommendations</li> </ul> </li> </ul>
		Injury Management	<ul style="list-style-type: none"> <li>• <u>On-site Clinics:</u> <ul style="list-style-type: none"> <li>○ Closed the onsite clinic in Concord in September</li> <li>○ Opened the new near-site Premise Health Wellness Center in Oakland in September</li> </ul> </li> <li>• <u>Telephonic Nurse Case Management (TCM) program:</u> provided early nurse intervention on 223 new Workers' Compensation claims; resulting in 1,045 lost workdays saved in Q3</li> <li>• <u>Return-to-Work Task program:</u> Saved 697 lost workdays and placed 16 coworkers into temporary task assignments in Q3</li> </ul>

**TABLE 3  
5-YEAR SAFETY STRATEGY UPDATE  
(CONTINUED)**

No.	Strategy Component	Workstream	Q3 2022 Progress
7	Culture	Safety Culture assessment	<ul style="list-style-type: none"> <li>In partnership with the National Safety Council and Energy Safety, PG&amp;E deployed the Safety Culture survey to all employees and contractors on August 17 (including additional wildfire safety culture survey questions to the relevant workgroups whose tasks involve &gt;10% wildfire mitigating actions)</li> </ul>
		Safety Leadership Development (SLD)	<ul style="list-style-type: none"> <li>The current SLD course will continue for new front-line field leaders, including crew leads. Materials updated to reflect Purpose, Virtues and Stands</li> </ul>
		Safety Connections (Directors/ Officers in the field)	<ul style="list-style-type: none"> <li>Leaders continue to conduct field visits with crews</li> </ul>
		Communications	<ul style="list-style-type: none"> <li>Conducted a 100-day Keys to Life campaign that engaged leaders using a toolkit to have daily safety-related conversations about a Key to Life each week</li> <li>Sent weekly Safety Snapshot to all leaders</li> <li>Daily safety messages and Serious Incident Alerts are shared via email and the Daily Operating Reviews</li> <li>Sent ongoing awareness communications related to safety observations best practices, near hits, and SIF alerts</li> </ul>
8	Assurance	Auditing	<ul style="list-style-type: none"> <li>Ownership of workforce safety assurance activities under review with the realignment of the organization.</li> </ul>
9	Safety Observations	Field Observations	<ul style="list-style-type: none"> <li>Enterprise: 37,245 safety observations were completed in Q3, including 6,143 safety observations that were completed by the Safety &amp; Risk field safety specialists.</li> <li>Contract Partners: 23,251 safety observations were completed in Q3, including 3,779 safety observations that were completed by the Safety &amp; Risk field safety specialists.</li> <li>Secured contract extension (2-year extension) with Sourcing/Vendor</li> <li>Beginning program shift to risk-based safety observations</li> <li>Implemented Vegetation Management Safety Observations</li> <li>High Risk/Life Threat Observations &amp; Review in progress (25% complete)</li> </ul>
		Field Safety Specialist training	<ul style="list-style-type: none"> <li>2022 required training: Introduction to the Technical Information Library (Completed in Q2), Human Performance Tools, Telehandler Safety and OSHA 30 for anyone who has not completed that course within the last five years</li> </ul>
10	PG&E Safety Excellence Management System (PSEMS)	Implementation	<ul style="list-style-type: none"> <li>The PSEMS Design and Build phases are underway and are set to be complete by year-end 2022. The implementation will start in 2023.</li> </ul>
		Management of Change (MOC)	<ul style="list-style-type: none"> <li>MOC software decision under review project implementation plan is pending</li> </ul>



## B. Safety Metrics

PG&E established Days Away, Restricted or Transferred (DART)<sup>4</sup> targets for 2022 based on the goal of reaching 1st quartile by 2026. The 2022 YTD actuals and EOY forecast place us in 2nd quartile.

Table 13 below summarizes key metrics performance and established targets for 2019 - 2022. Figure 1 below provides current performance with respect to employee safety metrics as of September 30, 2022.

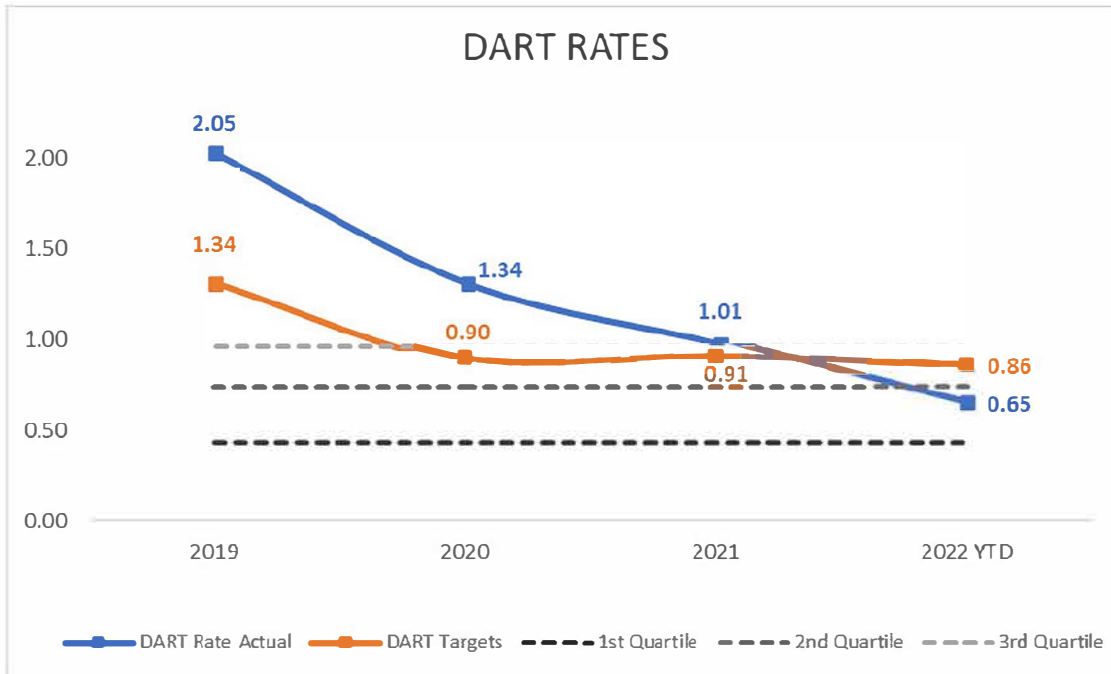
### Additional Analysis:

**TABLE 4  
2019-2022 PERFORMANCE AND ESTABLISHED TARGETS**

Metric	2019		2020*		2021*		2022*		
	Actual	Target	Actual	Target	Actual	Target	YTD Actual	YTD Target	EOY Target
Employee SIF Actual Count	0		4		0		3		
Employee SIF Potential Count	33		25		23		12		
DART Rate	2.05	1.34	1.34	0.90	1.01	0.91	0.65	0.86	0.86

\*Number includes count of all injured parties  
Data through 9/30/2022

**FIGURE 1  
CURRENT PERFORMANCE AS OF SEPTEMBER 30, 2022**

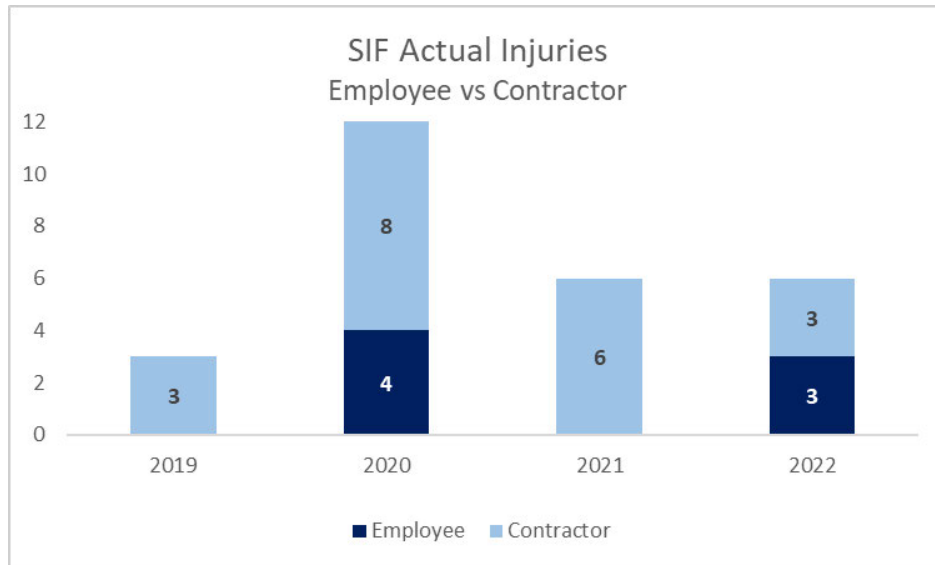


<sup>4</sup> DART: Injury that results in days away, restricted or transferred duty, rate based on 200,000 hours worked.

