

65	OEIS	002	OEIS_002	11	No	OEIS_002_011	Regarding PG&E 2028-21 Identification of High-Risk Species for Protected Tree Inspections On page 931 of its 2028-2029 WMP, PG&E defines "criteria for determining which [tree] species warrant increased scrutiny during Pruning. The inspections and other inspections." PG&E states that it provides Vegetation Management Inspections (VMI) historical outage data and documents a "baseline" [that allows the user to] refer to the circuit or CPZ level to view historical outage and ignition causes by species, diameter, and failure."	a. PG&E able to calculate outage and ignition probabilities by tree species at the CPZ level? b. PG&E has calculated outage probability by tree species at the eco-region level. There is not enough data at the CPZ level to confidently estimate the cost of ignition probability of tree species at such a granular level. The plans to evaluate ignition probability of tree species at the eco-region level by 2025. At present, we are going to use this information to inform our vegetation management program.	Nathan Poon	4/11/2025	4/16/2025	4/16/2025	https://www.pge.com/assets/ign/acc/outage/acc_outage_probability_by_species_and_support/2028-2029_002.xlsx	0	No	ACI PG&E-238-15	ACI PG&E-238-15	ACI PG&E-238-15
67	OEIS	002	OEIS_002	12	No	OEIS_002_012	Regarding Integrated Vegetation Management (VM-15) On page 384 of its 2028-2029 WMP, PG&E states that "VM [transmission integrated vegetation management] LDM rate, assesses vegetation conditions by electric transmission lines (ETL)." On page 386, PG&E targets 17,300 miles annually for its Routine Transmission Patrol (VM-13) and 3,825 circuit miles annually for its Transmission Hazard Patrol (VM-14). c. On the Routine Transmission Patrol (VM-13) and the Transmission Hazard Patrol (VM-14) also capture the LDM rate used for TVM? d. Can the number of circuit miles PG&E inspects annually using LDM to assess transmission rights-of-way for VM?	a. Yes, TVM allows the same LDM collection as Routine Transmission Patrol (VM-13) and Transmission Hazard Patrol (VM-14). The circuit mileage to assess transmission rights-of-way for VM (VM-15) are the same as the circuit mileage assessed for Routine Transmission Patrol (VM-13), which is approximately 17,300 circuit miles systemwide. b. Forcing annual work to be allocated to capture imagery for the Transmission Hazard Patrol program. c. PG&E does not collect any other remote sensing data besides ortho-imagery during Transmission Hazard Patrol (VM-14). d. See "WMP-Discovery2028-2029_DR_OEIS_002-Q013AaH01.pdf".	Nathan Poon	4/11/2025	4/16/2025	4/16/2025	https://www.pge.com/assets/ign/acc/outage/acc_outage_probability_by_species_and_support/2028-2029_002.xlsx	0	No	9	Vegetation Management & Inspections	6.7
68	OEIS	002	OEIS_002	13	No	OEIS_002_013	Regarding risk model documentation a. Page 4 of PG&E's Wildlife Consequence Model Version 4 (WCM-v4) Documentation includes "RADA Argentina and Methodology" under a list of documents as part of the documentation suite for the Wildlife Distribution Risk Model (WDRM) v4. Provide a copy of that document. b. In figure 2-4, RADA Protocol (WDRM-v4) page 20 of PG&E's Wildlife Distribution Risk Model Version 4 (WDRM-v4) Documentation shows that the following components are not included in the WDRM plan: Insulator Corrosion Impact, Public Safety Risk due to Public Safety Risk Model v1, Public Safety Consequence U2, and Reliability Consequence V1. c. Why are these components not included in WDRM plan? d. Provide documentation that captures and discloses these components, similar to the documentations provided for the WDRM-v4 WCM-v4 and WCM-v4.	a. The Insulator Corrosion model is under development for the WTR but is not completed. It will be documented with the other transmission models, which are separate from the WDRM. Models for Reliability and Public Safety risk are separate from the WDRM planning models, which are separate from the WDRM planning models. b. Reliability and Public Safety risk models are not considered components of the WDRM and are not currently used for wildfire mitigation planning.	Nathan Poon	4/11/2025	4/21/2025	4/21/2025	https://www.pge.com/assets/ign/acc/outage/acc_outage_probability_by_species_and_support/2028-2029_002.xlsx	1	No	Appendix B	Supporting Documentation for Risk Methodology	Appendix B
