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Pre-Discovery 33	CaPA	Sat WMP-06	CaPA_Sat WMP-06	8	CaPA_Sat WMP-06_Q8	<p>Provide your description that describes where and when you will perform system hardening on distribution circuits in 2023. For projects that you expect to partially complete in 2023 (i.e., projects that started before 2023 and are expected to continue in 2023, or projects that are expected to be completed after 2023), please include the project and report the work that you forecast will actually be performed in calendar year 2023.</p> <p>For each project, include the following information in separate columns, at a minimum:</p> <ul style="list-style-type: none">a) Other numberb) MAT codec) Programd) Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one)e) Relevant wildfire risk scenario(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2024 planningf) The expected or actual start date of the projectg) The expected completion date of the projecth) Length (in circuit miles) of covered conductor to be installed in 2023i) Length (in circuit miles) of covered conductor to be permanently removed in 2023 and replaced by underground conductorsj) Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and replaced by differing overhead and underground conductorsk) Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and not replaced with covered conductor or undergroundl) Length (in circuit miles) of any other type of system hardening project to be installed in 2023 (if this is greater than zero, please describe the type of system hardening project)	<p>Please see attachment "WMP-Discovery2023_DR_CaPA.xlsx, 006-Q05BAH01CONF.xlsx."</p> <ul style="list-style-type: none">A: See columns A (order number) and B (order description)B: See column CC: See column DD: See column EE: See column FF: See columns G, I, and K <p>Columns G shows the Applicable Risk Model that was used for selecting the project and putting it into scope. Risk Rank scores, shown in Columns I and K, are based on the Wildfire Distribution Risk Model (WDRM) for Version 2 and Version 3, respectively. The Risk ranking outcomes are the results of the relevant risk model (e.g., WDRM 42, WDRM x) where circuit segments are ranked on a 1 to N basis, where 1 is the highest risk circuit segment, and N is the lowest risk.</p> <ul style="list-style-type: none">A: NA - PG&E does not track length (in circuit miles) of overhead conductor to be permanently removed and replaced by undergroundB: See column ABC: NA <p>The data includes project information from prior to 2022 and 2022 where projects overlap with these years. Data is provided in the same file for 2024 that is responsive to Question Q005.</p> <p>Additionally, because this question is associated with the System Hardening workplan only, this data does not include underground mileage associated with the Butte Relabel.</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	1	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 34	CaPA	Sat WMP-06	CaPA_Sat WMP-06	9	CaPA_Sat WMP-06_Q9	<p>Provide your description that describes where and when you will perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e., projects that are expected to start before 2024 and are expected to continue in 2024, or projects that are expected to be completed after 2024), please include the project and report the work that you forecast will actually be performed in calendar year 2024.</p> <p>For each project, include the following information in separate columns, at a minimum:</p> <ul style="list-style-type: none">a) Other numberb) MAT codec) Programd) Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one)e) Relevant wildfire risk scenario(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2024 WMP filingf) The expected or actual start date of the projectg) The expected completion date of the projecth) Length (in circuit miles) of covered conductor to be installed in 2024i) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and replaced by underground conductorj) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and not replaced with differing overhead and underground conductorsk) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and not replaced with covered conductor or undergroundl) Length (in circuit miles) of any other type of system hardening project to be installed in 2024 (if this is greater than zero, please describe the type of system hardening project)	<p>Please see "WMP-Discovery2023_DR_CaPA.xlsx, 006-Q05BAH01CONF.xlsx."</p> <ul style="list-style-type: none">A: See columns A (order number) and B (order description)B: See column CC: See column DD: See column EE: See column FF: See columns G, I, and K <p>Columns G shows the Applicable Risk Model that was used for selecting the project and putting it into scope. Risk Rank scores, shown in Columns I and K, are based on the Wildfire Distribution Risk Model (WDRM) for Version 2 and Version 3, respectively. The Risk ranking outcomes are the results of the relevant risk model (e.g., WDRM 42, WDRM x) where circuit segments are ranked on a 1 to N basis, where 1 is the highest risk circuit segment, and N is the lowest risk.</p> <ul style="list-style-type: none">A: NAB: See column ABC: NA <p>The data includes project information from prior to 2022, 2022, and 2023 where projects overlap with these years. Data is provided in the same file for 2023 that is responsive to Question Q008.</p> <p>Additionally, because this question is associated with the System Hardening workplan only, this data does not include underground mileage associated with the Butte Relabel.</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	0	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 35	CaPA	Sat WMP-06	CaPA_Sat WMP-06	10	CaPA_Sat WMP-06_Q10	<p>For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to expenditures of circuit miles treated in the attached table. CaPA.xlsx, 006-Q05BAH01CONF.xlsx, Attachment 1. Add columns as needed.</p>	<p>Please see details on the cost of wildfire mitigation in attached file "WMP-Discovery2023_DR_CaPA.xlsx, 006-Q05BAH01CONF.xlsx."</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	1	NA	2023 WMP Section 4.3	Proposed Expenditures	System Hardening
Pre-Discovery 36	CaPA	Sat WMP-06	CaPA_Sat WMP-06	11	CaPA_Sat WMP-06_Q11	<p>Please provide a spreadsheet listing (see note) each undergrounding project completed during the period of January 1, 2022 through December 31, 2022. For each project, please provide the following information (see columns):</p> <ul style="list-style-type: none">a) Project ID number or other identifierb) Circuit IDc) ID of each circuit segment that was entirely undergrounded in the projectd) ID of each circuit segment that was partially undergrounded in the projecte) County or counties where undergrounding took placef) Project completion dateg) Total life-cycle electric cost(s) of the project, including costs attributed to non-electric facilities, including costs for planning, design, permitting, and constructionh) Total life-cycle costs of the project, including costs attributed to non-electric facilities, including costs for planning, design, permitting, and constructioni) Whether this was a high-voltage project (yes/no)j) Whether this was a WMP project (yes/no)k) Whether this was a joint-utility project (yes/no)l) Whether you shared trenches for the project with any telecommunications utilities (yes/no)m) Whether you shared trenches for the project with any facilities (yes/no)	<p>See "WMP-Discovery2023_DR_CaPA.xlsx, 006-Q05BAH01CONF.xlsx."</p> <ul style="list-style-type: none">a) Project ID number or other identifier - See column A (order number) and B (order description)b) Circuit ID - See column Cc) ID of each circuit segment that was entirely undergrounded in the project - Our undergrounding projects are split into multiple phases within a given circuit protection zone (CPZ) shown in Column E. The undergrounding of complete CPZs is a multi-year effort that cannot be captured in the data shown for a single year.d) ID of each circuit segment that was partially undergrounded in the project - For response to (c), our undergrounding projects are split into multiple phases within a given circuit protection zone (CPZ). By reviewing data solely from a single year, it is not possible to determine completion of an entire CPZ.e) County or counties where undergrounding took place - See column If) Project start date - See column Jg) Project completion date - See column Kh) Total life-cycle electric cost(s) of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction - See column Li) Total life-cycle costs of the project, including costs attributed to non-electric facilities, including costs for planning, design, permitting, and construction - There is no electric utility work in the scope of system hardening undergrounding (i.e., whether this was a high-voltage project) - See column Mj) Whether this was a WMP project (yes/no) - See column Nk) Whether this was a joint-utility project (yes/no) - See column Ol) Whether you shared trenches for the project with any telecommunications utilities (yes/no) - See column Pm) Whether you shared trenches for the project with any facilities (yes/no) - See column Q <p>The data includes project information from 2021 where projects overlap with 2022.</p> <p>The data includes the question is associated with the System Hardening workplan only, this data does not include undergrounding mileage associated with the Butte Relabel.</p> <p>3 Constructed in accordance with the CPUC's Electric Tariff Rule 20.</p> <p>4 For the purposes of this question and the following question, "life-cycle" refers to the start-to-finish costs to complete the capital project, from planning to the end of construction. This does not include, nor quantify, nor quantify costs after the undergrounding is complete and in-use.</p> <p>5 Constructed in accordance with the CPUC's Electric Tariff Rule 20.</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	1	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 37	CaPA	Sat WMP-06	CaPA_Sat WMP-06	12	CaPA_Sat WMP-06_Q12	<p>Please provide a spreadsheet listing (see note) each undergrounding project completed during the period of January 1, 2022 through December 31, 2022. In addition to the spatial location, please provide the following information (see columns):</p> <ul style="list-style-type: none">a) Project ID number or other identifier, matching part (a) of the previous questionb) Circuit IDc) Project completion date	<p>See attachment "WMP-Discovery2023_DR_CaPA.xlsx, 006-Q05BAH01CONF.xlsx."</p> <p>Please note that the data reflected in the GIS spreadsheet will not match the data sent from Q11 due to the process time lag between construction completion and being fully reported in GIS.</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	1	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 38	CaPA	Sat WMP-06	CaPA_Sat WMP-06	13	CaPA_Sat WMP-06_Q13	<p>Identify any ignitions in 2022 associated with assets where you had an existing corrective notification at the time of the ignition. Please provide a spreadsheet listing each such ignition (see note) with the following information in separate columns:</p> <ul style="list-style-type: none">a) Unique Ignition IDb) Date of ignitionc) Cause of ignitiond) Type of asset associated with the ignitione) Asset locationf) Number of structures burned, if anyg) Number of ignitions associated with ignition, if anyh) Asset ID of asset associated with ignitioni) Circuit ID number of circuit associated with ignitionj) Notification number(s) for the existing maintenance work on the asset in question.	<p>Please see the table below identifying 2022 CPUC-reportable ignitions where the asset involved in the ignition was associated with an existing open corrective maintenance notification at the time of the event.</p> <p>Ignition ID Date of Ignition Suspected Cause Equipment Type Associated WMP Ignition</p> <p>See Asset ID Circuit ID Existing Maintenance Notification</p> <p>20230314 4820022</p> <p>Failure</p> <p>Conductor - Primary</p> <p>5:26</p> <p>9:20</p> <p>Asset</p> <p>0 10104620 MESA 1101 12130175</p> <p>20230613 51172022</p> <p>Failure</p> <p>Splitter</p> <p>Control</p> <p>Connector</p> <p>1 meter</p> <p>-C1</p> <p>meter</p> <p>0 10224348 SAN RAFAEL 1104</p> <p>13032023</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	0	NA	2022 WMP Section 7.3.4	Asset Management and Inspections	NA