## SIF Graphs

**Additional Analysis:** Started tracking Contractor SIF potentials (SIFP) in June 2020. Contractors have contributed 40 SIFP events (77%) of total 2022 year-to-date count.

**FIGURE 2**  
**SIF ACTUAL<sup>5</sup>**  
**EMPLOYEE VS CONTRACTOR (2019-2022)**



Note: Graph above is based on number of injuries.

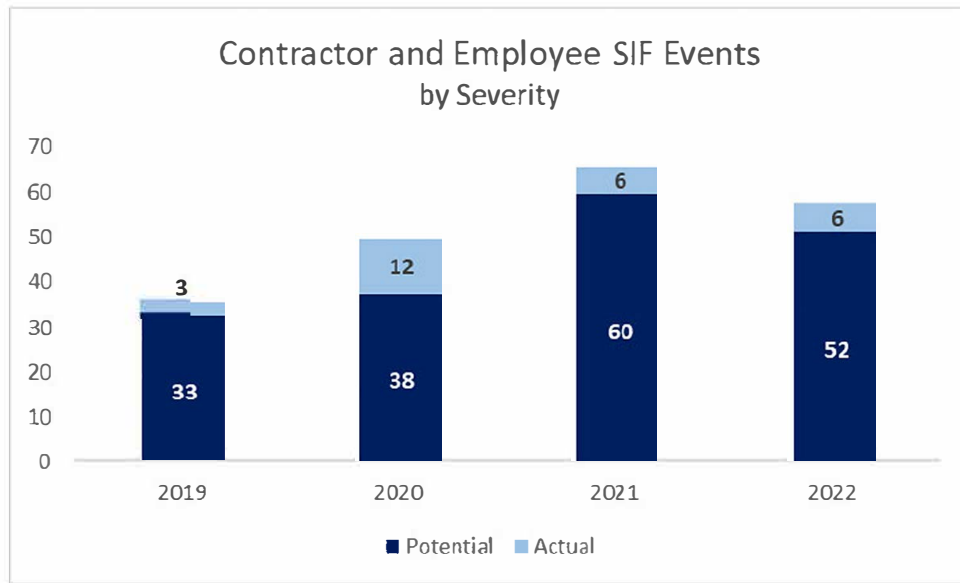
**FIGURE 3**  
**SIF POTENTIAL**  
**EMPLOYEE VS CONTRACTOR (2019-2022)**



Note: Graph above is based on number of incidents

<sup>5</sup> Includes all SIFs (both serious injuries and fatalities)

**FIGURE 4  
CONTRACTOR AND EMPLOYEE SIF<sup>6</sup> EVENTS (2019 – 2022)**



Notes: Contractor SIFp events were not tracked in 2019.  
Contractor SIFp tracking started in June 2020.

**TABLE 5  
CONTRACTOR SERIOUS INJURY AND FATALITY (SIF)<sup>7</sup>  
2019-2022 PERFORMANCE**

Metric***	2019	2020*	2021*	2022*
	Actual	Actual	Actual	YTD Actual
Contractor SIF Actual Count	3	8	6	3
Contractor SIF Potential Count**	N/A	14	38	40

\*Number includes count of all injured parties

\*\*Contractor SIF Potentials were only tracked starting June 2020

\*\*\*Targets are not set for Contractor metrics

Data through 9/30/2022

**Additional Analysis:** 2022 Preventable Motor Vehicle Incidents (PMVI) targets are based on the best performance from prior 3 years with continuing target declines through 2026. The 2022 YTD Actual and EOY forecast places PG&E in 2nd quartile.

<sup>6</sup> Includes all SIFs (both serious injuries and fatalities)

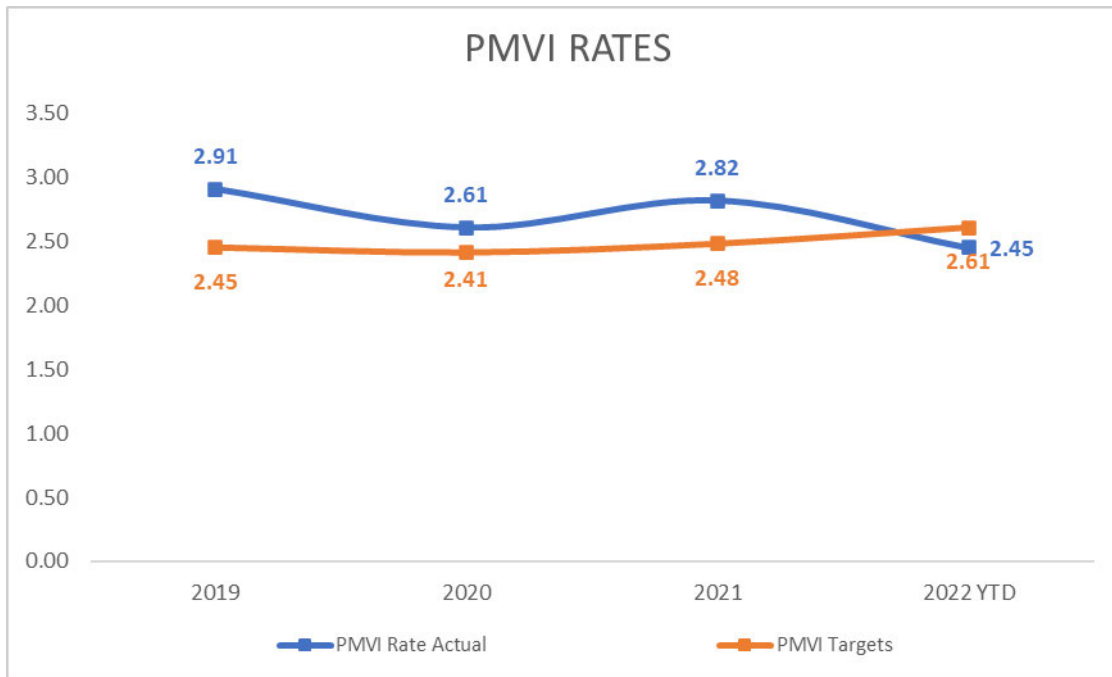
<sup>7</sup> Includes all Contractor SIFs (both serious injuries and fatalities)

**TABLE 6  
2019–2022 PERFORMANCE AND ESTABLISHED TARGETS**

Metric	2019		2020		2021*		2022*		
	Actual	Target	Actual	Target	Actual	Target	YTD Actual	YTD Target	EOY Target
PMVI Rate	2.91	2.45	2.61	2.41	2.82	2.48	2.45	2.61	2.61

Data through 9/30/2022

**FIGURE 5  
CURRENT PERFORMANCE AS OF SEPTEMBER 30, 2022**



**VII. Conclusion**

PG&E is committed to improving its safety culture and performance and continuing to gain our customers and the public’s trust. The areas of opportunity identified by NorthStar in its Final Report and in its First Update are at the core of a strong and proactive safety culture. PG&E looks forward to continuing this important work and providing the Commission with quarterly updates on its progress.

**PACIFIC GAS AND ELECTRIC COMPANY**  
**ATTACHMENT 1**  
**BOD AND SNO COMMITTEE MEETING MINUTES**

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE OF THE  
BOARD OF DIRECTORS OF PG&E CORPORATION

April 26, 2022

A meeting of the Safety and Nuclear Oversight (SNO) Committee of the Board of Directors of PG&E Corporation (Corporation) was held by videoconference on Tuesday, April 26, 2022, at 8:30 a.m., Pacific time. The meeting was held concurrently with a meeting of the Pacific Gas and Electric (Utility) and together with the Corporation, the Companies) SNO Committee and with the Companies' Audit Committees.

SNO Committee members present were Cheryl F. Campbell, Jessica L. Denecour, W. Craig Fugate, Mark E. Ferguson, III, Michael R. Niggli, and William L. Smith. Audit Committee members present were Robert C. Flexon, Rajat Bahri, Arno L. Harris, and Benjamin F. Wilson.