69	OEIS	002	OEIS_002	14	No	OEIS_002_014	Regarding suppression and agency impacts On page 32 of PG&E's Wildlife Consequence Model Version 4 (WCM-v4) Documentation, PG&E states that "This was not the original expectation for adding the wildfire suppression and public Egress impacts, resulting in additional efforts to validate the results and confirm the model development" when discussing the adjusted consequence curve and associated work to mitigate 80% of the wildfire risk. a. How did PG&E calculate the response associated with mitigating 80% of the wildfire risk? b. What "additional efforts" were completed for model development as a result of this finding? c. How did any efforts resulting in response to this validation impact the consequence curve? Provide copies of the curve before and after. d. Provide a timeline showing how PG&E calculated the associated mileage of work needed to mitigate 80% of the wildfire risk before and after.	a. The plots were generated by creating risk rankings for all circuit segments with associated consequence levels using the PG&E wildfire consequence risk values. Approximated risk values were calculated using release candidate asset probability data that was converted into scaled values for simplified consequence and aggregation modified times the base and adjusted consequence values. Processing the circuit segments in order of their risk rank, each circuit segment's normalized risk value, as a percentage of normalized risk in the service territory, was sequentially subtracted from 100% to form the data series for y-axis values for the bootstrap curves. The data series was formed by creating a running total of risk for each circuit segment. WMP-Discovery2028-2029_DR_OEIS_002-Q014 Page 2 b. The authors highlighted from the Wildlife Consequence Model v4 documentation that incorporating the agency and suppression impacts into wildfire consequence resulted in risk bootstrap curves that showed that the number of miles that needed to be underground to mitigate 80% of the wildfire risk was higher than anticipated. As a result of this finding, the team conducted extra validation to confirm the results by evaluating against historical fire outcomes. The additional validation resulted in the removal of several lightning loss from the consequence weighting data set as described in Section 2.4.4 of page 12 of the consequence documentation. In the end, the team concluded that the general flattening of the risk bootstrap curves and adjusting consequence to agency and suppression were a correct outcome. c. As stated above in b.), lightning loss were taken out of the historical fire data set and used to calibrate the wildfire consequence model as they showed results for lines related to non-productive weather days, which resulted in slightly deeper bootstrap curves for both base and adjusted consequence. No changes were made that affected the Egress or Suppression impacts for the adjusted consequence. The wildfire differences between the base and adjusted consequence curves remained as depicted in Figure 20. d. The wildfire outcomes are described in the WCM-v4 documentation. Many of the corrective actions are identified in the WCM-v4 documentation on the single release and do not directly lead to changes in PG&E's wildfire mitigation efforts. However, PG&E conducts field actions to identify possible corrective actions, including corrective actions associated with some of PG&E's wildfire mitigation programs. The corrective actions listed below, which did lead to changes in our wildfire mitigation efforts, are based on threat analysis across many incidents along with input from subject matter experts who contribute to the investigation. The table below includes the mitigation efforts that have resulted from analyzing trends generated from the ignition investigation team along with various external systems associated with these corrective actions and causes thereof. Corrective Action Example Associated Release Cause Location Improvements to High Impedance Fault Protection (including improving time sensitive ground fault threshold and high 2025/30, 2025/60, 2025/90, 2025/120, 2025/150, 2025/180, 2025/210, 2025/240, 2025/270, 2025/300, 2025/330, 2025/360, 2025/390, 2025/420, 2025/450, 2025/480, 2025/510, 2025/540, 2025/570, 2025/600, 2025/630, 2025/660, 2025/690, 2025/720, 2025/750, 2025/780, 2025/810, 2025/840, 2025/870, 2025/900, 2025/930, 2025/960, 2025/990, 2026/000, 2026/030, 2026/060, 2026/090, 2026/120, 2026/150, 2026/180, 2026/210, 2026/240, 2026/270, 2026/300, 2026/330, 2026/360, 2026/390, 2026/420, 2026/450, 2026/480, 2026/510, 2026/540, 2026/570, 2026/600, 2026/630, 2026/660, 2026/690, 2026/720, 2026/750, 2026/780, 2026/810, 2026/840, 2026/870, 2026/900, 2026/930, 2026/960, 2026/990, 2027/000, 2027/030, 2027/060, 2027/090, 2027/120, 2027/150, 2027/180, 2027/210, 2027/240, 2027/270, 2027/300, 2027/330, 2027/360, 2027/390, 2027/420, 2027/450, 2027/480, 2027/510, 2027/540, 2027/570, 2027/600, 2027/630, 2027/660, 2027/690, 2027/720, 2027/750, 2027/780, 2027/810, 2027/840, 2027/870, 2027/900, 2027/930, 2027/960, 2027/990, 2028/000, 2028/030, 2028/060, 2028/090, 2028/120, 2028/150, 2028/180, 2028/210, 2028/240, 2028/270, 2028/300, 2028/330, 2028/360, 2028/390, 2028/420, 2028/450, 2028/480, 2028/510, 2028/540, 2028/570, 2028/600, 2028/630, 2028/660, 2028/690, 2028/720, 2028/750, 2028/780, 2028/810, 2028/840, 2028/870, 2028/900, 2028/930, 2028/960, 2028/990, 2029/000, 2029/030, 2029/060, 2029/090, 2029/120, 2029/150, 2029/180, 2029/210, 2029/240, 2029/270, 2029/300, 2029/330, 2029/360, 2029/390, 2029/420, 2029/450, 2029/480, 2029/510, 2029/540, 2029/570, 