**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. | Anders Danryd  [adanryd@socalgas.com](mailto:adanryd@socalgas.com)  Chan Paek  [cpaek@socalgas.com](mailto:cpaek@socalgas.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. | 12/07/2020 |
| **Workpaper Title** | This entry should match the title on the workpaper. | Tankless Water Heater, Commercial |
| **Source Description** | This entry should match the source description for the workpaper.  (e.g., SWHC099-01) | SWWH006-05 |
| **Workpaper Phase** | Please provide the phase and year for the workpaper.  (e.g., 2020 P2 Workpaper Revision) | |  | | --- | | Effective Year: 2021 | | 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:  Update to water heater energy savings due to CPUC memo allowing customization of Tech IDs in water heater calculator v 4.2. Updated workpaper to include all commercial building types per E-5082 |
| **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: \_\_\_CPUC Memo\_\_\_  WP Resubmission of Existing Revision (minor edits/corrections/new implementations)  Notes:  Revisions for Water Heater Calculator v4.2 updates to savings. Reduced large water heater input capacity to more accurately normalize savings for all building types. Updated workpaper to include all commercial building types per E-5082 |
| **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:  Deem-DEER savings for small and medium units.  Deem-WP workpaper savings using Water Heater Calculator v4.2 DEER outputs as well as custom tech IDs for large units |
| **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: 01/01/2021  Notes:  Updates to prior revision which is intended to start 1/1/2021 |
| **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: 2020  Electric: (kWh)  Gas: 9,200,696 (therms)  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: 2020   |  |  | | --- | --- | | ABAL Year:  SCG 2020 | Gas: 4.28%  Electric: N/A | | ABAL Year:  PGE 2020 | Gas:  Electric: N/A | | ABAL Year:  SCE 2020 | Gas: N/A  Electric: N/A | | ABAL Year:  SDGE 2020 | Gas:  Electric: N/A |   Gas: 50% (therms)  Electric: – (kWh)  Describe the sources of the change:  Savings of small units remains the same as current approved workpaper for 2021. Savings for large units goes up about 100% to around the current 2020 workpaper value |
| **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: |
| **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:  Large Impact on 2021 statewide water heater program due to having to redetermine forecast and incentivization structure |
| **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** |  |  |

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