Pre-Discovery 39	CaPA	Sat WMP-06	CaPA_Sat WMP-06	14	CaPA_Sat WMP-06_Q14	<p>a) Has PG&E's Asset Failure Analysis Team causally connected any ignitions that occurred in 2022 to assets with existing asset or vegetation corrective notification at the time of ignition?</p> <p>b) If the answer to part (a) is yes, please provide the following information on each such ignition:</p> <ul style="list-style-type: none">1. Unique Ignition ID (matching the previous question)2. Date of ignition3. Cause(s) identified by the Asset Failure Analysis Team4. The type of corrective notification that was issued to the ignition (i.e., the priority level and whether it related to asset management or vegetation management)5. Copies of associated reports or investigations performed by the Asset Failure Analysis Team	<p>a) Yes, please see below.</p> <p>b) Ten ignitions have been identified that meet these criteria:</p> <p>Ignition ID Date of Ignition Cause Type of Corrective Notification Cause of Associated</p> <p>20211218 7282022 The cause of this ignition is still being studied.</p> <p>EC Notification 11840171 - Pole Replacement</p> <p>The report in question is still being studied and can be provided upon completion.</p> <p>202011 11160202</p> <p>EC Notification 12386774 - Crossarm replacement (later updated to pole replacement)</p> <p>The report in question is still being studied and can be provided upon completion.</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	0	NA	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 40	CaPA	Sat WMP-06	CaPA_Sat WMP-06	15	CaPA_Sat WMP-06_Q15	<p>Per PG&E's response to Data Request CaPA.xlsx-PGE-2022WMP-17, Question 13, March 24, 2022, PG&E's inspection strategy in 2022 was to complete detailed inspections on all assets in HFTD Tier 3 and Zone 1, and approximately one-third of assets in HFTD Tier 2.</p> <p>a) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2023.</p> <p>b) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2024.</p> <p>c) Please describe any changes to the above strategy for PG&E's detailed transmission inspections in 2024.</p>	<p>a) Beginning in 2023, PG&E's detailed inspections of distribution structures in high fire areas will be informed by wildfire consequence as provided PG&E's Wildfire Consequence Model v3. PG&E will complete a detailed inspection on each structure every one to three years. For additional details on this strategy please refer to Section 8.1.3.4 of our 2022 WMP. This differs from our 2022 strategy where we inspected all of Tier 3 and one-third of Tier 2.</p> <p>b) There were no major changes to our existing strategy for wildfire consequence inspections in 2022. We continue to prioritize models of asset health and wildfire consequence HFTD (Tier 3, Tier 2, and Zone 1) and HFFA structures have a baseline inspection frequency of once every three years. In addition to this baseline inspection frequency, we will also be conducting inspection reports annually based on the following criteria:</p> <ul style="list-style-type: none">- Wildfire Risk, which is informed by the Asset Health Transmission Composite Model V1 (TCM) evaluated probability of failure and the Wildfire Consequence Model- Other factors including data not currently integrated into the Wildfire Transmission Risk Model V1 (see inspection road heads, historic fire locations, etc.) <p>c) Additional details on this strategy please refer to Section 8.1.3.1 of our 2023 WMP.</p> <p>d) No major changes are anticipated to the detailed distribution ground inspection strategy in 2024. However, as PG&E's risk models and understanding of the distribution system continue to mature, we may adjust the strategy described above or establish additional criteria to define the structures for inspection each year.</p> <p>e) There is no major anticipated change to detailed inspection ground inspection strategy in 2024. However, the considerations or thresholds used to define the additional structures may vary each year as the risk models mature and the overall state of the transmission system evolves.</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	0	NA	2022 WMP 7.3.4 and 7.3.4.14	Asset Management and Inspections	NA
Pre-Discovery 41	CaPA	Sat WMP-06	CaPA_Sat WMP-06	16	CaPA_Sat WMP-06_Q16	<p>Regarding your PSPS circuit modeling capabilities:</p> <p>a) Please describe your PSPS circuit modeling capabilities with regard to PSPS decision-making ("PSPS circuit modeling capabilities"), including what level of granularity they are able to determine how circuit/hardware effects or other changes in the system will affect PSPS modeling.</p> <p>b) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024.</p> <p>c) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024.</p> <p>d) Please describe the expected state of your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.</p>	<p>a) For all questions below, PG&E continuously circuit modeling to meet the level of granularity at which a utility can model the configuration of its electrical assets and design them as such.</p> <p>b) PG&E models and simulates circuit loading at switching devices on the system that do not pose ignition risk. The effects of hardware and other changes to these will be accounted for by our I/PSP model which uses machine learning to identify past outages and ignitions and uses these as a basis for ignition and outage potential (forward model) feeds into our I/PSP modeling. Thus, any improvements to the system or changes will be incorporated as they materialize performance changes.</p> <p>c) As mentioned, PG&E models circuit at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk.</p> <p>d) As mentioned, PG&E models circuit at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk.</p>	Hedy Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/page_global/common/pdfs/006-discovery-project-information.xlsx	0	NA	PSPS	NA	NA

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106	CAIPA	Sat WMPM-12	CAIPA_Sat WMPM-12	SUPP	CAIPA_Sat WMPM-12_CS_SUPP	<p>Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMPM, distribution circuit line numbers 3, 4, 8, 13, 14, 16, 17, 19, 20, 21, 22, 23, 24, 26, 28, 29, 37, 40, 41, 45, 46, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 99, 100, 101, 102, 104, 106, 107, 108, 110, 116, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 164, 166, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 184, 186, 188, 191, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 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631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.</p> <p>1) State whether the customers referenced in part a) will be affected or because they will not be affected or because they have reduced impacts from PPSPs.</p>	<p>the have updated our List of Frequently De-energized Circuits based on the errors found in our review. The entries listed above may not reflect the latest circuits that are impacted by PPSPs protocols. Please see attachment "WMP-Discovery2023_OR_Cabletronics_01-2-2023(Updated).docx" for the updated List of Frequently De-energized Circuits.</p> <p>a) These refer to Section 9.2 Protocols on PPSPs beginning on p. 766 for Distribution.</p> <p>b) PG&E's current PPSPs Protocols were updated compared to PPSPs Protocols from previous years. Based on our current PPSPs Protocols, our scoping improved and some of the circuits would not have been de-energized or would have fewer customers impacted than for earlier past PPSPs events.</p> <p>c) PG&E's Distribution customer records would have been migrated from PPSPs protocols from 2019-2022.</p> <p>The calculation is based on a comparison of historical PPSPs events and the 2022 PPSPs Five Year Lookback Analysis, which applies current PPSPs protocols to the weather conditions present 2019-2022. This comparison excludes 2018 because PG&E's historical PPSPs events were only occurred in the later part of 2018. The total number of impacted customers is calculated as a net value. If some circuits would increase customer impacts due to PPSPs protocols, the impacted customers would have the total impacted customer count reported here.</p> <p>"Customer-events" refers to the count of customer impacts over the Five Year Lookback. If the same customer is impacted from PPSPs for three PPSPs events in the Five Year Lookback, this is reported as "three customer-events impacted" instead of "one unique customer impacted".</p> <p>d) Customer events referenced in part c) identified because they were not from being de-energized for earlier past PPSPs protocols but on the current PPSPs protocols. These customers may be de-energized in other PPSPs events in the years completed for this analysis but have a decrease in the number of PPSPs event impacts.</p> <p>The reference to customer impacts in PPSPs Protocols regarding our look back analysis applied PPSPs Protocols, and the weather conditions seen during that PPSPs event. Until we make enhancements to our protocols, we use and will calculate future customer impacts. See SA-04, SA-05, SA-06, PS-02, and PS-03 for details on our enhancements to PPSPs protocols.</p> <p>1) State whether the customers referenced in part a) will be affected or because they will not be affected or because they have reduced impacts from PPSPs.</p>	Holly Whitman	4/6/2023	4/16/2023	4/16/2023	https://www.pge.com/legal/attestations/2023/04/16/2023-04-16-0001.pdf	0	N/A	9.1.2	Public Safety/Power Shutoff	Identification of Frequently De-Energized Circuits
107	CAIPA	Sat WMPM-12	CAIPA_Sat WMPM-12	SUPP	CAIPA_Sat WMPM-12_CS_SUPP	<p>Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMPM, transmission circuit line numbers 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.</p> <p>1) State whether the customers referenced in part a) will be affected or because they will not be affected or because they have reduced impacts from PPSPs.</p>	<p>the have updated our List of Frequently De-energized Circuits based on the errors found in our review. The entries listed above may not reflect the latest circuits that are impacted by PPSPs protocols. Please see attachment "WMP-Discovery2023_OR_Cabletronics_01-2-2023(Updated).docx" for the updated List of Frequently De-energized Circuits.</p> <p>a) These refer to Section 9.2 Protocols on PPSPs beginning on p. 773 for Transmission.</p> <p>b) PG&E's current PPSPs Protocols were updated compared to PPSPs Protocols from previous years. Based on our current PPSPs Protocols, our scoping improved and some of the circuits would not have been de-energized or would have fewer customers impacted than for earlier past PPSPs events.</p> <p>c) PG&E's Distribution customer records would have been migrated from PPSPs protocols from 2019-2022.</p> <p>The calculation is based on a comparison of historical PPSPs events and the 2022 PPSPs Five Year Lookback Analysis, which applies the current PPSPs protocols to the weather conditions present 2019-2022. This comparison excludes 2018 because PG&E's historical PPSPs events were only occurred in the later part of 2018. The number of impacted customers is calculated as a net value. If some circuits would increase customer impacts due to PPSPs protocols, the increase in impacted customers would have been subtracted from the total impacted customer count reported here.</p> <p>"Customer-events" refers to the count of customer impacts over the Five Year Lookback. If the same customer is impacted from PPSPs for three PPSPs events in the Five Year Lookback, this is reported as "three customer-events impacted" instead of "one unique customer impacted".</p> <p>d) Customer events referenced in part c) identified because they were not from being de-energized for earlier past PPSPs protocols but on the current PPSPs protocols. These customers may be de-energized in other PPSPs events in the years completed for this analysis but have a decrease in the number of PPSPs event impacts.</p> <p>The reference to customer impacts in PPSPs Protocols regarding our look back analysis applied PPSPs Protocols, and the weather conditions seen during that PPSPs event. Until we make enhancements to our protocols, we use and will calculate future customer impacts. See SA-04, SA-05, SA-06, PS-02, and PS-03 for details on our enhancements to PPSPs protocols.</p> <p>1) State whether the customers referenced in part a) will be affected or because they will not be affected or because they have reduced impacts from PPSPs.</p>	Holly Whitman	4/6/2023	4/16/2023	4/16/2023	https://www.pge.com/legal/attestations/2023/04/16/2023-04-16-0001.pdf	0	N/A	9.1.2	Public Safety/Power Shutoff	Identification of Frequently De-Energized Circuits