Also in attendance at the beginning of the meeting were Dean L. Seavers, Patricia K. Poppe, Wade Smith, Christopher A. Foster, John R. Simon, Sumeet Singh, Stephen J. Cairns, David S. Thomason, Ajay Waghray, Peter Kenny, Christopher A. Pezzola, Alejandro T. Vallejo, Frances S. Chang, Jenny Kan, Lisa J. Crawford, J. Ellen Conti, and Sujata Pagedar, along with Sujit Bhattacharya of Filsinger Energy Partners and Amy Parker and Kim Felker of Deloitte and Touche.

Quorum present, Mr. Wilson, Chair of the Audit Committee, presided over the meeting. Ms. Crawford served as secretary of the meeting and gave a situational safety message at the beginning of the meeting.

Mr. Pezzola, referring to materials that had been provided to the Committee members in advance of the meeting and that are included in the records of this Committee (Committee materials) presented a report on results of audits performed by Internal Auditing (IA) during the first quarter of 2022. He discussed the results of these audits and the status of certain open issues. The Committee asked questions and a discussion ensued.

Mr. Simon and Mr. Vallejo, referring to Committee materials, provided an ethics and compliance update that included a report on, among other things, fraud allegations and recently implemented lean structures and principles. The Committee discussed the presentation and asked questions, including what level of controls and technology the Companies have in place to maintain compliance in a hybrid work environment, and a discussion ensued.

Kerry Cooper entered the meeting.

Mr. Kenny, referring to Committee materials, provided an update on the Utility's enhanced vegetation management program, which included the progress made in the first quarter. The Committee asked questions regarding the progress made in high-risk areas and the

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE  
PG&E CORPORATION– April 26, 2022

improvements made on the process to verify the quality of work executed, and a discussion ensued.

Mr. Singh, referring to Committee materials, provided an update on the monthly performance and progress against PG&E's 2022 Wildfire Mitigation Plan targets and continued wildfire readiness. He reported on the status of PG&E's visibility of achievements, its interaction with peers, and enhanced powerline safety settings deployments are all on target. The Committee asked various questions and a discussion ensued.

There being no further business presented for action, on motion made, seconded, and carried, the concurrent meeting was adjourned at 9:30 a.m.

SUJATA PAGEDAR  
Secretary

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE OF THE  
BOARD OF DIRECTORS OF PACIFIC GAS AND ELECTRIC COMPANY

April 26, 2022

A meeting of the Safety and Nuclear Oversight (SNO) Committee of the Board of Directors of Pacific Gas and Electric Company (Utility) was held by videoconference on Tuesday, April 26, 2022, at 8:30 a.m., Pacific time. The meeting was held concurrently with a meeting of the PG&E Corporation (Corporation and together with the Utility the Companies) SNO Committee and with the Companies' Audit Committees.

SNO Committee members present were Cheryl F. Campbell, Jessica L. Denecour, W. Craig Fugate, Mark E. Ferguson, III, Michael R. Niggli, and William L. Smith. Audit Committee members present were Robert C. Flexon, Rajat Bahri, Arno L. Harris, and Benjamin F. Wilson.

Also in attendance at the beginning of the meeting were Dean L. Seavers, Patricia K. Poppe, Wade Smith, Christopher A. Foster, John R. Simon, Sumeet Singh, Stephen J. Cairns, David S. Thomason, Ajay Waghray, Peter Kenny, Christopher A. Pezzola, Alejandro T. Vallejo, Frances S. Chang, Jenny Kan, Lisa J. Crawford, J. Ellen Conti, and Sujata Pagedar, along with Sujit Bhattacharya of Filsinger Energy Partners and Amy Parker and Kim Felker of Deloitte and Touche.

Quorum present, Mr. Wilson, Chair of the Audit Committee, presided over the meeting. Ms. Crawford served as secretary of the meeting and gave a situational safety message at the beginning of the meeting.

Mr. Pezzola, referring to materials that had been provided to the Committee members in advance of the meeting and that are included in the records of this Committee (Committee materials) presented a report on results of audits performed by Internal Auditing (IA) during the first quarter of 2022. He discussed the results of these audits and the status of certain open issues. The Committee asked questions and a discussion ensued.

Mr. Simon and Mr. Vallejo, referring to Committee materials, provided an ethics and compliance update that included a report on, among other things, fraud allegations and recently implemented lean structures and principles. The Committee discussed the presentation and asked questions, including what level of controls and technology the Companies have in place to maintain compliance in a hybrid work environment, and a discussion ensued.

Kerry Cooper entered the meeting.

Mr. Kenny, referring to Committee materials, provided an update on the Utility's enhanced vegetation management program, which included the progress made in the first quarter. The Committee asked questions regarding the progress made in high-risk areas and the



SAFETY AND NUCLEAR OVERSIGHT COMMITTEE MEETING  
PACIFIC GAS AND ELECTRIC COMPANY – April 26, 2022

improvements made on the process to verify the quality of work executed, and a discussion ensued.

Mr. Singh, referring to Committee materials, provided an update on the monthly performance and progress against PG&E's 2022 Wildfire Mitigation Plan targets and continued wildfire readiness. He reported on the status of PG&E's visibility of achievements, its interaction with peers, and enhanced powerline safety settings deployments are all on target. The Committee asked various questions and a discussion ensued.

There being no further business presented for action, on motion made, seconded, and carried, the concurrent meeting was adjourned at 9:30 a.m.

SUJATA PAGEDAR  
Secretary

PRIVILEGED AND CONFIDENTIAL<sup>1</sup>  
BOARD MEETING – May 19, 2022  
PG&E CORPORATION

A regular meeting of the Board of Directors of PG&E Corporation (Corporation) was held at the San Ramon Valley Conference Center, 3301 Crow Canyon Road, San Ramon, California, on Thursday, May 19, 2022, at 11:00 a.m. Pacific Time. The meeting was held concurrently with a meeting of the Pacific Gas and Electric Company (Utility and, together with the Corporation, the Companies or PG&E) Board of Directors.

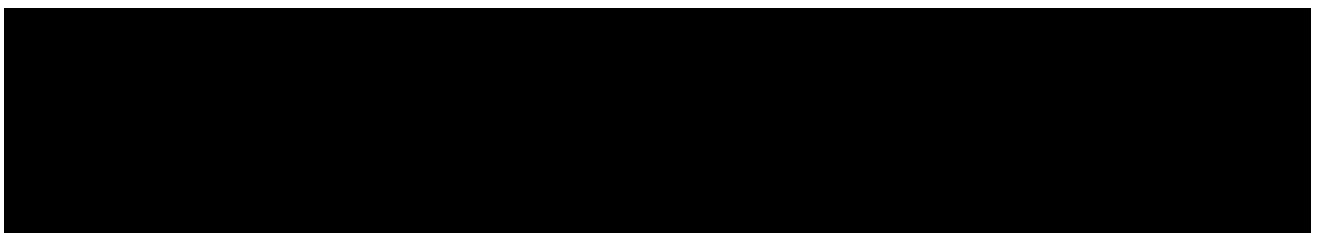
Present at the San Ramon Valley Conference Center at the beginning of the meeting were directors Cheryl F. Campbell, Kerry W. Cooper, Jessica L. Denecour, Mark E. Ferguson III, Robert C. Flexon, W. Craig Fugate, Carlos M. Hernandez, Michael R. Niggli, Patricia K. Poppe, Dean L. Seavers, William L. Smith, and Benjamin F. Wilson. Rajat Bahri and Arno L. Harris attended by videoconference, as permitted by the Corporation's Bylaws. No director was absent.

Also present were Adam L. Wright, Julius Cox, Christopher A. Foster, Jason M. Glickman, Carla J. Peterman, Marlene M. Santos, Sumeet Singh, Ajay Waghray, Alejandro Vallejo, A. Wade Smith, Brian M. Wong, Sujata Pagedar, and Jenny Kan.

Quorum present, Mr. Flexon, Chair of the Board of the Corporation, presided as chair of the concurrent meeting. Mr. Wong served as secretary of the meeting.

Mr. Wong opened the meeting with brief remarks about meeting safety. Mr. Flexon shared recent announcements regarding certain Board members.

[THE FOLLOWING PARAGRAPH CONTAINS ATTORNEY-CLIENT PRIVILEGED AND CONFIDENTIAL INFORMATION.]



