**Workpaper Submission**

**Cover Sheet**

**Purpose:** The information in this coversheet will be used by the Deemed Review Team to identify incoming workpapers using consistent information applicable to track key information needed for the workpaper review.

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

**Program Administrator (PA) Information**

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| --- | --- | --- | --- |
| **Parameter** | **Description** | **PA Entry** | |
| **PA** | Please check one. | SCE   PG&E | SCG  SDG&E |
| **PA Lead based on Use Category** | Please check one. | SCE  SCG  PG&E  SDG&E | |
| **Contact info** | Please provide the name and email address of submitter. | Andres Fergadiotti  [Andres.Fergadiotti@sce.com](mailto:Andres.Fergadiotti@sce.com) | |

**Workpaper Information**

| **Parameter** | **Description** | **PA Entry** |
| --- | --- | --- |
| **Date of Workpaper Submission** | This entry should be date of upload to WPA (MM/DD/YYYY). Actual submission date will be noted as the subsequent first or third Monday of the month. | 11/30/2020 |
| **Workpaper Title** | This entry should match the title on the workpaper. | High Efficiency Refrigerated Display Cases |
| **Source Description** | This entry should match the source description for the workpaper.  (e.g., SWHC099-01) | SWCR014‐02 |
| **Workpaper Phase** | Please provide the phase and year for the workpaper.  (e.g., 2020 P2 Workpaper Revision) | |  | | --- | | Effective Year: | | Phase 1  Phase 2  New workpaper  (new product or technology, new delivery type)  Workpaper revision  (new tiers, new costs, change in measure parameters such as EUL or NTG, measures added to workpaper)  Workpaper adoption (IOU adoption with new Implementations, no change to Measures, Cost and EE Impacts) |   Notes:  Pull-Down Display Case equipment class no longer present in DOE database; therefore, these measure offerings were removed. Four additional equipment classes were found to be largely present in most recent DOE database; therefore, these measures have been recommended as New Measures. |
| **Rationale for Workpaper Revision** | Please check all boxes that apply and include a brief description explaining why the workpaper is being revised. | Not a revision but a new WP  Code  DEER  Disposition  CPUC Resolution  Baseline Update  Cost Update  Industry Standard Practice Study  Other: \_\_Savings Update\_\_\_  WP Resubmission of Existing Revision (minor edits/corrections/new implementations)  Notes:  Additional equipment classes were added as measures in this update. All measure material costs were escalated to 2020 using the 2020 RSMeans City Cost Indexes. The measure case labor costs were updated by applying RSMeans 2020 hourly labor rates to the labor hours for labor and subcontractors descriptions identified in WO017.  Measure savings were updated based on the analysis of Title 10 compliant display case models identified on the current U.S. Department of Energy Compliance Certification Database. The average Daily Energy Consumption for the equipment class was compared to the Maximum Daily Energy Consumption calculated as per Title 10 2017 to calculate the prescribed percentage above the federal standard. This prescribed percentage was applied to calculate the unit energy savings based on the mean size per each equipment class. |
| **Measure Impact Type**  **(DEER / CEDARS)** | Please check boxes that apply and include a brief description explaining measures types if using Custom. | Cust-FuelSub  Cust-Gen  Cust-NMEC  Cust-RCT  Cust-SEM  Deemed-DEER  Deemed-WP  Deemed-DEER-FuelSub  Deemed-WP-FuelSub  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 first or third Monday of the month. Please add 90 days, where applicable.[[1]](#footnote-1) | Start Date: 01/01/2022  Notes: |
| **Total expected statewide net lifetime savings from workpaper measures in the year indicated.** | This value is expressed in kWh and therms for electric and gas, respectively. | Year: 2022  Electric: (kWh) TBD  Gas: (therms) NA  Check which PAs are included in this estimate of savings:  SCE  PG&E   SCG  SDG&E  Notes: |
| **Change in net lifetime portfolio savings due to workpaper revision in the year indicated.** | This value is expressed in kWh or therms for electric and gas, respectively. Note a + indicates portfolio savings are expected to increase and a – indicates portfolio savings are expected to decrease. | Year: 2022  Gas: +/– (therms) NA  Electric: +/– (kWh) 5%  Describe the sources of the change:  Additional equipment classes were added as measures. Previously existing measure savings were adjusted based on the updated average product performance score based on the updated units included within the DOE database. |
| **Stakeholder Communications** | Describe which stakeholders were notified and what was the outcome of the correspondence. For some workpapers this may not be applicable. Please include additional sheets if necessary.  (E.g., Manufacturer for SCT submitted comments on workpaper, see attached) | 3P Implementer  Distributor(s)  Manufacture(s)  IOU Internal Stakeholders (Policy/Program Operations/Senior Leadership/Business Operation)  External Stakeholders (consultants, engineering SME, etc.)  Notes:  Updated measures and measures savings communicated and coordinated with Program. |
| **CalTF Development** | During development of this workpaper were there any specific flagged issues from CalTF pertaining to technical methodology or approach? | Yes  No  If Yes, then select issues types:  Savings model approach and or assumptions require updating (baseline, ISP, non-DEER building protypes, data files, extrapolation, weather data, etc.)  Measured savings calculations approach and or assumptions require updating (M&V plan, NMEC, Non-Routine Events (NRE), independent 3P validation)  Sample size may not representative of all climate zones, building types, HVAC, etc.  Issue with Savings Calculations (Interactive Effects, HOU, Code, Baseline, ISP, proprietary NDA, etc.)  Notes: |
| **Potential Market Impacts or Controversies** | Describe any responses to the stakeholder communications and any other sources of stakeholder or PA implementation concern with this workpaper revision regarding negative market impacts or controversies. | Yes  No  If Yes, then please check appropriate boxes:  3 Party Direct Install (DI) inventory  Existing contractual commitments  Lead time procurement issues  Market Disruption (ramp down/re-start)  Delivery channel changes (UpDeemed/DnDeemed/DnDeemDI)  PA Program ramp down (no longer cost effective)  Other (please detail)  Notes: |
| **Associated Dispositions** | Is there a disposition associated with this workpaper?  If yes, please include the file name. (e.g., SWFS007-02\_HotHoldCab\_02\_19\_2020.pdf) | Yes  No  Notes: |
| **Additional Notes** |  |  |

**Cover Sheet Revision History**

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| --- | --- | --- | --- | --- |
| **Revision Number** | **Revision Date** | **Implementation Start Date** | **Author** | **Summary of Changes** |
| 0 | 3/15/2019 | 3/18/2019 | Kerri-Ann Richard, Deemed Review Team | Original Cover Sheet |
| 1 | 4/17/2019 | 4/22/2019 | Kerri-Ann Richard, Deemed Review Team | Addition of Consult with Stakeholders entry |
| 2 | 05/18/2020 | 05/18/2020 | Kerri-Ann Richard, Deemed Review Team | Updated All Entries |

1. 90-day does not apply to new workpapers or new measures added to workpapers. [↑](#footnote-ref-1)