108	TURN	005	TURN_005	1	TURN_005_01	<p>1. Please provide any decision tree schematic in PG&E's possession that shows, for a given location where PG&E believes that system hardening is necessary, how PG&E decides which mitigation technique to use – i.e., undergrounding, overhead conductor replacement, overhead line replacement, etc. – including what criteria the PG&E uses to select the mitigation technique for that location. Please provide a narrative explanation of what the decision tree schematic shows.</p>	<p>Please see attachment "WMP-Discovery2023_OR_TURN_005-001-A0101.pdf". This decision tree reflects the process we followed to further analyze our highest risk overhead electric distribution lines. The process, as shown on the decision tree attached to this decision, was applied for five years.</p> <p>1. Circuit Segments that require planning: First, provide circuit segments in the locations where wildfire risk is the highest based on the latest wildfire distribution risk analysis, and then, within those segments, identify the circuits that are the most at risk.</p> <p>2. Circuit Segments that require planning: First, provide circuit segments in the locations where wildfire risk is the highest based on the latest wildfire distribution risk analysis, and then, within those segments, identify the circuits that are the most at risk.</p> <p>3. Feasibility Study (green boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>4. Feasibility Study (orange boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>5. Feasibility Study (red boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>6. Feasibility Study (blue boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>7. Feasibility Study (purple boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>8. Feasibility Study (brown boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>9. Feasibility Study (pink boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>10. Feasibility Study (grey boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>11. Feasibility Study (light blue boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>12. Feasibility Study (light orange boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>13. Feasibility Study (light green boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>14. Feasibility Study (light purple boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>15. Feasibility Study (light brown boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPSPs impacts, determining if undergrounding is feasible (if so, identifying alternatives such as overhead, service grid or hybrid), and confirming if there are any recent changes to the electric assets.</p> <p>16. Feasibility Study (light pink boxes): First, provide the segment identified in the previous step that is not already completed or included in existing work. Then, engineering review identified the segment to require further study, including evaluating the project to mitigate PPSPs or PPS</p>										

236	TURN	006	TURN_006_01	1	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
237	TURN	006	TURN_006_02	0	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
238	TURN	006	TURN_006_03	0	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
239	TURN	006	TURN_006_04	4	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
240	TURN	006	TURN_006_05	0	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
241	TURN	006	TURN_006_06	6	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
242	TURN	007	TURN_007_01	1	Yes	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
243	TURN	007	TURN_007_02	2	NA	7.1.3	Watershed Mitigation Strategy Development	Risk-Informed Prioritization
244	TURN	007	TURN_007_04	0	NA	6.4.2	Risk Methodology and Assessment	Top Risk-Contributing Circuits/Targets
245	CaPA	Sat WMP-16	CaPA_Sat WMP-16_01	11	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment
246	CaPA	Sat WMP-18	CaPA_Sat WMP-18_01	1	NA	8.2.2.6	Vegetation Management and Inspections	Discouraged Programs
247	CaPA	Sat WMP-18	CaPA_Sat WMP-18_02	2	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
248	CaPA	Sat WMP-18	CaPA_Sat WMP-18_03	3	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
249	CaPA	Sat WMP-18	CaPA_Sat WMP-18_04	4	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory

224	OEIS	003	OEIS_003	10	OEIS_003_010	Repeating PGE's Asset Inventory a. Provide a list of fields that PGE's asset inventory captures (e.g., equipment, equipment type, age, installation year) b. Provide a list of types of equipment captured within PGE's asset inventory c. Provide a percentage to which PGE is missing data for each asset listed in part (a) within its asset inventory d. Provide an estimated percentage for the amount of assets missing from PGE's asset inventory	Colin Long	4/21/2023	5/10/2023	5/10/2023	2	NA	8.1.5	Asset Management and Inspection Response Summary	NA
344	TURN	012	TURN_012	1	TURN_012_01	1. Please confirm that the Simplified Voltage Drop Efficiency (SVDE) and Voltage Feasibility Expenditure (VFE) measures discussed on page 988 of PGE's WMP. 2. For any differences between SVDE and VFE, please explain why. 3. Cannot be used to compare the cost-effectiveness of underground projects with any other projects. 4. PGE does not use underground grids with "X" and "Y" above, please explain why it does not.	Tom Long	5/6/2023	5/11/2023	5/11/2023	0	NA	Appendix D	Areas for Continued Improvement of Planning/Utility Mitigation	ACIPGE-23-24 - Review Process of Planning/Utility Mitigation
352	CaPA	Sat WMP-24	CaPA_Sat WMP-24	1	CaPA_Sat WMP-24_01	In reference to your response to Question 1 of the CalPaisano PGE-2023WMP-18, on the asset spreadsheet WMP-Discovery_2023_DR_018-2021-04001. a. On table (b) through (h), please identify the circuits with OHN to OHN conversion projects that have no adjacent circuit lists. b. On table (b) and (g), please identify the adjacent circuits that do to circuits with OHN to OHN conversion projects in Table (b) through (h).	Holly Walman	5/6/2023	5/12/2023	5/11/2023	2	NA	8.1.2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment
346	TURN	012	TURN_012	2	TURN_012_02	2. Comparing the wildfire mitigation project proposed in PGE's WMP with the wildfire mitigation project proposed in PGE's last year 2022 GRC (p. 21-04-021). 3. Please describe any differences in wildfire mitigation project proposed or volume of mitigation project proposed between the WMP and GRC for the years 2023-2025 and: a. For any differences (as described in subpart "c"), please provide a table that shows, on a project-by-project basis, the WMP proposal, the GRC proposal, and a description of the difference(s) between the two, including without limitation in volume or rate of work. The table should include any wildfire mitigation projects not proposed in one of the proceedings but in the other.	Tom Long	5/6/2023	5/12/2023	5/12/2023	0	NA	7.2.1	Wildfire Mitigation/ System Development	Overview of Mitigation Initiatives and Activities
322	CaPA	Sat WMP-22	CaPA_Sat WMP-22	10	CaPA_Sat WMP-22_010	In response to the latest comment submission PGE-2023WMP-02, question 1, PGE's provided its 2023 Quality Verification Distribution Audit report (WMP-Discovery2023_DR_CalPaisano_023-02010ANCONF.pdf). a. For each of the 15 items identified as high-risk findings identified on page 4 of the above report, what actions has PGE taken to mitigate these nonconformances in the future? b. For each of the 15 items identified as high-risk findings identified on page 4 of the above report, describe when and how PGE addressed the nonconformances in multiple wildfire risk. c. For each category of the "Top three critical wildfire findings" identified on page 4 of the above report, what actions has PGE taken to mitigate these nonconformances in the future? d. For each category of the "Top three non-critical wildfire findings" identified on page 4 of the above report, what actions has PGE taken to mitigate these nonconformances in the future? e. Please describe all actions PGE has taken to reduce the rate of critical wildfire nonconformances in future distribution system inspections. f. What is PGE's target Quality Pass Rate for 2023? g. Please compare and contrast the 2023 Quality Verification Distribution Audit remedial action and the QA program for system inspection that PGE's plan to implement (section 1.6.1 in PGE's WMP).	Holly Walman	5/20/2023	5/12/2023	5/12/2023	2	NA	8.1.6.1	Grid Design and System Planning	Quality Assurance and Quality Control
353	MGR	Date Request No. 5	MGR_A Date Request No. 5	1	MGR_A Date Request No. 5_Q1	In the source code of this POI about the machine learning algorithm described in WDRM documentation? If not what other steps go into the POI?	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	NA	Appendix C 6.1.1.1, 6.1.2.1	Risk Methodology and Assessment	Conceptual Maps of Top Risk Areas Within the WMP
354	MGR	Date Request No. 5	MGR_A Date Request No. 5	2	MGR_A Date Request No. 5_Q2	In the fire-prone POI distribution a result of the location of specific historical outages, characteristics of assets or environmental conditions?	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	NA	Appendix C 6.1.1.1, 6.1.2.1	Risk Methodology and Assessment	Conceptual Maps of Top Risk Areas Within the WMP
355	MGR	Date Request No. 5	MGR_A Date Request No. 5	3	MGR_A Date Request No. 5_Q3	Which of the following characteristics is known or suspected to contribute to the fire-prone location of POI distribution, and to what degree? a. Tree density and height b. Asset age c. Asset type d. Hydrological/Meteorological history	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	NA	Appendix C 6.1.1.1, 6.1.2.1	Risk Methodology and Assessment	Conceptual Maps of Top Risk Areas Within the WMP
356	MGR	Date Request No. 5	MGR_A Date Request No. 5	4	MGR_A Date Request No. 5_Q4	As an example of "isolated circuit" effects, if a vehicle were to collide with a utility pole and cause an outage in the boundary of the major device, and the POI were to be mobilized, would the area where the vehicle collision occurred be generally identified as the worst outcomes in a segment of the line?	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	NA	Appendix C 6.1.1.1, 6.1.2.1	Risk Methodology and Assessment	Conceptual Maps of Top Risk Areas Within the WMP
357	MGR	Date Request No. 5	MGR_A Date Request No. 5	5	MGR_A Date Request No. 5_Q5	Are fire weather indicators included in the WDRM v3 POI model or any other manner than that described in WDRM v2 documentation? If yes, please explain how they are incorporated in the model or any other manner than that described in WDRM v2.	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	NA	Appendix C 6.1.1.1, 6.1.2.1	Risk Methodology and Assessment	Conceptual Maps of Top Risk Areas Within the WMP

[illegible]