[END OF PRIVILEGED AND CONFIDENTIAL INFORMATION.]

Following the discussion, Todd Filsinger, Operational Observer, Filsinger Energy Partners joined the meeting by videoconference. Andrew K. Williams, Matt Levy, Chris Steeb, Robert (Bob) L. Dean Jr., and Joseph A. Forline entered the meeting.

Referring to materials that had been provided to the directors in advance of the meeting and that are included in the records of this Board ("Board materials"), Mr. Singh, with

---

<sup>1</sup> Certain portions of these minutes are attorney-client privileged and confidential, and are identified as such.

BOARD MEETING – May 19, 2022  
PG&E CORPORATION

the participation of Messrs. Wright, Forline, Dean, and Williams, gave a safety training and update on the April 29, 2022 Calistoga gas safety incident and May 11, 2022 Livermore helicopter accident. They reviewed the immediate corrective actions for each incident, as well as the lessons learned to date. They also shared the status of the root cause evaluation for the gas safety incident, and discussed the causal investigation into the helicopter accident by the National Transportation Safety Board and Federal Aviation Administration. The directors discussed various aspects of Mr. Singh's presentation, including standard procedures, speak up culture, and specifications of the helicopter fleet.

Following the discussion, Messrs. Filsinger, Vallejo, Williams, Levy, Steeb, Dean, and Forline left the meeting. After a brief discussion, the Board determined to defer discussion of the next item on the agenda.

After a brief recess, Janisse Quiñones, Megan Ardell, and Erin Garvey entered the meeting.

Referring to Board materials, Ms. Santos presented on the customer experience and the corporate brand. She highlighted the PGE.com redesign, customer benefits from the regional service model, and long-term goals around brand favorability and customer experience. Ms. Quiñones then covered the customer journey and customer service planning. Directors asked questions, and a discussion ensued.

At this point, Mses. Quiñones, Ardell, and Garvey left the meeting, and Fong Wan and William Manheim entered the meeting. Paula Gerfen joined the meeting by videoconference.

Next, Ms. Peterman, with reference to the Board materials, gave an update on the Diablo Canyon Power Plant (DCPP) retirement plan and key actions and dates applicable if the Utility were to extend operations beyond 2025 at the direction of the state government. The directors discussed and asked questions, including asking about the potential for broad cost allocation, workforce retention, and permitting.

Mr. Wan, Mr. Manheim, and Ms. Gerfen left the meeting, and Christopher Benjamin entered the meeting.

Referring to Board materials, Ms. Peterman, with the participation of Mr. Glickman and Mr. Benjamin, presented the Utility's proposed 2050 climate goals. She shared the benchmarking analysis against other California investor-owned utilities' climate goals and reporting activities, incorporation of climate goals into the Companies' True North Strategy, and communications and engagement plan for the release of the Utility's climate strategy report. The directors asked questions and discussed various aspects of the presentation.

Mr. Benjamin left the meeting at this point.

BOARD MEETING – May 19, 2022  
PG&E CORPORATION

Mr. Flexon next presented the minutes of the prior meetings for the Boards' approval.

On motion made and seconded, the Board approved the minutes of the Board meetings held on February 8, 2022 and February 24, 2022.

Mr. Wright, Mr. Cox, Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Singh, Mr. Waghray, Mr. Wong, Ms. Pagedar, and Ms. Kan left the meeting, and the Board continued in executive session with Ms. Poppe present.

The directors met in executive session and continued their discussion regarding matters reflected on the agenda.

Mr. Wong was recalled and informed that the directors continued their discussion regarding matters reflected on the agenda, and with Ms. Poppe absent, the independent directors met in executive session to discuss various matters. There being no further business presented for action, on motion made and seconded, the meeting was adjourned at 3:20 p.m.

BRIAN M. WONG  
Secretary

PRIVILEGED AND CONFIDENTIAL<sup>1</sup>  
BOARD MEETING – May 19, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

A regular meeting of the Board of Directors of Pacific Gas and Electric Company (Utility) was held at the San Ramon Valley Conference Center, 3301 Crow Canyon Road, San Ramon, California, on Thursday, May 19, 2022, at 11:00 a.m. Pacific Time. The meeting was held concurrently with a meeting of the PG&E Corporation (Corporation and, together with the Utility, the Companies or PG&E) Board of Directors.

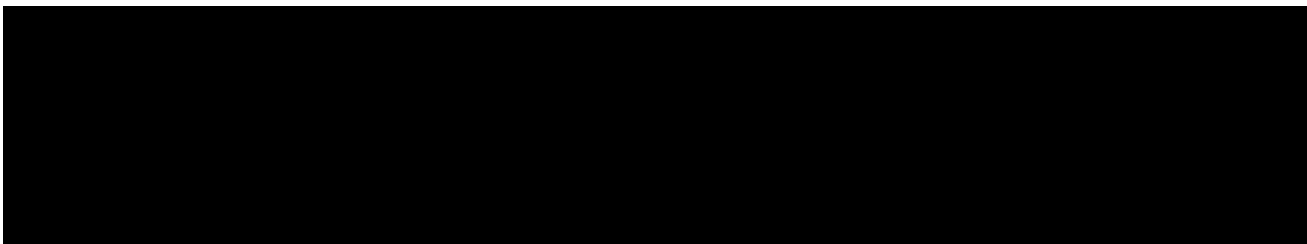
Present at the San Ramon Valley Conference Center at the beginning of the meeting were directors Cheryl F. Campbell, Kerry W. Cooper, Jessica L. Denecour, Mark E. Ferguson III, Robert C. Flexon, W. Craig Fugate, Carlos M. Hernandez, Michael R. Niggli, Patricia K. Poppe, Dean L. Seavers, William L. Smith, Benjamin F. Wilson, and Adam L. Wright. Rajat Bahri and Arno L. Harris attended by videoconference, as permitted by the Utility's Bylaws. No director was absent.

Also present were Julius Cox, Christopher A. Foster, Jason M. Glickman, Carla J. Peterman, Marlene M. Santos, Sumeet Singh, Ajay Waghray, Alejandro Vallejo, A. Wade Smith, Brian M. Wong, Sujata Pagedar, and Jenny Kan.

Quorum present, Mr. Flexon, Chair of the Board of the Corporation, presided as chair of the concurrent meeting. Mr. Wong served as secretary of the meeting.

Mr. Wong opened the meeting with brief remarks about meeting safety. Mr. Flexon shared recent announcements regarding certain Board members.

[THE FOLLOWING PARAGRAPH CONTAINS ATTORNEY-CLIENT PRIVILEGED AND CONFIDENTIAL INFORMATION.]



[END OF PRIVILEGED AND CONFIDENTIAL INFORMATION.]

Following the discussion, Todd Filsinger, Operational Observer, Filsinger Energy Partners joined the meeting by videoconference. Andrew K. Williams, Matt Levy, Chris Steeb, Robert (Bob) L. Dean Jr., and Joseph A. Forline entered the meeting.

Referring to materials that had been provided to the directors in advance of the meeting and that are included in the records of this Board ("Board materials"), Mr. Singh, with

---

<sup>1</sup> Certain portions of these minutes are attorney-client privileged and confidential, and are identified as such.

BOARD MEETING – May 19, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

the participation of Messrs. Wright, Forline, Dean, and Williams, gave a safety training and update on the April 29, 2022 Calistoga gas safety incident and May 11, 2022 Livermore helicopter accident. They reviewed the immediate corrective actions for each incident, as well as the lessons learned to date. They also shared the status of the root cause evaluation for the gas safety incident, and discussed the causal investigation into the helicopter accident by the National Transportation Safety Board and Federal Aviation Administration. The directors discussed various aspects of Mr. Singh's presentation, including standard procedures, speak up culture, and specifications of the helicopter fleet.

Following the discussion, Messrs. Filsinger, Vallejo, Williams, Levy, Steeb, Dean, and Forline left the meeting. After a brief discussion, the Board determined to defer discussion of the next item on the agenda.

After a brief recess, Janisse Quiñones, Megan Ardell, and Erin Garvey entered the meeting.

Referring to Board materials, Ms. Santos presented on the customer experience and the corporate brand. She highlighted the PGE.com redesign, customer benefits from the regional service model, and long-term goals around brand favorability and customer experience. Ms. Quiñones then covered the customer journey and customer service planning. Directors asked questions, and a discussion ensued.