2029/600, 2029/630, 2029/660, 2029/690, 2029/720, 2029/750, 2029/780, 2029/810, 2029/840, 2029/870, 2029/900, 2029/930, 2029/960, 2029/990, 2030/000, 2030/030, 2030/060, 2030/090, 2030/120, 2030/150, 2030/180, 2030/210, 2030/240, 2030/270, 2030/300, 2030/330, 2030/360, 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84	SPD	001	SPD_001	21	No	SPD_001_G21	SPD is attempting to compute the cost per unit for many of the WMP initiatives tracked in the WMP Implementation Dashboard (WMP Implementation Dashboard). Review and confirm the cost per unit is correct for the initiatives. See the attached worksheet titled PGE WMP Implementation Dashboard.xlsx. a. Follow all of the instructions within the cells and values included in PGE WMP Implementation Dashboard.xlsx. b. SPD is attempting to do a similar exercise for the 2020-2023 WMP but the GH table data was not submitted. SPD was some of the data in the WMP, but was unable to determine if this data was inclusive of all initiatives. Where should SPD look for equivalent data?	Edie Schmidt 4/15/2025 5/7/2025 5/7/2025 https://www.pge.com/assets/docs/decisions-and-safety/mitigation-preparations-and-support/2020-2023-SPD_001.xlsx	1	No	3	Overview of WMP	3.8
84	SPD	001	SPD_001	21(a)	Yes	SPD_001_G21(a)	SPD is attempting to compute the cost per unit for many of the WMP initiatives tracked in the WMP Implementation Dashboard (WMP Implementation Dashboard). Review and confirm the cost per unit is correct for the initiatives. See the attached worksheet titled PGE WMP Implementation Dashboard.xlsx. a. Follow all of the instructions within the cells and values included in PGE WMP Implementation Dashboard.xlsx. b. SPD is attempting to do a similar exercise for the 2020-2023 WMP but the GH table data was not submitted. SPD was some of the data in the WMP, but was unable to determine if this data was inclusive of all initiatives. Where should SPD look for equivalent data?	Edie Schmidt 4/15/2025 5/22/2025 5/22/2025 https://www.pge.com/assets/docs/decisions-and-safety/mitigation-preparations-and-support/2020-2023-SPD_001.xlsx	1		3	Overview of WMP	3.8
95	SPD	001	SPD_001	22	No	SPD_001_G22	The 2020-2023 WMP states on page 182 that the System Hardening Project Scoping Decision Tree and Process is shown in Figures PGE&E-2.1.1, PGE&E-2.1.2, and PGE&E-2.1.3 will begin to inform the selection of projects in 2027. What methodology is being used for 2027?	Edie Schmidt 4/15/2025 4/18/2025 4/18/2025 https://www.pge.com/assets/docs/decisions-and-safety/mitigation-preparations-and-support/2020-2023-SPD_001.xlsx	0	No	8	Grid Design, Operations, and Maintenance	8.2.1
96	SPD	001	SPD_001	23	No	SPD_001_G23	Provide a narrative explanation regarding how the decision tree on pgs. 125 of PGE's 2020-2023 WMP (Figures PGE&E-2.1.1-4) and the decision tree on pgs. 183-185 (Figures PGE&E-2.1.1, and PGE&E-2.1.2-3) are related. a. Provide examples of how the four decision trees were used to determine some form of system hardening to the selected mitigation at a given circuit segment. The examples should include all of the system hardening needs made possible by these four decision trees.	Edie Schmidt 4/15/2025 4/18/2025 4/18/2025 https://www.pge.com/assets/docs/decisions-and-safety/mitigation-preparations-and-support/2020-2023-SPD_001.xlsx	0	No	6	Wildfire Mitigation Strategy Development	6.1.3
97	SPD	001	SPD_001	24	No	SPD_001_G24	In response to WMP-Discovery2020-2028_DR_TURN_2022-G006, PG&E references the Wildfire Benefit Cost Analysis (WBSCA) Tool. Provide a description of the WBSCA Tool as referenced in PG&E's 5th Revision to its 2020-2023 WMP on pgs. 425 and on page 182 of the 2020-2023 WMP that includes the following: a. An explanation of how the WBSCA Tool is utilized within the Tool. b. An explanation of how the Tool compares with the requirements of D.22-12-027. c. An explanation of how the Tool compares with the requirements of D.24-02-564. d. A definition for each of the following terms presented in TABLE PGE&E-22-05-3 of PG&E's 5th Revision to its 2020-2023 WMP on pgs. 427: i. PV/RP Cap. Invest ii. Lifetime - CR Costs iii. Lifetime - CR Costs iv. Public Safety v. Normal Reliability vi. EPIS vii. Total Risk viii. Risk Avoidance over Lifetime Benefit ix. Potential Risk over Lifetime x. Lifetime - Benefit Cost a. Provide a step by step explanation of how each of the terms in Question 24d, are calculated.	Edie Schmidt 4/15/2025 4/20/2025 4/20/2025 https://www.pge.com/assets/docs/decisions-and-safety/mitigation-preparations-and-support/2020-2023-SPD_001.xlsx	0	No	5	Risk Methodology & Assessment	5.4
98	SPD	001	SPD_001	25	No	SPD_001_G25	State the steps where PG&E has used the Wildfire Benefit Cost Analysis Tool (i.e., RAMP, CRC, WMP, other (provide any links)). a. Does PG&E intend to apply the Wildfire Benefit Cost Analysis Tool in its 2027 Year CRC Application? b. If yes, explain why not. c. If yes, explain how this tool will be applied in the 2027 Year CRC Application. d. Which mitigations presented in the 2024 RAMP Application will be impacted by PG&E's use of the Wildfire Benefit Cost Analysis Tool when PG&E files its 2027 Year CRC Application?	Edie Schmidt 4/15/2025 4/18/2025 4/18/2025 https://www.pge.com/assets/docs/decisions-and-safety/mitigation-preparations-and-support/2020-2023-SPD_001.xlsx	0	No	5	Risk Methodology & Assessment	5.4