381	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	1	CPUC - SPD (Safety Policy Division)_008_01	<p>1. After three points out by SPD that there appeared to be a discrepancy in the methodology used to calculate the risk mitigation effectiveness of PSPS, Undergrounding and Covered Conductor (CC), PG&E stated that CC is actually the most "effective" mitigation measure based on the data provided. PG&E agreed to provide an additional data collection. EP&S is the second most as it is based on empirical data, and next CC is the least mature mitigation effectiveness. PG&E is based purely on EP&S judgement. PG&E agreed to provide to undergrounding mitigation effectiveness percentage calculation to account for secondary service drops.</p> <p>2. Provide the analysis or provide an update on when the analysis will be finished and submit the analysis when it is finished.</p>	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	https://www.cpuc.ca.gov/_static/global/communications/efile/efile/undergrounding%20SPD%20SPD_008.pdf	0	NA	8.1.1.1	Grid Design, Operations and Maintenance	Protective Equipment and Device Settings
382	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	2	CPUC - SPD (Safety Policy Division)_008_02	<p>3. PG&E asserted that PG&E is addressing the risk from secondary lines and service drops in part by replacing the secondary with covered aerial conductor and breakaway connectors at service drops (see PG&E's response to Question 4 of SPD PG&E_2024_003 for additional discussion). PG&E also stated that there may need to be a messaging update because the 90% mitigation effectiveness is only meant to apply to primary lines but their entire wildfire risk.</p> <p>4. How does PG&E foresee clarifying this information in its message?</p>	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	https://www.cpuc.ca.gov/_static/global/communications/efile/efile/undergrounding%20SPD%20SPD_008.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
384	OEIS	008	OEIS_008	1	OEIS_008_01	<p>Regarding PG&E's response to OEIS DR 2 Question 10, Attachment 1:</p> <p>a. Explain the difference between a Field Safety Reassessment and a Planned Field Safety Reassessment. In what instances would PG&E conduct work due through a Field Safety Reassessment? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making.</p> <p>b. In what instances would a Standstill Change lead to extending a work order due date? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making. Additionally, provide examples in which this has occurred, including any supporting changes.</p> <p>c. Include any criteria that would fall under "Other reassessment," as seen in Column 1 Reason for suspension if applicable?</p> <p>d. PG&E included three Priority A work order within the table labeled "Table 13 - Open".</p> <p>e. Provide the work order documentation associated with each of these (i.e., Electric Corrective notification).</p> <p>f. Are these tags still open? If not, provide the respective completion date for when each tag was closed, as applicable.</p> <p>Within non-HFTD, PG&E included 13 Priority A work order tickets that were closed in 2022 and 52 that will be open.</p> <p>Explain what circumstances would lead to a Priority tag being non-HFTD.</p> <p>1. Provide a list of the projects in which the 13 closed work orders were associated with, including details on the associated mitigation being used.</p> <p>2. Provide a list of the projects in which the 52 work orders were associated with, including details on the associated mitigation being used.</p> <p>3. Regarding PG&E's system not nullified:</p> <p>a. Provide documentation and/or procedures PG&E uses to determine whether or not a work order is nullified. Provide documentation and/or procedures PG&E uses to determine whether or not a work order is nullified. Provide any other information or explanation as to how PG&E processes within the categorization of system tag logs i.e., planning for timing of completion based on the status of the tag.</p> <p>4. Provide PG&E a list of Facility Change-Action (FCA) requests for determining which ones present an ignition risk, as discussed in response to California Data Request 13 Question 8.</p>	Danica Smith	5/18/2023	5/23/2023	5/23/2023	https://www.cpuc.ca.gov/_static/global/communications/efile/efile/undergrounding%20SPD%20SPD_008.pdf	8	NA	8.1.7	Open Work Orders	NA
385	OEIS	008	OEIS_008	2	OEIS_008_02	<p>Regarding PG&E's Other Data Requests</p> <p>1. Provide the following confidential attachments from California Data Requests</p> <p>a. Attachment 1 in response to Data Request 19 Question 10</p> <p>b. Attachment 1 in response to Data Request 21 Question 5</p> <p>c. Attachment 1 in response to Data Request 22 Question 1</p> <p>d. Attachment 1 in response to Data Request 23 Question 1</p> <p>e. Attachment 1 in response to Data Request 7 Question 1</p> <p>f. Attachment 1 in response to Data Request 7 Question 3</p> <p>g. Attachment 1 in response to Data Request 10 Question 2</p> <p>h. Attachment 1 in response to Data Request 10 Question 7</p> <p>i. Attachment 1 in response to Data Request 10 Question 7</p>	Danica Smith	5/18/2023	5/23/2023	5/23/2023	https://www.cpuc.ca.gov/_static/global/communications/efile/efile/undergrounding%20SPD%20SPD_008.pdf	2	NA	NA	NA	NA
386	OEIS	008	OEIS_008	3	OEIS_008_03	<p>Regarding PG&E's response to TURN's Data Request 7, Question 3:</p> <p>1. PG&E provided the circuit segments listed in part (i) provide the following via Excel</p> <p>a. WFE scores</p> <p>b. WFE scores</p> <p>c. Feasibility scores</p> <p>d. V3 risk ranking</p> <p>e. V2 risk ranking</p> <p>f. PG&E's plans to mitigate risk, including mitigation type(s)</p> <p>g. Year(s) of mitigation implementation, as applicable</p>	Danica Smith	5/18/2023	5/23/2023	5/23/2023	https://www.cpuc.ca.gov/_static/global/communications/efile/efile/undergrounding%20SPD%20SPD_008.pdf	1	NA	8.1.2.3	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
339	OEIS	004	OEIS_004	13	OEIS_004_013	<p>Regarding PG&E's Asset Inventory Data Request</p> <p>1. PG&E provided information in the 2023-23 WMP's Appendix F on its overall progress in Asset Inventory Data. Data is to be used to inform the progress in the high-risk electric distribution assets in the WMP's Appendix F, in regard to PG&E's plans and progress on the Asset Inventory Data Quality (AIDQ) project. PG&E provided the following, including via Excel file as applicable:</p> <p>a. Greater detail options for identifying and connecting missing electric distribution asset types in High-Fire Risk Districts (HFRD).</p> <p>b. Greater detail options for identifying and connecting missing electric distribution asset types in High-Fire Risk Districts (HFRD).</p> <p>c. Greater detail options for identifying and connecting missing electric distribution asset types in High-Fire Risk Districts (HFRD).</p> <p>d. Does the Asset Data Quality Remediation Initiative (pg. 96) include a discrete project aimed at addressing specific gaps in the high-risk electric distribution asset types in the HFRD?</p> <p>e. On page 96, it states that in 2022 "...over 575 Critical Data Elements (CDEs) were identified. Did this number include any poles and/or primary conductors in HFRD?"</p> <p>f. Please describe what actions are taken after missing assets are found, i.e., are immediate field inspections performed? Does the AIDQ Program expedite identifying the assets found into the Asset Registry?</p> <p>g. In the data shown in "Appendix A.1 - PG&E 2023 Progress on High-Fire Risk Districts (HFRD) Data Quality Remediation Initiative (pg. 96)", PG&E provided a breakdown of the number of assets in the HFRD by asset type.</p> <p>h. Which of the Data Quality Program (Table 22-35-1) are responsible for finding the missing historical high-risk asset types in the HFRD?</p> <p>i. What is PG&E's estimated number of assets and primary conductors that are missing from the "Asset Count and Table 22-35-1 "Current Fill Rates" of the poles and primary conductors that are missing, how many are in the TABLE PG&E-22-35-1 CURRENT FILL RATES 168</p> <p>Asset Type</p> <p>Asset Component</p> <p>Asset Count</p> <p>Asset Count</p>	Colin Lang	5/4/2023	5/23/2023	5/23/2023	https://www.cpuc.ca.gov/_static/global/communications/efile/efile/undergrounding%20SPD%20SPD_008.pdf	1	NA	Appendix D	Asset for Confirmed Improvement	ACI PG&E-22-33 - Progress on Filing Asset Inventory Data Gaps
387	OEIS	007	OEIS_007	1	OEIS_007_01	<p>Regarding PG&E's response to customers due to PSPS and wildfire emergencies</p> <p>In Section 8.4.6, a. the failure of service of PG&E provides to customers due to PSPS and wildfire emergencies is unclear. Describe PG&E's full scope of services for each service listed in 8.4.6, b. as follows as follows in PSPS and wildfire emergencies and the segment of customers served for that service. In the discussion of each service, address the questions under each listed service. If a service is provided due to a regulation, reference the governing law. Where applicable, reference the customer class (residential, business, etc.) to which the service is offered.</p> <p>a. Support for Low Income Customers</p> <p>PG&E discusses its services for not-tapped customers if their service has been disrupted or interrupted?</p> <p>b. What services does PG&E provide to not-tapped customers if their service has been disrupted or interrupted?</p> <p>c. What services does PG&E provide to not-tapped customers if an emergency proclamation is made?</p> <p>d. What services does PG&E provide to not-tapped customers if their service has been disrupted or interrupted?</p> <p>e. What services does PG&E provide to not-tapped customers if an emergency proclamation is not made?</p> <p>f. Repeat Powering and Timing</p> <p>Does PG&E provide a "repeat" power processing and timely restoration for each wildfire from 2020-2022? If discussion should include a variation of the overall duration to the community including the number of customers impacted.</p> <p>g. Of those impacted how many of those were not-tapped?</p> <p>h. What support does PG&E provide to those customers that are not not-tapped customers? Does PG&E have been disrupted or degraded?</p> <p>i. Medical Respite Support Services</p> <p>How does PG&E communicate with Medical Respite (MR) customers before and during Wildfire and PSPS events?</p> <p>j. How does PG&E communicate with MR customers outside of Wildfire and PSPS events?</p> <p>k. What PG&E emergency-related programs are MR customers eligible for? Describe the programs.</p> <p>l. What agencies or partners does PG&E work with to support the needs of MR customers?</p> <p>m. List what follow-up services PG&E provides to MR customers that are not not-tapped customers or partner during a Wildfire or PSPS emergency event.</p> <p>n. Access to PG&E Representatives</p> <p>During Wildfire and PSPS events, how many customers communicate with PG&E representatives? In response,</p>	Alex Solomon	5/24/2023	5/30/2023	5/30/2023	https://www.cpuc.ca.gov/_static/global/communications/efile/efile/undergrounding%20SPD%20SPD_008.pdf	0	NA	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies

433	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	12	CaIPA_Sat WMP-28_O12	<p>RP-PG&E-23-04</p> <p>PG&E states that isolation zones "similar to a circuit protection zone" (footnote 16 on page 32).</p> <p>a) Define "isolation zone."</p> <p>b) As described above, an isolation zone is an area between isolation devices that can be de-energized in support of maintenance purposes. To provide further information, an Isolation Zone response, independent of Isolation devices, where an isolation device is a member of the set of Circuit Breaker, Dynamic Protective Device, Fuse, or Solid-state device.</p> <p>c) If the answer to part (b) is no, please describe the difference.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