At this point, Mses. Quiñones, Ardell, and Garvey left the meeting, and Fong Wan and William Manheim entered the meeting. Paula Gerfen joined the meeting by videoconference.

Next, Ms. Peterman, with reference to the Board materials, gave an update on the Diablo Canyon Power Plant (DCPP) retirement plan and key actions and dates applicable if the Utility were to extend operations beyond 2025 at the direction of the state government. The directors discussed and asked questions, including asking about the potential for broad cost allocation, workforce retention, and permitting.

Mr. Wan, Mr. Manheim, and Ms. Gerfen left the meeting, and Christopher Benjamin entered the meeting.

Referring to Board materials, Ms. Peterman, with the participation of Mr. Glickman and Mr. Benjamin, presented the Utility's proposed 2050 climate goals. She shared the benchmarking analysis against other California investor-owned utilities' climate goals and reporting activities, incorporation of climate goals into the Companies' True North Strategy, and communications and engagement plan for the release of the Utility's climate strategy report. The directors asked questions and discussed various aspects of the presentation.

Mr. Benjamin left the meeting at this point.

BOARD MEETING – May 19, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

Mr. Flexon next presented the minutes of the prior meetings for the Boards' approval.

On motion made and seconded, the Board approved the minutes of the Board meetings held on February 8, 2022 and February 24, 2022.

Mr. Ferguson, Chair of the Corporation's People and Compensation Committee, led a discussion on the People and Compensation Committee's recommendation that the Utility Board (1) approve the election of Marie C. Waugh as Vice President, Chief Talent, Culture and Inclusion Officer as described in the Board materials. The directors discussed the proposed actions.

On motion made and seconded, the Board of the Utility approved the election of Marie C. Waugh as Vice President, Chief Talent, Culture and Inclusion Officer, as presented.

Mr. Wright, Mr. Cox, Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Singh, Mr. Waghray, Mr. Wong, Ms. Pagedar, and Ms. Kan left the meeting, and the Board continued in executive session with Ms. Poppe present.

The directors met in executive session and continued their discussion regarding matters reflected on the agenda.

Mr. Wong was recalled and informed that the directors continued their discussion regarding matters reflected on the agenda, and with Ms. Poppe absent, the independent directors met in executive session to discuss various matters. There being no further business presented for action, on motion made and seconded, the meeting was adjourned at 3:20 p.m.

BRIAN M. WONG  
Secretary

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE OF THE  
BOARD OF DIRECTORS OF PG&E CORPORATION

June 15, 2022

A meeting of the Safety and Nuclear Oversight (SNO) Committee of the Board of Directors of PG&E Corporation (Corporation) was held at the offices of the Corporation, 300 Lakeside Drive, Oakland, California, on Wednesday, June 15, 2022, at 8:00 a.m. Pacific Time. The meeting was held concurrently with a meeting of the Pacific Gas and Electric Company (Utility and, together with the Corporation, the Companies) SNO Committee.

SNO Committee members Cheryl F. Campbell, Jessica L. Denecour, W. Craig Fugate, Mark E. Ferguson III, Michael R. Niggli, and William L. Smith were present. No Committee members were absent. Other directors present were Robert C. Flexon and Benjamin F. Wilson.

Also present at the beginning of the meeting were Patricia K. Poppe, Christopher A. Foster, John R. Simon, Sumeet Singh, Peter Kenny, Wade A. Smith, Ajay Waghray, Jenny Kan, J. Ellen Conti, and Todd W. Filsinger, Operational Observer, of Filsinger Energy Partners. Also participating by videoconference at the beginning of the meeting was Paula A. Gerfen.

Quorum present, Ms. Campbell, Chair, presided over the meeting. Ms. Conti served as secretary of the meeting and Ms. Kan provided a situational safety message at the beginning of the meeting.

Mr. Singh provided an update on the Companies' safety performance, referring to the materials that were provided to the Committee in advance of the meeting ("Committee materials") and that are included in the records of the meeting. He began by sharing news of a recent safety incident in South San Francisco where a coworker was assaulted and injured by a member of the public while performing work. Directors asked questions about the work, and a discussion ensued. Mr. Singh then gave an overview of the Companies' year-to-date safety performance and metrics, highlighting that there had been zero OSHA citations through the end of May 2022. He next discussed the five-year safety strategy and safety culture efforts, including the upcoming campaign to re-introduce the ten Keys to Life. The Committee asked questions and discussed, among other things, pre-job safety briefings and industry best practices.

Referring to Committee materials, Ms. Gerfen gave an update on nuclear performance at Diablo Canyon Power Plant, including the root cause evaluation for Unit 1's forced outage in late-April, and the corrective actions being taken to address leadership and organizational effectiveness challenges, along with other operational updates. The Committee discussed various topics from Ms. Gerfen's presentation, including employee retention for critical workers.

Referring to Committee materials, Mr. Singh led a discussion of the Utility's performance and progress towards the Wildfire Mitigation Plan targets and described the updated



SAFETY AND NUCLEAR OVERSIGHT COMMITTEE  
PG&E CORPORATION – June 15, 2022

Enhanced Powerline Safety Settings criteria and ignitions. The Committee members asked questions and discussed various aspects of Mr. Singh's presentation, including regarding past Notices of Defect from the California Public Utilities Commission's (CPUC) Office of Energy Infrastructure Safety and lessons learned from past ignitions.

Referring to Committee materials, Mr. Kenny provided an update on the Utility's Enhanced Vegetation Management program, including reviewing progress towards the commitments made to the CPUC. He highlighted improvements in quality of work execution since 2021, following efforts around better work planning, process enhancements, and increasing contractor accountability. The Committee discussed and asked questions about the presentation.

At this point, Mr. Kenny left the meeting and Angie Gibson entered the meeting.

Ms. Gibson next presented on the Emergency Preparedness and Response (EP&R) cross-cutting factor, referring to Committee materials. She described the EP&R organization, its mitigation strategy to ensure effective risk event preparedness and operational coordination, and its collaboration with internal and external partners, including with California Counties and Cities, the Federal Emergency Management Administration, and the California Office of Emergency Services. The Committee asked questions and discussed, among other things, the impacts of climate change and status of process maturity across different counties.

Ms. Gibson left the meeting and Mark Quinlan entered the meeting.

Referring to Committee materials, Mr. Quinlan provided an update on the risk of a transmission system-wide blackout and recent steps that the Utility has taken to increase blackstart availability and reduce restoration times in the Bay Area. The Committee discussed various aspects of his presentation and asked questions, including about availability of batteries with blackstart capabilities and the availability of backup power in other parts of PG&E's service area.

Mr. Quinlan continued with a discussion of the report on the 2022 Public Safety Power Shutoff (PSPS) season, referring to Committee materials. He described the evolution of the PSPS program and corresponding risk model, pre-season exercises, and customer support enhancements. The Committee members asked questions and discussed various aspects of Mr. Quinlan's presentation, including regarding the potential scenario of a combined system wide blackout and PSPS event.

At this point, Mr. Quinlan left the meeting.

Ms. Campbell then referred to the minutes of the Committee meeting held on April 26, 2022, which were included in the Committee materials. On motion made and seconded, the minutes were approved.

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE  
PG&E CORPORATION – June 15, 2022

There being no further business presented for action, on motion made, seconded, and carried, the meeting was adjourned at 10:00 a.m.

J. ELLEN CONTI  
Secretary

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE OF THE  
BOARD OF DIRECTORS OF PACIFIC GAS AND ELECTRIC COMPANY

June 15, 2022

A meeting of the Safety and Nuclear Oversight (SNO) Committee of the Board of Directors of Pacific Gas and Electric Company (Utility) was held at the offices of the Corporation, 300 Lakeside Drive, Oakland, California, on Wednesday, June 15, 2022, at 8:00 a.m. Pacific Time. The meeting was held concurrently with a meeting of the PG&E Corporation (Corporation and, together with the Utility, the Companies) SNO Committee.

SNO Committee members Cheryl F. Campbell, Jessica L. Denecour, W. Craig Fugate, Mark E. Ferguson III, Michael R. Niggli, and William L. Smith were present. No Committee members were absent. Other directors present were Robert C. Flexon and Benjamin F. Wilson.