154	MORA	005	MORA_005	2	No	MORA_005_02	Exposition MORA-2 During a meeting of the Risk Mitigation Working Group, I recall one of the PG&E team stating that they had looked at the CalFire ignition database to determine whether weather forecast conditions affected the probability of successful wildfire. a. Did PG&E ever perform an analysis similar to that described? b. If the answer to (a) is yes, please provide the results. c. Is the PG&E FPI model available through a public interface? i.e. if a latitude, longitude, and time is provided can a corresponding FPI value be returned? d. If the answer to (c) is no, to what is the approximate volume of PG&E's FPI history could it potentially be exported, and how much time (days and effort) would be required? e. As PG&E's FPI algorithm has changed over time, has PG&E segregated historical periods with different FPI approaches? Or has it revised its history with the most recent FPI version?	Joseph Mitchell	4/25/2025	4/30/2025	4/30/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-005-005A01.pdf	1	No	Appendix D	Appendix D: Areas of Continued Improvement	ACI PG&E-238-03
155	MORA	005	MORA_005	3	No	MORA_005_03	Covered Conductor MORA-3 In Table PG&E-8.2.1-4 COVERED CONDUCTOR AND UNDERGROUNDING IMPACTS ON THE LIKELIHOOD OF IGNITION, PG&E's analysis of Wire-to-Wire contact links the effectiveness of Covered Conductor as measured by testing this risk source, whereas other parties seek this as a high effectiveness. a. Please justify why wire-to-wire contact is only reduced to a medium outage prevention. b. Please provide examples in which wire to wire contact between covered conductors resulted in an outage and under what conditions.	Joseph Mitchell	4/25/2025	4/30/2025	4/30/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-005-005A02.pdf	0	No	8	Grid Design, Operations, and Maintenance	8.2.1
156	MORA	005	MORA_005	4	No	MORA_005_04	Advanced Technology MORA-4 Please direct us to provide the technical details of Gridscope and EFD.	Joseph Mitchell	4/25/2025	4/30/2025	4/30/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-005-005A03.pdf	0	No	10	Situational Awareness and Forecasting	10.3.1
157	MORA	005	MORA_005	5	No	MORA_005_05	Weather MORA-5 Possible a list of the 511 worst weather days, along with a geographic location associated with the designation (polygon, counties, etc.). a. FPI b. Double wind event classifier. c. Associated meteorologic variables d. Any other notes or comments added by the meteorological team	Joseph Mitchell	4/25/2025	4/30/2025	4/30/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-005-005A04.pdf	3	No	Appendix D	Appendix D: Areas of Continued Improvement	ACI PG&E-238-03
158	OEIS	006	OEIS_006	1	No	OEIS_006_01	Regarding PPS Impact In response to data request OEIS-P-WMP-2025-PG&E-003, Question 3, PG&E states that "the criteria for determining whether a small protection area is affected by PPS is binary and PG&E considers the likelihood of whether there is PPS impact or not." Provide the following based on the CPDs in which there is PPS impact. a. The parameters to test critical outage b. The associated total critical outage impacted c. The percentage by total number of CPDs in the WFA d. The associated number of CPDs impacted	Nathan Poon	4/25/2025	4/30/2025	4/30/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-006-006A01.pdf	0	No	8	Grid Design, Operations, and Maintenance	8.2.1
159	OEIS	006	OEIS_006	2	No	OEIS_006_02	Regarding the Wireline Risk Bow Tie Figure PG&E-6.1.1-2 shows the risk bow tie for wildfire risk on page 47 of the 2020-2028 Base WMP. a. Please list updated versions of the figure for distribution risk and transmission risk. b. The figure shows that expected wildfire failure and vegetation contact make up 49% and 23%, respectively, of the risk events per year based on frequency. However, it shows that both make up 50% of the risk. c. Provide the formulae used to determine the number of events per year within the figure. d. Provide a definition for what qualifies as an "event" within the figure (i.e., outage, ignition). e. Given the base meteorological dataset frequency of risk event, provide a detailed description of the factors that lead to vegetation contact having a similar risk percentage to expected wildfire (i.e., proportionally higher consequence or probability) after accounting for the lower frequency.	Nathan Poon	4/25/2025	4/30/2025	4/30/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-006-006A02.pdf	0	No	5	Risk Methodology & Assessment	5.1.1