438	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	14	CaIPA_Sat WMP-28_O14	<p>RP-PG&E-23-04</p> <p>Table RP-PG&E-23-04-f (page 61 of PG&E's response) PG&E will create 79,200 new test tags in 2023, 14,400 new test tags in 2024, and 10,700 new test tags in 2025.</p> <p>a) State the basis for the reduced number of new 79,200 PG&E test tags being created in 2024 and 2025 compared to 2023.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	15	CaIPA_Sat WMP-28_O15	<p>RP-PG&E-23-04</p> <p>Page 33 of PG&E's response states, "For example, we have found certain splices (e.g., splices within two feet of an insulator, and number of splices per span) do not pose an increased risk of ignition. Instead of issuing a non-prioritized risk maintenance tag, the splices are briefly addressed by the asset management team by issuing a maintenance tag." (b) Describe the circumstances under which PG&E would repair splices that do not pose an ignition risk, and therefore do not have a maintenance tag.</p> <p>c) How does PG&E's asset management team use splices as an indicator of "holistic asset health" and under what circumstances does the asset management team take action based on the indicator?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
437	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	16	CaIPA_Sat WMP-28_O16	<p>RP-PG&E-23-05</p> <p>Page 35 of PG&E's response states, "There are 79 circuit segments that are not included in an underground plan and have not been hardened. In light of these circuit segments, PG&E should take additional action to ensure the portfolio that could be undergrounded more efficiently. PG&E manages wildfire risk on these 79 circuit segments. PG&E has not performed overhead hardening on the 79 circuit segments described in this section?"</p> <p>b) If the answer to part (a) is yes, why did PG&E not do overhead hardening as a mitigation for these 79 circuit segments?</p> <p>c) If the answer to part (a) is no, explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	17	CaIPA_Sat WMP-28_O17	<p>RP-PG&E-23-05</p> <p>Table RP-PG&E-23-05-2 (page 17 of PG&E's response) compares the mileage in the top 25% of WFE, the top 25% of WORM, and the top 25% of WORM-2.</p> <p>a) Is it understanding that PG&E's response to ACI PG&E-22-01 is in the 2023-2025 WMP that the top 25% of WORM-2 is based on the risk score from WORM-2 and the hazardity score of undergrounding in other words, in the formula below, the WORM-2 risk score appears in the numerator and the hazardity score appears in the denominator.</p> <p>b) Describe how PG&E calculated the effectiveness of its WFE 77 percent.</p> <p>c) Provide supporting data and worksheets for your response to part (a).</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	18	CaIPA_Sat WMP-28_O18	<p>RP-PG&E-23-05</p> <p>Page 15 of PG&E's response states, "Based on our further evaluation, the preliminary updated mitigation effectiveness for undergrounding, considering the residual risk from secondary and service lines, is approximately 87.7 percent compared to the 80 percent."</p> <p>a) Describe how PG&E calculated the effectiveness of its WFE 77 percent.</p> <p>b) Provide supporting data and worksheets for your response to part (a).</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
440	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	19	CaIPA_Sat WMP-28_O19	<p>RP-PG&E-23-07</p> <p>Page 103 of PG&E's response states, "The TAT was developed to fit the scope of the EVM program. With the revision of EVM, PG&E has decided to discontinue the use of the TAT and will be moving forward with industry accepted assessments using the TRAC form."</p> <p>a) Given that, beginning in 2024, the scope of FTI will still be in the scope of EVM (approximately 1,800 miles), please explain why the TAT is not appropriate for the scope of FTI.</p> <p>b) Describe the ways in which the TAT and TRAC form are similar.</p> <p>c) Describe the ways in which the TAT and TRAC form are different.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
441	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	20	CaIPA_Sat WMP-28_O20	<p>RP-PG&E-23-07</p> <p>Page 104 of PG&E's response states, "Given that we began working with the ISA TRAC in 2023, data does not exist for the comparison of effectiveness differences between TRAC and the TAT."</p> <p>a) Does PG&E plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAC?</p> <p>b) If the answer to part (a) is yes, please describe the study PG&E plans to perform, and the data PG&E plans to compare the study.</p> <p>c) If the answer to part (a) is no, please explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
434	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	13	CaIPA_Sat WMP-28_O13	<p>RP-PG&E-23-04</p> <p>Page 33 of PG&E's response states, "Inspection can also recommend that a notification be cancelled if they believe a new created or revised or if a new already completed additional assessments using the TRAC form."</p> <p>a) Describe the process by which an inspector performing a field safety assessment can recommend a notification be cancelled.</p> <p>b) If an inspector performing a field safety assessment recommends that a notification be cancelled, do any additional checks or verifications take place prior to cancelling the notification?</p> <p>c) If the answer to part (b) is yes, explain what the verifications.</p> <p>d) If the answer to part (c) is no, explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
413	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	9	CaIPA_Sat WMP-28_O9	<p>Provide a list of all circuits in your system. For each circuit, provide:</p> <p>a) Peak load in Amps observed since January 1, 2014.</p> <p>b) Peak load in Amps observed since January 1, 2014.</p> <p>c) Circuit Capacity in Amps</p>	Holly Whitman	7/27/2023	8/17/2023	8/17/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
414	CAIPA	Sat WMP-28	CaIPA_Sat WMP-28	10	CaIPA_Sat WMP-28_O10	<p>Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes:</p> <p>a) Circuit ID Number</p> <p>b) Peak load in Amps observed since January 1, 2014.</p> <p>c) Circuit Capacity in Amps</p>	Holly Whitman	7/27/2023	8/17/2023	8/17/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

439	TURN	014	TURN_014	1	TURN_014_01	<p>On September 11, 2023, PG&E submitted a request to supplement its 2023-2025 WMP submissions, to which CEES responded on September 13, 2023. PG&E's request indicated that PG&E wishes to include additional information responsive to items raised in the 2023-2025 Revision Notice.</p> <p>Please provide all documents from the instructions above regarding interpreting documents. Specifically, if PG&E's assessment that was created on or after August 7, 2023 (the date of PG&E's response to the Revision Notice) that reflect communication between an employee or other representative of PG&E and an employee or other representative of CEES related to PG&E's 2023-2025 WMP. Please exclude from the response documents that are publicly available through the CEES website, such as data requests from CEES and PG&E's responses to such data requests.</p>	Tom Long	9/16/2023	9/20/2023	9/20/2023	https://www.pge.com/legal_global/commen/pge/va/.../turn_014-001140110101WMP.docx https://www.pge.com/legal_global/commen/pge/va/.../turn_014-001140110101WMP.docx https://www.pge.com/legal_global/commen/pge/va/.../turn_014-001140110101WMP.docx	1	N/A	N/A	N/A	N/A
440	OEB	014	OEB_014	1	OEB_014_01	<p>Q01. Regarding Wildfire Benefit Cost Analysis</p> <p>a. In PG&E's Supplemental Revision Notice Response, PG&E states that it's not being moving away from the WFE to a Wildfire Benefit Cost Analysis (WBCA) at the circuit segment level. (p. 78)</p> <p>b. How does PG&E WBCA factor in feasibility?</p> <p>c. How does PG&E determine which mitigations are used in combination when evaluating across effectiveness (i.e. the example in Table RW-PCGE-23-02-5 shows covered conductors with EPSS and DCC)? Please provide the calculations used for the monetized risk values shown in Table RW-PCGE-23-02-5 (p. 84)</p> <p>d. Is there a PG&E calculating the monetized risk avoidance (as described on p. 82)?</p> <p>e. PG&E also states that it plans to present the benefit-cost model and mitigation selection results using this model in our Statewide (SBS) bid plan that was shared in the with Energy Safety (p. 82)</p> <p>f. What PG&E's timeline for the development and implementation of WBCA? This should include (but not be limited to) when PG&E is planning on sharing from WFE to WBCA, as well as when PG&E's understanding and bidding plans will begin to be informed by WBCA approach to WFE.</p> <p>g. Has PG&E analyzed the prohibition or mitigation selection difference between implementing WFE vs. WBCA? If so, provide all such supporting analysis.</p>	Delecia Smith	10/6/2023	10/11/2023	10/11/2023	https://www.pge.com/legal_global/commen/pge/va/.../oeb_014-001140110101WBCA.docx https://www.pge.com/legal_global/commen/pge/va/.../oeb_014-001140110101WBCA.docx https://www.pge.com/legal_global/commen/pge/va/.../oeb_014-001140110101WBCA.docx	0	N/A	8.1.2.2	Grid Design and System	Undergoing of electric lines and/or equipment
441	OEB	014	OEB_014	2	OEB_014_02	<p>Q02. Regarding backlog risk reduction</p> <p>1. Provide PG&E's calculations for transition percentages broken down annually for both the initial open order reduction targets in PG&E's Table PG&E-1.7.2 (PG&E's original 2023-2025 WMP plan, p. 435) compared to the current Table PG&E-1.7.2 (PG&E's latest 2023-2025 WMP as filed with the Supplemental Revision Notice Response, p. 555). This should include a discussion of how PG&E's calculations for risk reduction, as well as both on-site and off-site.</p> <p>2. Provide PG&E's overall calculations for risk reduction percentages for its original 2023-2025 WMP plan for addressing backlog compared to PG&E's new plan for addressing backlog as reflected in the Supplemental Revision Notice Response. This should also account for any new risk introduced from delays in responding to Priority 6 and 7 tags that may not take O2/D3 requirements due to backlog. This should include a discussion of how PG&E's calculations for risk reduction, as well as both a reduction in risk units and overall risk impact.</p> <p>3. Explain the difference between the percent risk units and the % risk impact as shown in Table RW-PCGE-23-04-1 (p. 55) (for reference, 2023 has a 4.8 percent risk unit reduction, but only a 2.4 percent risk impact reduction).</p>	Delecia Smith	10/6/2023	10/11/2023	10/11/2023	https://www.pge.com/legal_global/commen/pge/va/.../oeb_014-001140110101WBCA.docx https://www.pge.com/legal_global/commen/pge/va/.../oeb_014-001140110101WBCA.docx https://www.pge.com/legal_global/commen/pge/va/.../oeb_014-001140110101WBCA.docx	0	N/A	8.1.7	Open Work Orders	N/A
442	MGRA	Data Request No. 7	MGRA_Data Request No. 7	1	MGRA_Data Request No. 7_01	<p>Please list the titles and qualifications of the team members on the Public Safety Specialist Team. Specifically please note the level of experience team members have in:</p> <p>a. Fire spread modeling using Technosys or other simulation tools</p> <p>b. Traffic control and evacuation modeling</p> <p>c. Wildland firefighting and suppression</p> <p>Please include any specific work experience or accomplishments.</p>	Joseph Mitchell	10/9/2023	10/12/2023	10/12/2023	https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_01.docx https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_01.docx https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_01.docx	0	N/A	8.4.1.1	Emergency Preparedness	Protocols for Emergency Communications
443	MGRA	Data Request No. 7	MGRA_Data Request No. 7	2	MGRA_Data Request No. 7_02	<p>How ingress and egress concerns determined solely by the potential for falling poles or does the PSS team also analyze the potential for equipment by fast moving wildfires and/or significant winds?</p> <p>PMO: When PG&E conducted the EASOP analysis, our PSS team members reviewed each system's handling potential during the scoring process to determine if ingress/egress issues existed at the site. Given the time and effort required to repeat the type of analysis, PG&E is instead using a PSS score in the alternatives analysis. In place of a PSS team member reviewing each of the 2023-2025 project sites submitted by MGRA's, PG&E is using the PSS score for each circuit and applying it to each segment on that circuit. If the PSS score for a circuit is high (score = 100), then the model considers there to be an ingress/egress risk on each of the segments that make up that circuit.</p>	Joseph Mitchell	10/9/2023	10/12/2023	10/12/2023	https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_02.docx https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_02.docx https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_02.docx	0	N/A	8.1.3	Asset Inspections	N/A