Also present at the beginning of the meeting were Patricia K. Poppe, Christopher A. Foster, John R. Simon, Sumeet Singh, Peter Kenny, Wade A. Smith, Ajay Waghray, Jenny Kan, J. Ellen Conti, and Todd W. Filsinger, Operational Observer, of Filsinger Energy Partners. Also participating by videoconference at the beginning of the meeting was Paula A. Gerfen.

Quorum present, Ms. Campbell, Chair, presided over the meeting. Ms. Conti served as secretary of the meeting and Ms. Kan provided a situational safety message at the beginning of the meeting.

Mr. Singh provided an update on the Companies' safety performance, referring to the materials that were provided to the Committee in advance of the meeting ("Committee materials") and that are included in the records of the meeting. He began by sharing news of a recent safety incident in South San Francisco where a coworker was assaulted and injured by a member of the public while performing work. Directors asked questions about the work, and a discussion ensued. Mr. Singh then gave an overview of the Companies' year-to-date safety performance and metrics, highlighting that there had been zero OSHA citations through the end of May 2022. He next discussed the five-year safety strategy and safety culture efforts, including the upcoming campaign to re-introduce the ten Keys to Life. The Committee asked questions and discussed, among other things, pre-job safety briefings and industry best practices.

Referring to Committee materials, Ms. Gerfen gave an update on nuclear performance at Diablo Canyon Power Plant, including the root cause evaluation for Unit 1's forced outage in late-April, and the corrective actions being taken to address leadership and organizational effectiveness challenges, along with other operational updates. The Committee discussed various topics from Ms. Gerfen's presentation, including employee retention for critical workers.

Referring to Committee materials, Mr. Singh led a discussion of the Utility's performance and progress towards the Wildfire Mitigation Plan targets and described the updated

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE  
PACIFIC GAS AND ELECTRIC COMPANY – June 15, 2022

Enhanced Powerline Safety Settings criteria and ignitions. The Committee members asked questions and discussed various aspects of Mr. Singh's presentation, including regarding past Notices of Defect from the California Public Utilities Commission's (CPUC) Office of Energy Infrastructure Safety and lessons learned from past ignitions.

Referring to Committee materials, Mr. Kenny provided an update on the Utility's Enhanced Vegetation Management program, including reviewing progress towards the commitments made to the CPUC. He highlighted improvements in quality of work execution since 2021, following efforts around better work planning, process enhancements, and increasing contractor accountability. The Committee discussed and asked questions about the presentation.

At this point, Mr. Kenny left the meeting and Angie Gibson entered the meeting.

Ms. Gibson next presented on the Emergency Preparedness and Response (EP&R) cross-cutting factor, referring to Committee materials. She described the EP&R organization, its mitigation strategy to ensure effective risk event preparedness and operational coordination, and its collaboration with internal and external partners, including with California Counties and Cities, the Federal Emergency Management Administration, and the California Office of Emergency Services. The Committee asked questions and discussed, among other things, the impacts of climate change and status of process maturity across different counties.

Ms. Gibson left the meeting and Mark Quinlan entered the meeting.

Referring to Committee materials, Mr. Quinlan provided an update on the risk of a transmission system-wide blackout and recent steps that the Utility has taken to increase blackstart availability and reduce restoration times in the Bay Area. The Committee discussed various aspects of his presentation and asked questions, including about availability of batteries with blackstart capabilities and the availability of backup power in other parts of PG&E's service area.

Mr. Quinlan continued with a discussion of the report on the 2022 Public Safety Power Shutoff (PSPS) season, referring to Committee materials. He described the evolution of the PSPS program and corresponding risk model, pre-season exercises, and customer support enhancements. The Committee members asked questions and discussed various aspects of Mr. Quinlan's presentation, including regarding the potential scenario of a combined system wide blackout and PSPS event.

At this point, Mr. Quinlan left the meeting.

Ms. Campbell then referred to the minutes of the Committee meeting held on April 26, 2022, which were included in the Committee materials. On motion made and seconded, the minutes were approved.

SAFETY AND NUCLEAR OVERSIGHT COMMITTEE  
PG&E CORPORATION – June 15, 2022

There being no further business presented for action, on motion made, seconded, and carried, the meeting was adjourned at 10:00 a.m.

J. ELLEN CONTI  
Secretary

PRIVILEGED AND CONFIDENTIAL<sup>1</sup>  
BOARD MEETING – June 16, 2022  
PG&E CORPORATION

A regular meeting of the Board of Directors of PG&E Corporation (Corporation) was held at the offices of the Corporation, 300 Lakeside Drive, Oakland, California, on Thursday, June 16, 2022, at 8:00 AM Pacific Time. The meeting was held concurrently with a meeting of the Pacific Gas and Electric Company (Utility and, together with the Corporation, the Companies or PG&E) Board of Directors.

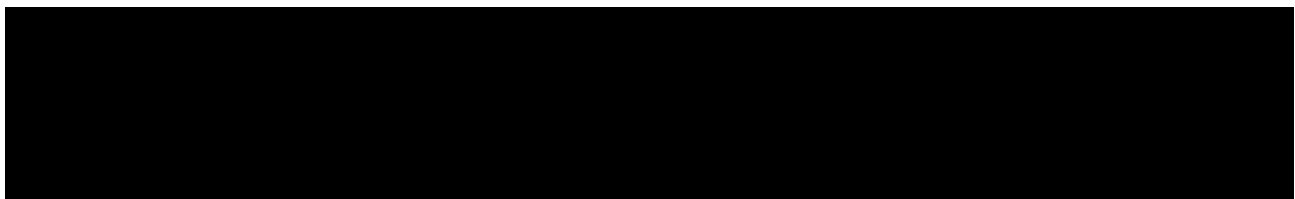
Present at the beginning of the meeting were directors Rajat Bahri, Kerry W. Cooper, Jessica L. Denecour, Mark E. Ferguson III, Robert C. Flexon, W. Craig Fugate, Arno L. Harris, Carlos M. Hernandez, Michael R. Niggli, Patricia K. Poppe, Dean L. Seavers, William L. Smith, and Benjamin F. Wilson. Cheryl F. Campbell attended by videoconference, as permitted by the Corporation’s Bylaws. No director was absent.

Also present at the offices of the Corporation were Julius Cox, Christopher A. Foster, Jason M. Glickman, Carla J. Peterman, Marlene M. Santos, John R. Simon, Sumeet Singh, Ajay Waghray, Alejandro Vallejo, A. Wade Smith, Brian M. Wong, Lisa J. Crawford, and Jenny Kan.

Quorum present, Mr. Flexon, Chair of the Board of the Corporation, presided as chair of the concurrent meeting. Mr. Wong served as secretary of the meeting.

Mr. Wong opened the meeting with brief remarks about meeting safety. Mr. Flexon shared recent announcements regarding certain Board members and recognized and thanked Angelita Tapang of the Corporate Secretary’s department for over forty years of service at PG&E.

[THE FOLLOWING PARAGRAPH CONTAINS ATTORNEY-CLIENT PRIVILEGED AND CONFIDENTIAL INFORMATION.]



[END OF PRIVILEGED AND CONFIDENTIAL INFORMATION.]

Following the discussion, Sujit Bhattacharya, Operational Observer, Filsinger Energy Partners joined the meeting by videoconference.

Referring to materials that had been provided to the directors in advance of the meeting and that are included in the records of this Board (“Board materials”), Mr. Singh gave a

---

<sup>1</sup> Certain portions of these minutes are attorney-client privileged and confidential, and are identified as such.

BOARD MEETING – June 16, 2022  
PG&E CORPORATION

safety training on PG&E's Safety Excellence Management System, which is a systematic and comprehensive approach to health and safety. He discussed the expanded focus on public safety, process safety, and controls; Keys to Life; and industry benchmarking. The directors asked questions and discussed, among other things, human performance, safety culture, and implementation of Lean operating system practices.

Next, Mr. Foster gave a financial update, referring to the Board materials. He also discussed the stock market's views, core earnings forecast, and the Companies' voluntary separation program. Directors asked questions, and a discussion ensued.

At this point, Janisse Quiñones and Fong Wan entered the meeting.

Referring to Board materials, Mr. Glickman, with the participation of Ms. Quiñones and Mr. Wan, led a discussion on the future of the Utility's gas system, a key part of the Companies' True North Strategy. Mr. Glickman explained how the Utility is actively planning for a range of scenarios and potential impacts from various factors, including technological advances, customer demand, State policy goals, while ensuring continued safe, reliable, and affordable gas operations. Ms. Quiñones discussed steps the Utility is taking to evolve the gas system, pursue targeted electrification, and reduce carbon emissions through projects, such as renewable natural gas connections and hydrogen blending. The directors asked questions and discussed, among other things, public health and indoor air pollution, customer affordability, and gas pipeline safety.

