Ex Ante PA Workpaper Submission Cover Sheet

Title: PA Workpaper Submission Cover Sheet

Purpose: The information in this coversheet will be used by the EAR Team to identify incoming workpapers using consistent information applicable to track the workpaper review schedule and level of rigor.

INSTRUCTION: This cover sheet should be completed by Program Administrators (PAs) upon submitting a workpaper. Additional instructions are provided below.

REVISION NUMBER: 1

REVISION DATE: 4/17/2019, to be used starting 4/22/2019

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| **Program Administrator (PA) Information** | | |
| **Parameter** | **Description** | **PA Entry** |
| PA | Please check one. For statewide workpapers submitted by either SCE for electric measures or SCG for gas measures, please also check SW. | SW  SCE  PG&E  SCG  SDG&E |
| Contact info | Please provide name and email address of submitter | Ed Reynoso  [EReynoso@semprautilities.com](mailto:EReynoso@semprautilities.com) |

| **Workpaper Information** | | |
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| **Parameter** | **Description** | **PA Entry** |
| Workpaper Title | This entry should match the title on the workpaper. | LED Outdoor Parking Garage Lighting |
| Workpaper ID | This entry should match the workpaper ID on the workpaper. | WPSDGENRLG0181 |
| Revision Number | This entry should match the revision number on the workpaper. Whole numbers only. | Revision 6 |
| Source Description | This entry should match the source description for the workpaper. | WPSDGENRLG0181-6 |
| Phase and Effective Year | Please provide the Phase and effective year for the workpaper. | |  |  | | --- | --- | | Year: 2019 | Phase 1  Phase 2 |   Notes: |
| Effective Date | Please provide the proposed earliest date of any claims to be made against this workpaper if it is approved. If this is a Phase 2 workpaper, please account for the submittal date as the 1st or 3rd Monday of the month. | |  |  | | --- | --- | | Start Date | 8/1/2019 |   Notes: Date aligns with CPUC Energy Division Lighting Disposition issued on May 13, 2019 with file name “PG&ECOLTG151 R9 Parking Garage Lighting Memo\_2019-05-13.pdf”. |
| Expiry Date | Please provide the proposed last date of any claims to be made against this workpaper if it is approved. If this is unknown, please provide additional notes. | |  |  | | --- | --- | | Expiry Date | 12/31/2019 |   Notes: Date aligns with CPUC Energy Division Lighting Disposition issued on May 13, 2019 with file name “PG&ECOLTG151 R9 Parking Garage Lighting Memo\_2019-05-13.pdf”. |
| % savings of total PA net lifetime portfolio as reported in the most recent ABAL | This value is expressed as a % for both electric and gas. | |  |  | | --- | --- | | ABAL Year  2019 | Gas: 0.0%  Electric: 0.0% |   Notes: Not included in 2019 ABAL |
| % change to savings of total PA net lifetime portfolio due to workpaper revision | This value is expressed as a % for both electric and gas. | |  |  | | --- | --- | | ABAL Year: 2019 | Gas: 0.0%  Electric: 0.0% |   Notes:  The workpaper measures energy savings impacts have been reduced on average have by 84%. This is due because the number of pre-existing measures was 36 versus a post measure count of 8, so a total of 28 measures are due to retired on 7/31/2019. The SDG&E ABAL for 2019 did not forecast LED outdoor due to DEER Resolution E4952 timing which did not align with CPUC staff disposition that was released on May 13, 2019. |
| Associated workpapers or from DEER | Is this an adopted or short form workpaper from another PA or from DEER?  If Yes, please identify which workpapers are associated, including workpaper revision number and PA this is adopted from | Yes  No  Notes: This short form workpaper documents the values adopted from PG&E workpaper PG&ECOLTG151 Revision 9 as follows:   1. Updated Measure Application Type per CPUC Resolution E-4952/E-4818. 2. Updated measures definitions to align with PG&E’s workpaper revision (PG&ECOLTG151 Revision 9), for adding TLED lamps in the baseline savings and cost. 3. Removed legacy “sunset” measures ex-ante data records, to align with CPUC lighting disposition (dated May 13, 2019) and Resolution E-4952. 4. Adopted and created new measure definitions based on lumen bins per fixture structure, to align with PG&E’s latest workpaper revision. 5. Created new SDG&E Implementations that align with latest PG&E workpaper measures definitions.   467523-467530 (DnDeemed)  467531-467538 (DnDeemDI)  467539-467546 (UpDeemed)  SDG&E workpaper and ex-ante data submission have a start date of 8/1/2019 and expiry date of 12/31/2019, to align with CPUC lighting disposition. |
| Associated dispositions | Is there a disposition associated with this workpaper?  If Yes, please include the file name (eg. SCE17WP001R1\_Pool Pump\_2019-01-28.pdf) | Yes  No  Notes: CPUC Energy Division Lighting Disposition issued on May 13, 2019 with file name “PG&ECOLTG151 R9 Parking Garage Lighting Memo\_2019-05-13.pdf” |
| Why is the WP being revised? | Please check all boxes that apply and include a brief description as to why the workpaper is being revised (Eg., Code or standard change, DEER resolution, Change to statewide workpaper, Designated high uncertainty measure by CPUC that required new studies, New impact evaluations that changed values, Other) | Code  DEER  Disposition  CPUC Resolution  Baseline Update  Other: New Workpaper adoption  Cost Update  Industry Standard Practice Study  Notes: As noted per PG&E revision history for revision 6 below.  -Added TLED in the baseline and updated cost for parking garage only, and sunset all other outdoor lighting measures. Switched wattage bin structure to lumen bin structure.  -Updated to Measure Codes LT480-LT487. Removed NC MAT.  -Measures effective 4/1/2019.  -Changing the WP title to “LED Outdoor Parking Garage Lighting” but keeping the same WP number.  -Revised TLED lamp efficacy to 111 lm/W, results in TLED fixture efficacy of 85.2 lm/W.  -Revised TLED cost from $0.0042/lm to $0.0036/lm. |
| Consult with stakeholders | Utilities must demonstrate how they have consulted with stakeholders in their workpaper submissions, this could include vendors, third party implementers, manufacturers, CalTF, etc. | Notes:   1. PG&E used multiple studies to develop the workpaper. 2. PG&E, 1.5 EM&V, Market Potential, and Other Studies – Base Case and Measure Case Information  * Section 1.5.2 CALiPER Snapshot Report. * Section 1.5.3 Lighting Dispositions * Section 1.5.4 California LED Pricing Analysis * Section 1.5.5 LED Workpaper Update Study * Section 1.5.6 Exterior Lighting Standard Practice Baseline and Workpaper Support * Section 1.5.7 LED Non-Residential Lighting Market Characterization  1. SDG&E provided delta watts comparison between proposed PG&E energy savings measures and DEER measures savings. 2. SDG&E has an internal governance for adopting new workpapers that considers market uptake, cost effectiveness, and third-party implementation. |
| Additional notes: |  | 1. EAD tables are submitted with the file name “EAD\_LED Outdoor Parking Garage Ltg\_2019-06-06.mdb”. |

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| **Revision History** | | | | |
| **Revision Number** | **Revision Date** | **Implementation Start Date** | **Author** | **Summary of Changes** |
| 0 | 3/15/2019 | 3/18/2019 | Kerri-Ann Richard, EAR Team | Original Cover Sheet |
| 1 | 4/17/2019 | 4/22/2019 | Kerri-Ann Richard, EAR Team | Addition of Consult with Stakeholders entry |