444	MGRA	Data Request No. 7	MGRA_Data Request No. 7	3	MGRA_Data Request No. 7_03	<p>How representation is the gross PSS score of the entire circuit? Specifically, how many hardening projects are there per circuit? Provide a distribution if possible.</p> <p>2. What fraction does the hardening project typically take up of the circuit? Provide a distribution if possible.</p> <p>3. Show how EPS scores are determined and how these compare against WDRM (i.e. is PSS ingress/egress scoring used as an element incorporated into the risk model or is it used as an independent decision tree branch point)?</p> <p>4. What fraction of underground projects only use PSS ingress/egress scores to make the determination to underground?</p> <p>5. Provide the fraction for cases where it was the uniformity determinant only.</p> <p>6. Provide the fraction for cases where PSS ingress/egress was only one of many factors used in the determination to underground.</p>	Joseph Mitchell	10/9/2023	10/12/2023	10/12/2023	https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_03.docx https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_03.docx https://www.pge.com/legal_global/commen/pge/va/.../mgra_data_request_no_7_03.docx	1	N/A	8.1.3	Asset Inspections	N/A

474	CaPA	Sat WMP-31	CaPA_Sat WMP-31	2	CaPA_Sat WMP-31_02	<p>The following questions pertain to PG&E's 2023-2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 – Open Work Orders.</p> <p>On page 530 of your 2023-2025 WMP R3, PG&E provided a table (Table 8-6-1) showing the total number of past due transmission asset work orders by age and HFTD tier. Please provide a similar table for past due distribution asset work orders by age and HFTD tier, as of September 30, 2023.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 – 30 Days</p> <p>31 – 90 Days</p> <p>91 – 180 Days</p> <p>181+ Days</p> <p>Non-HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 – 30 Days</p> <p>31 – 90 Days</p> <p>91 – 180 Days</p> <p>181+ Days</p> <p>Non-HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
475	CaPA	Sat WMP-31	CaPA_Sat WMP-31	3	CaPA_Sat WMP-31_03	<p>The following questions pertain to PG&E's 2023-2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 – Open Work Orders.</p> <p>On page 557 of your 2023-2025 WMP R3, PG&E stated with regard to distribution asset work orders, "PG&E is unable to provide the number of past due asset work orders, categorized by age, in the HFTD from Q1 2023 through Q3 2022."</p> <p>Please list the reasons why PG&E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD, as stated above.</p> <p>Please list any steps PG&E has taken to improve its ability to provide the number of past due asset work orders, categorized by age, in the HFTD.</p>	<p>At the time of filing the 2023-2025 WMP, PG&E did not have the capability to collect the data at the granularity requested. Therefore, PG&E was unable to provide the number of past due asset work orders and, therefore, utilized the Quarterly Data Report, Table 2, metric 1 as a proxy to generate the number of past due asset work orders.</p> <p>Through September 2023, PG&E has improved its "data" extraction capabilities and is now able to provide this data at the requested granularity. This capability has improved by employing additional data specialists and creating automated scripting of possibilities. This semi-automated process will now allow us to pull data more readily, and at the granularity desired.</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
476	CaPA	Sat WMP-31	CaPA_Sat WMP-31	4	CaPA_Sat WMP-31_04	<p>The following questions pertain to PG&E's 2023-2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 – Open Work Orders.</p> <p>Section 8.1.7.2 – Open Work Orders – Distribution Taps in PG&E's 2023-2025 WMP R3 discusses a subset of open work orders referred to as "splitstream" taps. Please provide a table similar to Table 8-6-1 for all past due, splitstream-risk, distribution asset work orders by age and HFTD tier, as of September 30, 2023.</p> <p>Number of "Splitstream Risk" Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 – 30 Days</p> <p>31 – 90 Days</p> <p>91 – 180 Days</p> <p>>181 Days</p> <p>Non-HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of "Splitstream Risk" Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 – 30 Days</p> <p>31 – 90 Days</p> <p>91 – 180 Days</p> <p>>181 Days</p> <p>Non-HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
477	CPUC – SPD (Safety Policy Division)	011	CPUC – SPD (Safety Policy Division)_011_01	1	CPUC – SPD (Safety Policy Division)_011_01	<p>Provide calculations that justify Table RN-PG&E-23-05-3. Explain specifically how Risk Assistance over Lifetime Benefit is calculated from Total Risk, page 85 of PG&E's 2023-2025 Wildlife Mitigation Plan (WMP) (Supplemental Revision Notice Responses).</p>	<p>In Critical Issue RN-PG&E-23-05, PG&E explained that in response to the Commission's decision in the Risk-Based Decision-Making Framework (RBDMP), we are in the process of constructing a benefit-cost model. The model will incorporate several elements of the mitigation selection decision-making process, including the annualized cost of the mitigation, the value of the avoided risk, and the value of the avoided risk. PG&E also explained that the Wildlife Benefit Cost Analysis (WBCCA) tool, which is used to calculate the value of the avoided risk, is based on the WBCCA model for two mitigation alternatives at two cost segments (Table RN-PG&E-23-05-3). PG&E responded to an Energy Safety Data Request asking for more information about the WBCCA. In that response, PG&E explained that the WBCCA was not yet fully developed, as requested within PG&E.</p> <p>We also explained that the worksheet submitted in the 2023-2025 WMP is based on PG&E's Wildlife Distribution Risk Model (WDRM) and not one of the 2023-2025 projects included in the WMP worksheet were selected using the WBCCA. The WBCCA is being developed to support PG&E's 10-year (2034) underpinning plan and will be developed by the end of 2024. We anticipate eventually using the WBCCA to inform project selection for PG&E's long-term underpinning plan and future WMPs.</p> <p>Because the WBCCA is still in development, PG&E is not in a position to respond to either the request for the WBCCA or the request for the WBCCA.</p>	Henry Beaul	10/1/2023	10/17/2023	10/17/2023	0	N/A	8.1.2.2	Grid Design and System Planning	Underpinning of electric lines and/or equipment
477	CPUC – SPD (Safety Policy Division)	012	CPUC – SPD (Safety Policy Division)_012_01	1	CPUC – SPD (Safety Policy Division)_012_01	<p>Provide calculations that justify Table RN-PG&E-23-05-3. Explain specifically how Risk Assistance over Lifetime Benefit is calculated from Total Risk, page 85 of PG&E's 2023-2025 Wildlife Mitigation Plan (WMP) (Supplemental Revision Notice Responses).</p>	<p>Please see WMP-Discovery0223_DR_SPD_012-0001 attached above for the visual and supporting data. This table has not been updated. PG&E expects to update this table in Q2 of 2024 as part of the Risk Assessment and Mitigation Phase (RAMP) filing. Please note, there was a normal consideration of the animal and wildlife, both the original and corrected values are provided in the attachment.</p>	Henry Beaul	11/1/2023	11/15/2023	11/15/2023	1	N/A	8.1.2.2	Grid Design and System Planning	Underpinning of electric lines and/or equipment
478	CPUC – SPD (Safety Policy Division)	011	CPUC – SPD (Safety Policy Division)_011_02	2	CPUC – SPD (Safety Policy Division)_011_02	<p>Provide a numerical justification that shows the risk from (judges or other sources) for EPSC compares to benefits of EPSC (see wildlife, other(s)). SPD would prefer the analysis performed using benefit values similar to the shown in Table RN-PG&E-23-05-3.</p>	<p>Please see PG&E's response to Question 1 of this data request.</p>	Henry Beaul	10/1/2023	10/17/2023	10/17/2023	0	N/A	8.1.2.2	Grid Design and System Planning	Underpinning of electric lines and/or equipment
479	CaPA	Sat WMP-32	CaPA_Sat WMP-32_01	1	CaPA_Sat WMP-32_01	<p>Please provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>a) Please see row (a) US Miles Completed. Included are the miles of underground primary distribution lines installed each year 2020-2022 for the purpose of wildfire risk reduction. The data provided in 2023 is year to date through November 1, 2023. In addition to the miles completed, PG&E also has approximately 200 miles currently in progress (e.g., current complete, in construction, trench complete, trench installed, ready for cable pulling).</p> <p>b) Please see row (b) OH Miles Replaced (estimated). Included are the estimated miles of overhead primary distribution lines PG&E has replaced as part of undergrounding projects for the purpose of wildfire risk reduction. PG&E historically did not track exactly the overhead miles replaced by each project. Therefore, the overhead miles replaced is calculated based on US Miles Completed using a standard conversion factor for rebuild projects or all other undergrounding projects. For Community rebuild projects (Bulls and Greenwells) for every 1.57 miles of US installed, one mile of existing OH lines has been removed. For all other projects, 1.25 miles of US installed equates to one mile of existing OH removed. 2020-2021-2022-2023 Total</p> <p>a) US Miles Completed 42.4 79.2 179.8 268.6 503.9</p> <p>b) OH Miles Replaced 27.8 53.2 134.1 58.6 379.5</p>	<p>Please see the table below with the data requested for subparts a and b.</p> <p>a) Please see row (a) US Miles Completed. Included are the miles of underground primary distribution lines installed each year 2020-2022 for the purpose of wildfire risk reduction. The data provided in 2023 is year to date through November 1, 2023. In addition to the miles completed, PG&E also has approximately 200 miles currently in progress (e.g., current complete, in construction, trench complete, trench installed, ready for cable pulling).</p> <p>b) Please see row (b) OH Miles Replaced (estimated). Included are the estimated miles of overhead primary distribution lines PG&E has replaced as part of undergrounding projects for the purpose of wildfire risk reduction. PG&E historically did not track exactly the overhead miles replaced by each project. Therefore, the overhead miles replaced is calculated based on US Miles Completed using a standard conversion factor for rebuild projects or all other undergrounding projects. For Community rebuild projects (Bulls and Greenwells) for every 1.57 miles of US installed, one mile of existing OH lines has been removed. For all other projects, 1.25 miles of US installed equates to one mile of existing OH removed. 2020-2021-2022-2023 Total</p> <p>a) US Miles Completed 42.4 79.2 179.8 268.6 503.9</p> <p>b) OH Miles Replaced 27.8 53.2 134.1 58.6 379.5</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	0	N/A	7.2.2.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