160	OEIS	006	OEIS_006	3	No	OEIS_006_03	Regarding the Model Validation a. Page 57 of the 2020-2028 Base WMP states that "The models use PPS guidance criteria to perform a back-cast using our 30+ year climatological dataset." b. Provide a detailed description of the climatological dataset. c. Provide a list of the variables contained within the dataset. d. Provide a detailed description of the validation performed on the dataset and results of the validation, as well as documentation of the validation performed on the operational weather modeling presented in (https://doi.org/10.33555/whm15101244). e. Table 5-1 on page 57 of the 2020-2028 Base WMP includes a description of FPI and FPI models, stating that the weather model forecasts are "MRF and self-validation." f. Provide a detailed description of these weather model forecasts. g. Provide a list of variables that these weather models forecast. h. Provide a detailed description of the validation performed on the weather model forecasts and results of the validation, as well as documentation of the validation performed on the operational weather modeling presented in (https://doi.org/10.33555/whm15101244).	Nathan Poon	4/25/2025	4/30/2025	4/30/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-006-006A03.pdf	4	No	Appendix D	Appendix D: Areas of Continued Improvement	ACI PG&E-238-03
161	OEIS	006	OEIS_006	4	No	OEIS_006_04	Regarding EPSS Risk a. When EPSS is not enabled, roughly 85-90% of the outages are sustained and 10-15% are not sustained outages when EPSS is enabled so that the baseline outage risk can be calculated from the EPSS enabled risk. b. Provide the number of outages that are within that factor, including the number of customer minutes interrupted associated with those outages. c. Provide the number of outages used prior to the removal of baseline outages discussed in part (a), including the associated customer minutes interrupted.	Nathan Poon	4/25/2025	5/14/2025	5/14/2025	https://www.pge.com/assets/legals/dec/dec-04-2025-006-006A04.pdf	0	No	Appendix D	Appendix D: Areas of Continued Improvement	ACI PG&E-250-06

191	SPD	004	SPD_004	27	No	SPD_004_027	List all of the feasibility constraints that are relevant to the decision here found in Figures PG&E-8.2.1-1, PG&E-8.2.2, and PG&E-8.2.3 in the 2026-2028 Base WMP. a. How are these feasibility constraints operationalized within these decision trees? b. How are these feasibility constraints qualified? c. How are these feasibility constraints addressed in PG&E's Cost Benefit Analysis?	PG&E expects that the request is constrained because there are many potential feasibility constraints depending on the specific cross-constraints of a given case. One of the extensive range of feasibility constraints that may be considered in the design of underground, covered conduits, and live removal projects. It is impractical, if not impossible, to enumerate all potential factors. Therefore, although the list provided below attempts to thoroughly and fairly represent feasibility constraints that significantly impact the program, it may not be an exhaustive list. Below are primary examples of feasibility constraints considered within the scoping process: • High-voltage dependencies and permitting requirements from federal, state and local agencies. • Soil impacts, such as grade/hardened risk, waterway crossings, bio, cultural and environmental. • Terrain impacts, such as the need for retaining walls, grading/access, and vegetation removal. • Adhesives and other contaminants that are known to exist in the project scope. • Construction and material restrictions, such as bid work, helicopter work, special equipment. • Equipment and customer engagement limitations to building the scope. • Constructability of alternatives whether it be due to overhead limitations or subgrade. a. Feasibility constraints are operationalized within the decision tree starting with a lead engineer who constructs a desktop feasibility review and determines a preliminary proposed scope that we compare to available alternatives. This preliminary proposed scope is used to a greater scoping team who completes a combination of field and desktop reviews targeted at the locations proposed for work. The various reviews are evaluated in a desktop scoping meeting where the proposed scope may be modified to ensure constructability and to address dependencies that may impact timing and cost. b. Feasibility constraints influence the construction mode of projects. For example, if there is a steep terrain or significantly hard rock, the mode will be adjusted based on the location of the constraints. Cost-related feasibility factors are incorporated into the design. c. To date the CPUC has not adopted any Risk Tolerance standard. Accordingly we do not use any methodology by PG&E or the CPUC regarding a Risk Tolerance standard to inform the design of the project or the project's risk management strategy. However, in preparing our mitigation strategies we employ our professional experience, expertise, and prudent judgment to assess the level of safety we are going to provide. We do not want to assert that risk levels are "tolerable." As the ALJ doing correctly puts it, not and cannot be. Establishing Risk Tolerance standards for California is a complex responsibility. We believe, however, that understanding the potential for catastrophic WMP Occurrence 2026-2028, CPD, SPD, 004-028 Page 2 risk consequences is an important factor to be considered along with cost-benefit analysis. d. There is no mitigation that needs to be recommended in light of this order. A specific risk tolerance threshold was not used as a justification for selecting these mitigation strategies. e. A specific risk tolerance threshold was not used in the decision trees.	