Following the discussion, Ms. Quiñones and Mr. Bhattacharya left the meeting.

After a brief recess, Ms. Peterman gave a presentation on regulatory and policy strategy, which is reflected in the Board materials. This included an update on the Corporate Affairs 2022 focus areas, and the connection between policy and regulatory goals and the Companies' True North Strategy. Ms. Peterman led a discussion on regulatory and policy trends, engagement with policymakers, and progress on stakeholder engagement and coalition building. The directors asked questions and discussed, among other things, relationships with municipalities, and federal policy and funding.

At this point, David Leach entered the meeting.

Referring to Board materials, Mr. Leach, with the participation of Mr. Vallejo, provided an update on data management, data analytics, and data integrity. They shared management's 2022 priorities and five- and ten-year goals for data management and analytics. Directors asked questions, and a discussion ensued, including strategies for change management.

Following the presentation, Mr. Leach and Mr. Vallejo left the meeting. Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Simon, Mr. Singh, Mr. W. Smith, Mr. Waghray, Mr. Wan, Ms. Crawford, and Ms. Kan were excused from the meeting.

BOARD MEETING – June 16, 2022  
PG&E CORPORATION

Ms. Poppe and Mr. Cox led a discussion on succession planning at the senior leadership team level, including the talent pipeline, diversity of identified successors, and emergency replacements. Directors asked questions, and a discussion ensued.

At this point, Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Simon, Mr. Singh, Mr. W. Smith, Mr. Waghray, Mr. Wan, Ms. Crawford, and Ms. Kan returned to the meeting.

Next, Ms. Peterman provided an update on Diablo Canyon Power Plant (DCPP). She shared the status of a trailer bill in the State legislative session that would assist with funding any interim activities to potentially extend the operations of DCPP, if the company were so directed by the state government, potential next steps and timing for any such activity, and the regulatory actions needed. The directors asked questions and discussed, among other things, value and affordability for customers, environmental reviews, and federal funding.

Following the discussion, Mr. Wan left the meeting.

Mr. Ferguson, Chair of the Corporation's People and Compensation Committee, led a discussion on the Committee's recommendations that the independent members of the Corporation Board approve changes to the equity grant component of Non-Employee Director compensation. Mr. Ferguson invited questions and discussion on this recommendation. On motion made and seconded, the Board approved the recommendation as presented.

Mr. Seavers, Chair of the Corporation's Finance and Innovation Committee, led a discussion on the Committee's recommendation that the Board authorize an additional \$110.8 million through December 2026 to implement the Communications Infrastructure Program. He invited questions and discussion on these recommendations. On motion made and seconded, the Board approved the recommendation as presented.

Ms. Denecour, Chair of the Corporation's Sustainability and Governance Committee, reported on the key topics discussed at the Committee's most recent meeting, including a proposed change to the annual self-evaluation of the independent directors.

Ms. Campbell, Chair of the Corporation's Safety and Nuclear Oversight (SNO) Committee, presented the committee's First Quarter 2022 Wildfire Mitigation Plan Performance Report to the Board. This included a discussion of related Board materials.

Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Simon, Mr. Singh, Mr. W. Smith, Mr. Waghray, Ms. Crawford, and Ms. Kan left the meeting, and the Board continued in executive session with Ms. Poppe and Mr. Wong present.

The directors continued their discussion regarding matters reflected on the agenda.



BOARD MEETING – June 16, 2022  
PG&E CORPORATION

Ms. Poppe and Mr. Wong were excused, and the independent directors met in executive session to discuss various matters.

There being no further business presented for action, on motion made and seconded, the meeting was adjourned at 3:00 p.m.

\

BRIAN M. WONG  
Secretary

PRIVILEGED AND CONFIDENTIAL<sup>1</sup>  
BOARD MEETING – June 16, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

A regular meeting of the Board of Directors of Pacific Gas and Electric Company (Utility) was held at the offices of the Utility, 300 Lakeside Drive, Oakland, California, on Thursday, June 16, 2022, at 8:00 AM Pacific Time. The meeting was held concurrently with a meeting of the PG&E Corporation (Corporation and, together with the Utility, the Companies or PG&E) Board of Directors.

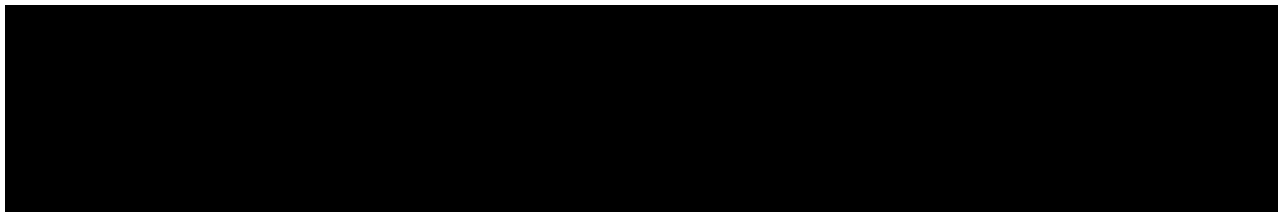
Present at the beginning of the meeting were directors Rajat Bahri, Kerry W. Cooper, Jessica L. Denecour, Mark E. Ferguson III, Robert C. Flexon, W. Craig Fugate, Arno L. Harris, Carlos M. Hernandez, Michael R. Niggli, Patricia K. Poppe, Dean L. Seavers, William L. Smith, and Benjamin F. Wilson. Cheryl F. Campbell attended by videoconference, as permitted by the Utility's Bylaws. Director Adam L. Wright was absent.

Also present at the offices of the Corporation were Julius Cox, Christopher A. Foster, Jason M. Glickman, Carla J. Peterman, Marlene M. Santos, John R. Simon, Sumeet Singh, Ajay Waghray, Alejandro Vallejo, A. Wade Smith, Brian M. Wong, Lisa J. Crawford, and Jenny Kan.

Quorum present, Mr. Flexon, Chair of the Board of the Corporation, presided as chair of the concurrent meeting. Mr. Wong served as secretary of the meeting.

Mr. Wong opened the meeting with brief remarks about meeting safety. Mr. Flexon shared recent announcements regarding certain Board members and recognized and thanked Angelita Tapang of the Corporate Secretary's department for over forty years of service at PG&E.

[THE FOLLOWING PARAGRAPH CONTAINS ATTORNEY-CLIENT PRIVILEGED AND CONFIDENTIAL INFORMATION.]



[END OF PRIVILEGED AND CONFIDENTIAL INFORMATION.]

Following the discussion, Sujit Bhattacharya, Operational Observer, Filsinger Energy Partners joined the meeting by videoconference.

Referring to materials that had been provided to the directors in advance of the meeting and that are included in the records of this Board ("Board materials"), Mr. Singh gave a

---

<sup>1</sup> Certain portions of these minutes are attorney-client privileged and confidential, and are identified as such.

BOARD MEETING – June 16, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

safety training on PG&E's Safety Excellence Management System, which is a systematic and comprehensive approach to health and safety. He discussed the expanded focus on public safety, process safety, and controls; Keys to Life; and industry benchmarking. The directors asked questions and discussed, among other things, human performance, safety culture, and implementation of Lean operating system practices.

Next, Mr. Foster gave a financial update, referring to the Board materials. He also discussed the stock market's views, core earnings forecast, and the Companies' voluntary separation program. Directors asked questions, and a discussion ensued.

At this point, Janisse Quiñones and Fong Wan entered the meeting.

Referring to Board materials, Mr. Glickman, with the participation of Ms. Quiñones and Mr. Wan, led a discussion on the future of the Utility's gas system, a key part of the Companies' True North Strategy. Mr. Glickman explained how the Utility is actively planning for a range of scenarios and potential impacts from various factors, including technological advances, customer demand, State policy goals, while ensuring continued safe, reliable, and affordable gas operations. Ms. Quiñones discussed steps the Utility is taking to evolve the gas system, pursue targeted electrification, and reduce carbon emissions through projects, such as renewable natural gas connections and hydrogen blending. The directors asked questions and discussed, among other things, public health and indoor air pollution, customer affordability, and gas pipeline safety.

Following the discussion, Ms. Quiñones and Mr. Bhattacharya left the meeting.

After a brief recess, Ms. Peterman gave a presentation on regulatory and policy strategy, which is reflected in the Board materials. This included an update on the Corporate Affairs 2022 focus areas, and the connection between policy and regulatory goals and the Companies' True North Strategy. Ms. Peterman led a discussion on regulatory and policy trends, engagement with policymakers, and progress on stakeholder engagement and coalition building. The directors asked questions and discussed, among other things, relationships with municipalities, and federal policy and funding.

At this point, David Leach entered the meeting.

Referring to Board materials, Mr. Leach, with the participation of Mr. Vallejo, provided an update on data management, data analytics, and data integrity. They shared management's 2022 priorities and five- and ten-year goals for data management and analytics. Directors asked questions, and a discussion ensued, including strategies for change management.

Following the presentation, Mr. Leach and Mr. Vallejo left the meeting. Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Simon, Mr. Singh, Mr. W. Smith, Mr. Waghray, Mr. Wan, Ms. Crawford, and Ms. Kan were excused from the meeting.

BOARD MEETING – June 16, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

Ms. Poppe and Mr. Cox led a discussion on succession planning at the senior leadership team level, including the talent pipeline, diversity of identified successors, and emergency replacements. Directors asked questions, and a discussion ensued.

At this point, Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Simon, Mr. Singh, Mr. W. Smith, Mr. Waghray, Mr. Wan, Ms. Crawford, and Ms. Kan returned to the meeting.

Next, Ms. Peterman provided an update on Diablo Canyon Power Plant (DCPP). She shared the status of a trailer bill in the State legislative session that would assist with funding any interim activities to potentially extend the operations of DCPP, if the company were so directed by the state government, potential next steps and timing for any such activity, and the regulatory actions needed. The directors asked questions and discussed, among other things, value and affordability for customers, environmental reviews, and federal funding.

Following the discussion, Mr. Wan left the meeting.

Mr. Ferguson, Chair of the Corporation's People and Compensation Committee, led a discussion on the Committee's recommendations that the independent members of the Utility Board approve the 2022 performance goals and objectives for the Utility principal executive officers, namely, Ms. Santos, Mr. Glickman, and Mr. Wright. Mr. Ferguson invited questions and discussion on this recommendation. On motion made and seconded, the Board approved the recommendation as presented.

Mr. Seavers, Chair of the Corporation's Finance and Innovation Committee, led a discussion on the Committee's recommendations that the Board (1) authorize an additional \$110.8 million of expenditures through December 2026, as well as execution of related agreements, to implement the Communications Infrastructure Program, (2) approve the Utility Common Stock Dividend Policy, a common stock cash dividend target payout ratio of 70% of the Utility's core earnings, (3) approve (a) the reinstatement of an annual Utility common stock cash dividend and (b) the declaration of a cash dividend on the Utility's common stock for the second quarter of 2022, in the aggregate amount of \$425 million from the Utility's retained earnings, payable to the common shareholder, the Corporation, no later than June 30, 2022 (see Appendix A, Resolution 1), and (4) declare a regular preferred stock dividend for the three-month period ending July 31, 2022. He invited questions and discussion on these recommendations. On motion made and seconded, the Board approved the recommendations as presented.

Ms. Denecour, Chair of the Corporation's Sustainability and Governance Committee, reported on the key topics discussed at the Committee's most recent meeting, including a proposed change to the annual self-evaluation of the independent directors.

BOARD MEETING – June 16, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

Ms. Campbell, Chair of the Utility's Safety and Nuclear Oversight (SNO) Committee, presented the committee's First Quarter 2022 Wildfire Mitigation Plan Performance Report to the Board. This included a discussion of related Board materials.

Mr. Foster, Mr. Glickman, Ms. Peterman, Ms. Santos, Mr. Simon, Mr. Singh, Mr. W. Smith, Mr. Waghray, Ms. Crawford, and Ms. Kan left the meeting, and the Board continued in executive session with Ms. Poppe and Mr. Wong present.

The directors continued their discussion regarding matters reflected on the agenda.

Ms. Poppe and Mr. Wong were excused, and the independent directors met in executive session to discuss various matters.

There being no further business presented for action, on motion made and seconded, the meeting was adjourned at 3:00 p.m.

BRIAN M. WONG  
Secretary

**ATTACHMENT A**

**Resolution 1**

WHEREAS, the Board has determined that it is appropriate and in the best interests of this company to resume the payment of dividends on its common stock;

WHEREAS, in connection with approving the holding company structure in Decision No. 96 11 017, as modified by Decision No. 99 04 068, the California Public Utilities Commission (the “Commission” or “CPUC”) imposed certain conditions (the “Holding Company Conditions”) relating to the financial and operational integrity of this company, including those referred to below;

WHEREAS, Holding Company Condition 11 and CPUC Affiliate Transaction Rule IX.B. require (i) that this company maintain a balanced capital structure consistent with that determined to be reasonable by the Commission in its most recent decision on the company’s capital structure, (ii) that the company shall maintain sufficient equity such that the Commission’s adopted capital structure for the company shall be maintained on average over the period the capital structure is in effect for ratemaking purposes, and (iii) that the company file an application with the Commission for a waiver if an adverse financial event reduces the company’s equity ratio by one percent (1%) or more;

WHEREAS, the Commission previously authorized a common equity ratio of 52 percent, a preferred equity ratio of 0.5 percent, and a debt ratio of 47.5 percent for this company for the period that the Commission’s adopted capital structure for the company is in effect for ratemaking purposes;

WHEREAS, in connection with approving this company’s reorganization plan in Decision No. 20-05-053 (the “Decision”), the Commission granted this company a limited waiver from its authorized capital structure for a period of five years from the date of the Decision, which was May 28, 2020, subject to the terms of the Decision and the further clarification regarding the requirements of the waiver explained in Decision No. 20-12-025;

WHEREAS, Holding Company Condition 12 requires that the Board establish the dividend policy of this company as though the company were a comparable stand-alone utility company, and the declaration and payment of the dividend authorized by this resolution have been determined on that basis;

WHEREAS, Holding Company Condition 14 requires that the PG&E Corporation Board of Directors give first priority to this company’s capital requirements, as determined to be

BOARD MEETING – June 16, 2022  
PACIFIC GAS AND ELECTRIC COMPANY

necessary and prudent to meet the company's obligation to serve or to operate the company in a prudent and efficient manner;

WHEREAS, the Executive Vice President, Operations and Chief Operating Officer and the Vice President, Chief Financial Officer and Controller of this company have certified to this Board that the declaration and payment of a cash dividend on the company's common stock comply with or do not violate said Holding Company Conditions, to the extent applicable, are in compliance with the requirements of the California Corporations Code relating to distributions to shareholders, including Sections 500 and 501, and are in compliance with the company's Restated Articles of Incorporation, and this company is in compliance with the terms of the limited capital structure waiver granted in the Decision and further clarified in Decision No. 20-12-025; and

WHEREAS, the Board has relied on said certificate in taking the actions authorized by this resolution, and, after giving effect to the payment of the dividend declared pursuant to this resolution, the Board has determined that this company has sufficient capital to fulfill its obligations to serve and to operate in a prudent and efficient manner, and that the declaration and payment of a cash dividend on the company's common stock otherwise comply with or do not violate said Holding Company Conditions, to the extent applicable, are in compliance with the requirements of the California Corporations Code relating to distributions to shareholders, including Sections 500 and 501, and are in compliance with this company's Restated Articles of Incorporation;

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves this company's common stock dividend policy included as Exhibit A and a common stock cash dividend target payout ratio of 70% of the company's core earnings;

BE IT FURTHER RESOLVED that the Board approves the resumption of annual cash dividend payments on this company's common stock;

BE IT FURTHER RESOLVED that a cash dividend in the aggregate amount of \$425 million is hereby declared on this company's common stock for the 2nd quarter of 2022, from the company's retained earnings, and that such cash dividend shall be payable no later than the 30th day of June 2022 to those persons who at the start of business on such date are the owners and holders of record upon the books of this company of such stock, or to their respective executors, administrators, or assigns; and

BE IT FURTHER RESOLVED that the officers, counsel, and Transfer Agent of this company are hereby authorized, jointly and severally, to take such action and execute such agreements and documents on behalf of this company as may in their judgment be necessary, convenient, or appropriate to carry out the foregoing resolution.