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. | Enhanced Ventilation and VFD for Packaged HVAC Units with Gas Heating and Packaged Heat Pumps |
| Workpaper ID | This entry should match the workpaper ID on the workpaper. | WPSDGENRHC0029 |
| Revision Number | This entry should match the revision number on the workpaper. Whole numbers only. | Revision 0 |
| Source Description | This entry should match the source description for the workpaper. | WPSDGENRHC0029-0 |
| Phase and Effective Year | Please provide the Phase and effective year for the workpaper. | |  |  | | --- | --- | | Year: | 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 | 1/1/2019 |   Notes: |
| 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 | N/A |   Notes: |
| % 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 | Gas: N/A  Electric: N/A |   Notes: New workpaper so the % savings lifetime portfolio per the most recent ABAL is uncertain for 2019 and estimated to be below 0.05 % |
| % 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 | Gas: <0.05 %  Electric: 0.05% |   Notes: Measure is not expected to have a large impact of portfolio |
| 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 PGE’s workpaper entitled “Enhanced Ventilation and VFD for Packaged HVAC Units with Gas Heating and Packaged Heat Pumps” (PGECOHV143 Revision 3). SDG&E adopts all the values in PGECOHV143 Revision 3, with the following exceptions:  1. Measure Application Type was adjusted to Add-on Equipment (AoE) from Retrofit Add-On (REA)) |
| 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: |
| 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 measures\_  Cost Update  Industry Standard Practice Study  Notes:  Updated savings estimates using DEER prototype updates released with DEER2015 and DEER2017  • Measure cost analysis was updated to use current information for ADEC pricing  • Work paper content was updated according to Resolution E-4818 existing conditions  • Work paper format was updated to match latest template  • Included “Enhanced Ventilation” measures (PG&E SA measure codes); DCV has been removed from the scope of this workpaper, and the savings (and measure costs) for the “Enhanced Ventilation” measure codes are now determined by summing the savings (and measure costs) of the VFD measure (for adding VFD to a unit that already has ADEC) and the DCV + ADEC measure (for adding DCV and ADEC to a unit) from the PGECOHVC168 (Demand Controlled Ventilation) workpaper |
| 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:  This workpaper adoption is currently going through internal SDG&E Customer Programs governance workflow process. |
| Additional notes: |  | EAD tables are submitted with the file name “EAD\_2019-04-27.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 |