4/30/2025	5/6/2025	5/6/2025	https://www.pge.com/assets/ops/dec/outage/dec-safety/feasibility-constraints-and-support/7026-SPD_004.pdf	0	No	8	Grid Design, Operations, and Maintenance	8.2.1
192	SPD	004	SPD_004	28	No	SPD_004_028	On page 124 in the 2026-2028 Base WMP, PG&E states that it has adopted a consistent treatment of risk tolerance in its risk assessment and mitigation strategies. In an Administrative Law Judge Ruling dated April 22, 2025 in the PG&E 2024 RAMP Proceedings, it is stated that PG&E was ordered to not refer to "risk tolerance" to justify risk mitigation activities in the 2027 GRC Risk Cases. a. Explain how the mitigation strategies in the 2026-2028 WMP will not be incorporated in light of the order. b. Explain how and why risk tolerance was used as a justification for selecting these mitigation strategies. c. Explain how the risk tolerance played in the decision trees found in Figures PG&E-8.2.1-1, PG&E-8.2.2, and PG&E-8.2.3 in the 2026-2028 Base WMP. d. Explain how these decision trees will change in light of the ALJ Ruling. e. Explain any other decision-making procedures, protocols, tools or other approaches when a treatment of risk tolerance was integrated into PG&E's mitigation selection process. f. Explain how these approaches will change in light of the ALJ Ruling.	a. Risk tolerance thresholds have not been integrated into PG&E's mitigation selection process in the 2026-2028 WMP. b. Yes, WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk by using a risk-averse Risk Reduction Function (also known as a Risk Rating Function) which gives a greater weight to the risk model in low frequency, high consequence events than to high frequency, low consequence events. c. Yes, the WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk as it influences the Cost-Benefit Analysis (CBA) provided by Enterprise Operational Risk Management. The CBA influences the MRF that is used as a standard to produce a single risk consequence value for historical fire outcomes (see below), situations described, and facilities (using revised data processing). This, in turn, impacts the risk values produced by the WMP. d. Yes, the WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk as it influences the Cost-Benefit Analysis (CBA) provided by Enterprise Operational Risk Management. The CBA influences the MRF that is used as a standard to produce a single risk consequence value for historical fire outcomes (see below), situations described, and facilities (using revised data processing). This, in turn, impacts the risk values produced by the WMP. e. Yes, the WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk as it influences the Cost-Benefit Analysis (CBA) provided by Enterprise Operational Risk Management. The CBA influences the MRF that is used as a standard to produce a single risk consequence value for historical fire outcomes (see below), situations described, and facilities (using revised data processing). This, in turn, impacts the risk values produced by the WMP. f. Yes, the WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk as it influences the Cost-Benefit Analysis (CBA) provided by Enterprise Operational Risk Management. The CBA influences the MRF that is used as a standard to produce a single risk consequence value for historical fire outcomes (see below), situations described, and facilities (using revised data processing). This, in turn, impacts the risk values produced by the WMP.	4/30/2025	5/6/2025	5/6/2025	https://www.pge.com/assets/ops/dec/outage/dec-safety/feasibility-constraints-and-support/7026-SPD_004.pdf	0	No	5	Risk Methodology & Assessment	5
193	SPD	004	SPD_004	29	No	SPD_004_029	Provide a detailed explanation of how PG&E addresses risk in its risk models presented in the 2026-2028 Base WMP? a. Is the EORM impacted by PG&E's approach to addressing wildfire risk? If so, how? If not, why not? b. Is the WORM impacted by PG&E's approach to addressing wildfire risk? If so, how? If not, why not? c. Is the WTRM impacted by PG&E's approach to addressing wildfire risk? If so, how? If not, why not?	a. Risk tolerance thresholds have not been integrated into PG&E's mitigation selection process in the 2026-2028 WMP. b. Yes, WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk by using a risk-averse Risk Reduction Function (also known as a Risk Rating Function) which gives a greater weight to the risk model in low frequency, high consequence events than to high frequency, low consequence events. c. Yes, the WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk as it influences the Cost-Benefit Analysis (CBA) provided by Enterprise Operational Risk Management. The CBA influences the MRF that is used as a standard to produce a single risk consequence value for historical fire outcomes (see below), situations described, and facilities (using revised data processing). This, in turn, impacts the risk values produced by the WMP. d. Yes, the WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk as it influences the Cost-Benefit Analysis (CBA) provided by Enterprise Operational Risk Management. The CBA influences the MRF that is used as a standard to produce a single risk consequence value for historical fire outcomes (see below), situations described, and facilities (using revised data processing). This, in turn, impacts the risk values produced by the WMP. e. Yes, the WMP's Risk-Based Model is impacted by PG&E's approach to addressing wildfire risk as it influences the Cost-Benefit Analysis (CBA) provided by Enterprise Operational Risk Management. The CBA influences the MRF that is used as a standard to produce a single risk consequence value for historical fire outcomes (see below), situations described, and facilities (using revised data processing). This, in turn, impacts the risk values produced by the WMP.	4/30/2025	5/30/2025	5/30/2025	https://www.pge.com/assets/ops/dec/outage/dec-safety/feasibility-constraints-and-support/7026-SPD_004.pdf	0	No	5	Risk Methodology & Assessment	5.4
194	SPD	004	SPD_004	30	No	SPD_004_030	Provide a detailed explanation of how PG&E applies the risk scoring function in its risk models presented in the 2026-2028 Base WMP? a. Is the risk scoring function applied to the EORM? If so, how? If not, why not? b. Is the risk scoring function applied to the WORM? If so, how? If not, why not? c. Is the risk scoring function applied to the WTRM? If so, how? If not, why not?	a. Yes, the same risk scoring function used in 2024 RAMP is applied to the EORM risk models presented in the 2026-2028 Base WMP. The risk scoring function is used to calculate the risk score for each risk, based on the risk rating function and the risk reduction function. The risk score is then used to determine the risk level, which is used to determine the risk management strategy. b. Yes, the same risk scoring function used in 2024 RAMP is applied to the WORM risk models presented in the 2026-2028 Base WMP. The risk scoring function is used to calculate the risk score for each risk, based on the risk rating function and the risk reduction function. The risk score is then used to determine the risk level, which is used to determine the risk management strategy. c. Yes, the same risk scoring function used in 2024 RAMP is applied to the WTRM risk models presented in the 2026-2028 Base WMP. The risk scoring function is used to calculate the risk score for each risk, based on the risk rating function and the risk reduction function. The risk score is then used to determine the risk level, which is used to determine the risk management strategy.	4/30/2025	5/30/2025	5/30/2025	https://www.pge.com/assets/ops/dec/outage/dec-safety/feasibility-constraints-and-support/7026-SPD_004.pdf	0	No	5	Risk Methodology & Assessment	5.4
195	SPD	004	SPD_004	31	No	SPD_004_031	On page 124 in the 2026-2028 Base WMP, PG&E states "PG&E's Investment Planning group leverages the CBA and the RCF to prioritize the proposed investments to achieve risk reduction at a reasonable cost as part of the GRC process." a. How does PG&E leverage CBA to prioritize investments in risk reduction? Explain. b. List how non-CBA aspects of the RCF PG&E leverages to prioritize investments in risk reduction. c. Explain how PG&E leverages these non-CBA aspects of the RCF to prioritize investments in risk reduction. d. Define "reasonable cost." Explain how PG&E incorporates "reasonable cost" as a constraint in its risk models.	a. PG&E's Investment Planning group leverages the CBA and the RCF to prioritize the proposed investments to achieve risk reduction at a reasonable cost as part of the GRC process. b. PG&E leverages CBA to prioritize investments in risk reduction. The CBA is used to calculate the risk score for each risk, based on the risk rating function and the risk reduction function. The risk score is then used to determine the risk level, which is used to determine the risk management strategy. c. PG&E leverages non-CBA aspects of the RCF to prioritize investments in risk reduction. The RCF is used to calculate the risk score for each risk, based on the risk rating function and the risk reduction function. The risk score is then used to determine the risk level, which is used to determine the risk management strategy. d. PG&E leverages non-CBA aspects of the RCF to prioritize investments in risk reduction. The RCF is used to calculate the risk score for each risk, based on the risk rating function and the risk reduction function. The risk score is then used to determine the risk level, which is used to determine the risk management strategy.	4/30/2025	5/13/2025	5/13/2025	https://www.pge.com/assets/ops/dec/outage/dec-safety/feasibility-constraints-and-support/7026-SPD_004.pdf	0	No	3	Overview of WMP	3.6
196	SPD	004	SPD_004	32	No	SPD_004_032	On page 125 in the 2026-2028 Base WMP, PG&E explains that SME Judgment is integrated into the process of mitigation selection through "cross-functional working groups." Provide a detailed narrative description of how these cross-functional working groups operate. a. List each type of document or other form of information that is created as these cross-functional working groups operate. b. How are these documents or other forms of information related? c. Provide an example of each type of document or other form of information that is generated by the cross-functional working group when selecting mitigations on critical segment CORNING 11018152. d. The working groups receive every asset within a circuit segment to determine which mitigation should be implemented? e. If not, explain why not. f. List the inputs the SME's receive to support the cross-functional working group's decision about which mitigation should be selected at a given circuit segment. g. Explain how the SME's use each of these inputs to support the cross-functional working group's decision about which mitigation should be selected at a given circuit segment.	a. PG&E's mitigation to consider Safety as the Top Priority WMP Occurrence 2026-2028, CPD, SPD, 004-031 Page 2 The version of PG&E's Present Operator Judgment Modeling Limitations and Uncertainty Compliance Requirements Exhibit (PG&E-2), Chapter 1 of PG&E's 2027 GRC Testimony provides an in-depth discussion on each of these factors. PG&E considers CBA, and the factors mentioned above on a case-by-case basis for each of its mitigations and documents the rationale for selecting them in the GRC Testimony. PG&E does not apply a strict definition of "reasonable cost" but considers the circumstances around each of its mitigation programs in its determination of reasonableness. Some programs have reasonable cost based on the risk reduction benefits they provide, i.e., their CBA. Others are reasonable because they are the most economical way to address known vulnerabilities and threats or meet compliance requirements in an effective manner.	4/30/2025	5/21/2025	5/21/2025	https://www.pge.com/assets/ops/dec/outage/dec-safety/feasibility-constraints-and-support/7026-SPD_004.pdf	0	No	6	Wildfire Mitigation Strategy Development	6.1.3
197	SPD	004	SPD_004	33	No	SPD_004_033	On page 125 in the 2026-2028 Base WMP, PG&E explains that SME Judgment is integrated into the process of mitigation selection through "cross-functional working groups." Provide a detailed narrative description of how these cross-functional working groups operate. a. List each type of document or other form of information that is created as these cross-functional working groups operate. b. How are these documents or other forms of information related? c. Provide an example of each type of document or other form of information that is generated by the cross-functional working group when selecting mitigations on critical segment CORNING 11018152. d. The working groups receive every asset within a circuit segment to determine which mitigation should be implemented? e. If not, explain why not. f. List the inputs the SME's receive to support the cross-functional working group's decision about which mitigation should be selected at a given circuit segment. g. Explain how the SME's use each of these inputs to support the cross-functional working group's decision about which mitigation should be selected at a given circuit segment.	a. PG&E's mitigation to consider Safety as the Top Priority WMP Occurrence 2026-2028, CPD, SPD, 004-031 Page 2 The version of PG&E's Present Operator Judgment Modeling Limitations and Uncertainty Compliance Requirements Exhibit (PG&E-2), Chapter 1 of PG&E's 2027 GRC Testimony provides an in-depth discussion on each of these factors. PG&E considers CBA, and the factors mentioned above on a case-by-case basis for each of its mitigations and documents the rationale for selecting them in the GRC Testimony. PG&E does not apply a strict definition of "reasonable cost" but considers the circumstances around each of its mitigation programs in its determination of reasonableness. Some programs have reasonable cost based on the risk reduction benefits they provide, i.e., their CBA. Others are reasonable because they are the most economical way to address known vulnerabilities and threats or meet compliance requirements in an effective manner.	4/30/2025	5/21/2025	5/21/2025	https://www.pge.com/assets/ops/dec/outage/dec-safety/feasibility-constraints-and-support/7026-SPD_004.pdf	0	No	6	Wildfire Mitigation Strategy Development	6.1.3

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