480	CaPA	Sat WMP-32	CaPA_Sat WMP-32_02	2	CaPA_Sat WMP-32_02	<p>Please provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories:</p> <p>Rule 20 undergrounding</p> <p>Wildfire rebuild undergrounding</p> <p>Any other undergrounding not included in Question 1 or parts a and b of this question.</p>	<p>Please see the table provided below with the data requested for subparts a – c.</p> <p>a) Please see row (a) Rule 20. Included are the undergrounding miles of primary distribution lines in High Fire Threat Districts (HFTD) and/or High Fire Risk Areas (HFRA) as part of the following programs:</p> <ul style="list-style-type: none"> Rule 20A – 100% utility funding Rule 20B – partial utility funding Rule 20C – minimal utility funding <p>Note: Rule data does not include all Rule 20 projects. It includes only those Rule 20 projects that have been placed in the HFTD/HFRA given the impact of these projects on reducing wildfire risk.</p> <p>b) Please see row (b) Wildlife Rebuild. Included are the undergrounding miles of primary distribution lines completed as part of wildfire rebuild. This includes work in our Fire Resilient Program that is located in HFTD/HFRA, as well as the Community Rebuild program (i.e., Bulls and Greenwells).</p> <p>c) Please see row (c) Other. Included are the undergrounding miles of primary distribution lines through PG&E's targeted undergrounding programs, as well as legacy projects and work requested by others located in an HFTD/HFRA.</p> <p>Please note, PG&E previously did not track overhead miles replaced; therefore, the overhead miles replaced is calculated based on US Miles Completed using a standard conversion factor for rebuild projects or all other undergrounding projects. For WMP-Discovery0223_DR_CaPA/Operations_020-0002 Page 2</p> <p>Community rebuild projects (Bulls and Greenwells) for every 1.57 miles of US installed, one mile of existing OH lines has been removed. For all other projects, 1.25 miles of US installed equates to one mile of existing OH removed.</p>	Holly Whitman	10/31/2023	11/14/2023	11/14/2023	0	N/A	8.1.2.2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment – Distribution
481	CaPA	Sat WMP-32	CaPA_Sat WMP-32_03	3	CaPA_Sat WMP-32_03	<p>Please provide copies of all current, site-source contracts PG&E has executed with other entities with regard to any of the following:</p> <p>a) Suppliers of materials related to distribution undergrounding projects.</p> <p>b) Entities who perform labor related to distribution undergrounding projects.</p> <p>c) Entities who assist PG&E with planning, permitting, environmental review, and other similar non-construction tasks related to distribution undergrounding projects.</p> <p>d) Any other entities who provide goods or services to PG&E in relation to distribution undergrounding projects.</p>	<p>The attachments to the response contain CONFIDENTIAL information and are being provided pursuant to the accompanying confidentiality declaration "WMP-Discovery0223_DR_CaPA/Operations_020-0003_Confidentiality Declaration."</p> <p>a) PG&E does not have a site-source contract process that enters into and fulfills site-source contracts for labor. Instead, PG&E has a direct award process that documents contracts that are awarded under certain site-source thresholds to suppliers that are not preferred suppliers (generally, master services agreement or utility agreement suppliers). PG&E currently uses a Direct Award Documentation (DAD) form to document our direct awards.</p> <p>PG&E identified five direct award contracts that we have executed with entities providing goods and/or services related to system planning, distribution undergrounding projects, and the procurement of materials. PG&E reviewed individual contracts that were completed between 2020 and 2022 and found that the total contract spend during that period was greater than \$100,000.</p> <p>The direct award contracts and associated documents that PG&E is providing are:</p> <ul style="list-style-type: none"> WMP-Discovery0223_DR_CaPA/Operations_020-0003a0101CONFP.pdf WMP-Discovery0223_DR_CaPA/Operations_020-0003a0102CONFP.pdf WMP-Discovery0223_DR_CaPA/Operations_020-0003a0103CONFP.pdf WMP-Discovery0223_DR_CaPA/Operations_020-0003a0104CONFP.pdf WMP-Discovery0223_DR_CaPA/Operations_020-0003a0105CONFP.pdf <p>Attachments (a)-(c) are the Direct Award Documentation and Contract, including Contract Change Order for the first vendor who received a direct award contract. Attachments (a)-(d) are the Direct Award Documentation and Contract for the second vendor who received a direct award contract.</p> <p>b) See response to part a.</p> <p>c) See response to part a.</p> <p>d) See response to part a.</p>	Holly Whitman	10/31/2023	12/1/2023	12/1/2023	5	N/A	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Planning

482	CaPA	Sat WMP-32	CaPA_Sat WMP-32	4	CaPA_Sat WMP-32_Q4	<p>Describe all vegetation management activities that PG&E typically performs around the following line types. In your responses to parts (a) through (e), please describe (a) and (b) what PG&E's vegetation management activities for that category meaningful differ compared to your response to part (a).</p> <p>Absecon distribution mains located in HFTD/HFRA.</p> <p>Absecon distribution accessories located in HFTD/HFRA.</p> <p>Absecon distribution services located in HFTD/HFRA.</p> <p>Right-of-way for underground distribution located in HFTD/HFRA.</p>	<p>a) We interpret the question to address Primary Distribution voltages 40V, 120V, 240V, and 276V. The following program legend was on 01/01/2023:</p> <p>Annual Routine Tree Inspection (system-wide all line miles), resulting pruning and tree removals.</p> <p>Pruning to maintain 18 inches of year-round clearance outside HFTD and HFRA.</p> <p>Pruning to maintain 18 inches of year-round clearance inside HFTD and HFRA and pruning to maintain 4 feet of clearance inside SRSA during cleared the season.</p> <p>Removal of Overhanging removal in EVM circuit segments completed 01/15/2022.</p> <p>Mitigation up to complete tree removal for hazardous tree conditions identified during these inspections or brought to PG&E's attention by other inspection programs, customer, or agency notifications.</p> <p>Second Plant Team Inspection in HFTD and HFRA, including pruning and tree removals.</p> <p>Inspection to identify emerging hazardous tree conditions.</p> <p>WMP-Chowcherry(2023)_DR_CalAdvoCates_032-Q004 Page 2.</p> <p>Tree Monthly.</p> <p>Priority Tree work based on local or tree specific conditions.</p> <p>Address tree response (growth) that annual pruning cannot fully mitigate to maintain compliance with Minimum Clearance Requirements.</p> <p>Vegetation Control (Fuelwood maintenance) in SRAP/HFTD and HFRA.</p> <p>All poles supporting equipment not specifically exempted by 14 CCR 1205.</p> <p>Additional inventory in HFTD and HFRA supporting the same equipment requiring fuelwood in SRSA and FRA.</p> <p>These poles are all inventoried and evaluated for risk.</p> <p>Low risk poles are not maintained unless conditions change to elevated risk.</p> <p>Additional inventory and evaluation only when needed.</p> <p>All trees are evaluated for fuelwood risk. Second Plant annual average cost per mile of VM distribution programs based on 2022 annual spent and 2022 actual miles.</p> <p>PG&E tracks costs for the entire VM program and does not include tree removal cost by Non-HFTD versus HFTD/HFRA, etc.</p> <p>Please note that annual costs per mile are currently unavailable for TRV, FTL, and VMDM as these programs were introduced in 2023.</p> <p>Program Cost Per Mile.</p> <p>Second Plant \$2.74 based on 2022.</p> <p>FTL Unavailable.</p> <p>TRV Unavailable.</p> <p>VMDM Unavailable.</p> <p>VM activities on underground distribution accessories occur simultaneously with the activities completed for distribution mains. Please see table in part A for the average cost per mile for VM activities completed within the Fuelwood and Second Plant programs.</p> <p>WMP-Chowcherry(2023)_DR_CalAdvoCates_032-Q003 Page 2.</p> <p>1) Please see table in part A for any costs associated with VM activities in HFTD/HFRA.</p> <p>2) Not applicable as VM does not conduct inspections on right-of-way (ROW) for absecon distribution lines.</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_032.pdf	0	N/A	8.2	Vegetation Management and Inspections	N/A
483	CaPA	Sat WMP-32	CaPA_Sat WMP-32	5	CaPA_Sat WMP-32_Q5	<p>Please estimate the typical, annual cost per mile of vegetation management activities that PG&E performs around the following line types:</p> <p>Absecon distribution mains located in HFTD/HFRA.</p> <p>Absecon distribution accessories located in HFTD/HFRA.</p> <p>Absecon distribution services located in HFTD/HFRA.</p> <p>Right-of-way for underground distribution located in HFTD/HFRA.</p>	<p>a) Please see table below for Fuelwood risk. Second Plant annual average cost per mile of VM distribution programs based on 2022 annual spent and 2022 actual miles.</p> <p>PG&E tracks costs for the entire VM program and does not include tree removal cost by Non-HFTD versus HFTD/HFRA, etc.</p> <p>Please note that annual costs per mile are currently unavailable for TRV, FTL, and VMDM as these programs were introduced in 2023.</p> <p>Program Cost Per Mile.</p> <p>Second Plant \$2.74 based on 2022.</p> <p>FTL Unavailable.</p> <p>TRV Unavailable.</p> <p>VMDM Unavailable.</p> <p>VM activities on underground distribution accessories occur simultaneously with the activities completed for distribution mains. Please see table in part A for the average cost per mile for VM activities completed within the Fuelwood and Second Plant programs.</p> <p>WMP-Chowcherry(2023)_DR_CalAdvoCates_032-Q003 Page 2.</p> <p>1) Please see table in part A for any costs associated with VM activities in HFTD/HFRA.</p> <p>2) Not applicable as VM does not conduct inspections on right-of-way (ROW) for absecon distribution lines.</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_032.pdf	9	N/A	8.2	Vegetation Management and Inspections	N/A
484	CaPA	Sat WMP-32	CaPA_Sat WMP-32	6	CaPA_Sat WMP-32_Q6	<p>Cal Advocates understands that, in every project to replace overhead line distribution with covered conductor, PG&E performs pole loading calculations for every pole in the project.</p> <p>Is the above characterization correct? Please elaborate if incorrect.</p> <p>Does PG&E have a threshold safety factor (or other result from a pole loading calculation) at which it will replace a pole?</p> <p>If the answer to part (b) is yes, please describe PG&E's threshold(s).</p> <p>If not applicable, please see the response to subpart (b) which explains the pole loading calculation.</p>	<p>a) PG&E performs pole loading calculations for every pole that will be supporting the covered conductor.</p> <p>b) PG&E adheres to the requirements of General Order 95, Rule 44. In addition, for covered conductor projects, we adhere to the standard practice, which is detailed in Chapter 10 of the Electric Design Manual, the relevant portion of which is included in attachment "WMP-Chowcherry(2023)_DR_CalAdvoCates_032-Q004A01.pdf."</p> <p>c) Please see the response to subpart (b) which explains the pole loading calculation.</p> <p>d) Not applicable, please see the response to subpart (b).</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_032.pdf	1	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
485	CaPA	Sat WMP-32	CaPA_Sat WMP-32	7	CaPA_Sat WMP-32_Q7	<p>Please provide the results of all pole loading calculations performed as part of all new-to-covered conductor replacement projects in 2022 and 2023 (as of October 1, 2023). This should contain the following at minimum:</p> <p>Raw Data.</p> <p>Estimated safety factor before conductor replacement (new conductor).</p> <p>Estimated safety factor after conductor replacement (covered conductor).</p> <p>Determination of whether the pole needed replacement based on safety factor.</p> <p>Whether the pole was actually replaced.</p>	<p>1. The Raw SAP Equipment ID for the in-service poles.</p> <p>2. The Barring Safety Factor after covered conductor installation.</p> <p>3. The Service Pole Status, criteria for the date field are as follows:</p> <p>• "Existing" means that the pole did not need to be replaced as a result of covered conductor installation.</p> <p>• "Replaced" means that the pole was replaced as part of the covered conductor installation project.</p> <p>• "New" means that the pole is newly replaced as part of the covered conductor installation project. A pole did not exist in this location prior to the covered conductor installation.</p> <p>4. The following options for the date field are as follows:</p> <p>WMP-Chowcherry(2023)_DR_CalAdvoCates_032-Q007 Page 2</p> <p>• Field</p> <p>• Composite.</p> <p>5. Details of Construction options for this date field are as follows:</p> <p>• A.</p> <p>• B.</p> <p>• C.</p> <p>6. Loadcase options for this date field are as follows:</p> <p>• GQ-35.</p> <p>• NESC.</p> <p>7. This information has been included in the attachment, as described in item 1 above.</p> <p>8) PG&E's vetting process does not include performing a pole loading calculation of the pole in the configuration prior to covered conductor installation. The model the pole with the covered conductor and equipment for the new project and make a determination as to whether the pole is adequately sized to remain in-service. If a pole is determined to be inadequate, the pole is replaced with a pole that is adequate for the new project.</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_032.pdf	1	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
486	CaPA	Sat WMP-32	CaPA_Sat WMP-32	8	CaPA_Sat WMP-32_Q8	<p>For each year from 2023 through 2025, please provide ten randomly selected pole loading calculations performed as part of a new-to-covered conductor replacement project. For these calculations, please provide:</p> <p>The full calculation inputs.</p> <p>The full calculation outputs.</p> <p>Any interpretations associated with the calculation (for example, an engineer's determination that the calculation demonstrates a pole must be replaced).</p>	<p>a) - (1) PG&E is providing the requested ten randomly selected pole loading calculations for covered conductor projects from 2020, 2021, and 2022. Please see attachment "WMP-Chowcherry(2023)_DR_CalAdvoCates_032-Q004A01.pdf" for the full pole loading calculations provided. Each of these pole loading calculations contains the inputs, outputs, and associated information (interpretations) to identify if the pole is in a state of being replaced. Projects constructed in 2023 are still undergoing quality verification and have not been included.</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_032.pdf	1	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
487	OEB	O15	OEB_O15	1	OEB_O15_Q1	<p>Regarding confirmation of 2024/2025 targets:</p> <p>PG&E's 2023-2025 WMP Revision 3 Table 8.1.7.2 (page 555) shows that PG&E expects to close 66,200 backing distribution system risk tags in 2024 and 59,000 backing distribution system risk tags in 2025. PG&E's targets in Tables 8.1.7.2 and 8.1.7.2.2 do not reflect the same expected number of backing system risk tags outlined in Table 8.1.7.2, as these tables show targets of closing 46,000 backing tags in 2024 and 50,000 distribution backing tags in 2025.</p> <p>Confirm PG&E expects to its targets to reflect the year and commitment made in its 2023-2025 WMP Revision 3 Table 8.1.7.2 (page 555).</p> <p>If not, explain the discrepancy between the commitment to close 46,000 backing distribution system risk tags in 2024 and 50,000 distribution system risk tags in 2025 (Table 8.1.7.2, page 555) to the targets outlined in Tables 8.1.7.2 and WMP-032-04-2.</p>	<p>6. The discrepancy between the two tables reflects expected multi-year planning versus an immediate need to the minimum required tags to meet our risk reduction targets. The 46,000 tags represent the minimum amount of tags needed to meet our 68% wildfire risk reduction in the tag backlog, which was set as the target in our latest WMP submission. Given the burning season projected in the subsequent Planning Notice response, we anticipate that we will be able to complete a larger number of tags. This will exceed the quantity and risk reduction targets that were initially set in Table 8.1.7.2 for each year. Additionally, the population of tags added to create the two tables is not identical. The population of tags that is included in writing Table 8.1.7.2 for the Revision Notice response includes some tags created in 2023. These tags were not part of the initial backlog population when the WMP target was written earlier in the year. Thus, Table 8.1.7.2 is based on the backlog population at the time of writing the initial 2023 WMP, while Table 8.1.7.2 reflects a more current state of the backlog.</p>	Danielle Smith	11/3/2023	11/8/2023	11/8/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_032.pdf	0	N/A	8.1.7	Open Work Orders	N/A
488	CaPA	Sat WMP-33	CaPA_Sat WMP-33	1	CaPA_Sat WMP-33_Q1	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of June 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>a) Work order ID number</p> <p>b) Equipment type</p> <p>c) Asset type: Distribution or transmission</p> <p>d) GQ 95 Rule 18 priority level of the tag</p> <p>e) Mile-specific priority level (A or B)</p> <p>f) Date the tag was originally created</p> <p>g) Date of the original work order</p> <p>h) Most recent date the work order was inspected or modified (if applicable)</p> <p>i) Date of the work order after it was inspected or modified (if applicable)</p> <p>j) Date the work order was completed & closed, if any</p> <p>k) Date the work order was completed & closed, if any</p> <p>l) Date the work order was completed & closed, if any</p>	<p>Please see attachment "WMP-Chowcherry(2023)_DR_CalAdvoCates_033-Q01A001.xlsx" for the requested data.</p> <p>The data in columns A through of the attachment has been provided from the 2023 Q2 GQR for tags where the original priority (column F) is A or B, or where the utility-specific priority level at the end of Q2 is A or B (columns M). Two columns, K and L, have been provided for the date the tag was completed and closed. Column K indicates the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	Aaron Loebe	11/9/2023	11/28/2023	11/28/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_033.pdf	1	N/A	8.1.7	Open Work Orders	N/A
489	CaPA	Sat WMP-33	CaPA_Sat WMP-33	2	CaPA_Sat WMP-33_Q2	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of September 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>a) Work order ID number</p> <p>b) Equipment type</p> <p>c) Asset type: Distribution or transmission</p> <p>d) GQ 95 Rule 18 priority level of the tag</p> <p>e) Mile-specific priority level (A or B)</p> <p>f) Date the tag was originally created</p> <p>g) Date of the original work order</p> <p>h) Most recent date the work order was inspected or modified (if applicable)</p> <p>i) Date of the work order after it was inspected or modified (if applicable)</p> <p>j) Date the work order was completed & closed, if any</p> <p>k) Date the work order was completed & closed, if any</p> <p>l) Date the work order was completed & closed, if any</p>	<p>On November 11, 2023, PG&E confirmed with Cal Advocates that providing data as of September 30, 2023, is sufficient for the response.</p> <p>Please see attachment "WMP-Chowcherry(2023)_DR_CalAdvoCates_033-Q02A001.xlsx" for the requested data.</p> <p>The data in columns A through of the attachment has been provided from the 2023 Q2 GQR for tags where the original priority (column F) is A or B, or where the utility-specific priority level at the end of Q2 is A or B (columns M). Two columns, K and L, have been provided for the date the tag was completed and closed. Column K indicates the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	Aaron Loebe	11/9/2023	11/28/2023	11/28/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_033.pdf	1	N/A	8.1.7	Open Work Orders	N/A
490	CaPA	Sat WMP-33	CaPA_Sat WMP-33	3	CaPA_Sat WMP-33_Q3	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of November 8, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>a) Work order ID number</p> <p>b) Equipment type</p> <p>c) Asset type: Distribution or transmission</p> <p>d) GQ 95 Rule 18 priority level of the tag</p> <p>e) Mile-specific priority level (A or B)</p> <p>f) Date the tag was originally created</p> <p>g) Date of the original work order</p> <p>h) Most recent date the work order was inspected or modified (if applicable)</p> <p>i) Date of the work order after it was inspected or modified (if applicable)</p> <p>j) Date the work order was completed & closed, if any</p> <p>k) Date the work order was completed & closed, if any</p> <p>l) Date the work order was completed & closed, if any</p>	<p>Please see attachment "WMP-Chowcherry(2023)_DR_CalAdvoCates_033-Q03A001.xlsx" for the requested data.</p> <p>The data provided was generated using the Quarterly Data Request tool on November 9, 2023. Since the GQR pulls from a database that tags SAP by one day, the initial release of the data in SAP is November 8, 2023. The data in columns A through of the attachment has been provided from the 2023 Q3 GQR for tags where the original priority (column F) is A or B, or where the utility-specific priority level at the end of November 8 is A or B (columns M). Two columns, K and L, have been provided for the date the tag was completed and closed. Column K indicates the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	Aaron Loebe	11/9/2023	11/28/2023	11/28/2023	https://www.pge.com/content/dam/pge/docs/leg-and-info/page-projects/absecon-and-sap/ca/haworths_033.pdf	1	N/A	8.1.7	Open Work Orders	N/A

Internal

498	CalPA	Sat WMP-34	CalPA_Sat WMP-34	8	CalPA_Sat WMP-34_Q8	<p>Provide an Excel table that lists (as rows) each momentary outage that occurred from January 1, 2017 through December 31, 2022 on any of the circuits identified in your responses to Question 6. For each outage, the Excel table should include the following information in separate columns:</p> <p>a) Outage ID b) Circuit Name c) Circuit ID d) Division e) Was EPSS enabled on this circuit at the time of the outage? f) When was this circuit made EPSS-capable? g) PM, First No Light h) Outage End Day & Time i) SERO (Count of Customers Experiencing Sustained Outages) j) Customer Minutes k) Cause (if known) l) Note</p> <p>Was the circuit published in responses to the momentary outages?</p> <p>Regarding PG&E's 2021 Reliability Report, PG&E stated "Severe reliability projects have been initiated on Garberville 1101 circuit to minimize the impacts of EPSS, and taking a more surgical approach in applying EPSS settings when the circuit is most at risk." However, PG&E did not report an EPSS outage for Garberville 1101 in 2021. PG&E's first reported outage on Garberville 1101 was on July 24, 2022, 10 which was after the 2021 Reliability Report was published. Please explain this discrepancy.</p> <p>Regarding PG&E's 2021 Reliability Report, PG&E stated "Severe reliability project has been initiated on Otter 1102 circuit to minimize the impacts of EPSS, and taking a more surgical approach in applying EPSS settings when the circuit is most at risk." However, PG&E did not report an EPSS outage for Otter 1102 in 2021. PG&E's first reported outage on Otter 1102 was on August 19, 2022, 13 which was after the 2021 Reliability Report was published. Please explain this discrepancy.</p> <p>In PG&E's November 2022 EPSS Monthly report, PG&E reports that there have been 28 outages on EPSS-enabled Transmission lines (T-EPSS) outages in the year to date.</p> <p>Are there downstream outages (e.g., to distribution customers that may be served from a substation that may be fed by the transmission line) that result from outages that occur on EPSS-enabled transmission lines? a) Did any of the 28 reported T-EPSS outages in 2022 cause downstream impacts to other transmission or distribution customers? b) If the answer to part (a) is yes, please describe the extent of the downstream impacts. c) If the answer to part (a) is yes, are those downstream outages reported as EPSS outages in PG&E's monthly EPSS reports or in any other reporting venue? d) If the answer to part (a) is yes, why did PG&E not have a backup or contingency transmission circuit(s) in place to avoid downstream distribution outages?</p>	Justin Hagler	12/1/2023	12/27/2023				8.1.B.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
499	CalPA	Sat WMP-34	CalPA_Sat WMP-34	9	CalPA_Sat WMP-34_Q9		Justin Hagler	12/1/2023	12/27/2023				8.1.B.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
500	CalPA	Sat WMP-34	CalPA_Sat WMP-34	10	CalPA_Sat WMP-34_Q10		Justin Hagler	12/1/2023	12/27/2023				8.1.B.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
501	CalPA	Sat WMP-34	CalPA_Sat WMP-34	11	CalPA_Sat WMP-34_Q11		Justin Hagler	12/1/2023	12/27/2023				8.1.B.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings