Work Paper SCE17WP016

**Revision 0**

**Short Form**

**Southern California Edison**

**Recirculation Pump Control for Multifamily Residential**

**Introduction**

This short form workpaper (WP) documents the values adopted from SDG&E’s WP entitled “WPSCGREWH161128A-Rev00\_Recirculation Pump Control for MF”. SCE adopts all the values in WPSCGREWH161128A-Rev00\_Recirculation Pump Control for MF.

# Document Revision History

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| --- | --- | --- | --- |
| **Rev** | **Date** | **Author** | **Summary of Changes** |
| 0 | 06/05/2018 | Ajay Wadhera (SCE) | 1. Calculation templates were developed based on PGE’s template “WPSCGREWH161128A-Rev00\_Recirculation Pump Control for MF”. |

**Measure Summary**

Table : Measure Summary Table

| **Section** | **Value** |
| --- | --- |
| **Summary & Purpose** | This short form workpaper documents ex-ante load impacts and cost-effectiveness values for Recirculation Pump Control for MF. All measure definitions were adopted from the WPSCGREWH161128A-Rev00\_Recirculation Pump Control for MF workpaper. |
| **1.1 Measure & Baseline** | Please refer to Attachment #1 Calculation Templates for the list of measure solution codes. |
| **1.2 Technical Description** |  |
| **Measures** | No Difference |
| **Code for All Measures** | No Difference |
| **Requirements** | Please refer to WPSCGREWH161128A-Rev00\_Recirculation Pump Control for MF workpaper for further details.   * The customer must be residential SCE electric customer.   Note: Other program level restrictions and guidelines exist for this work paper. Please see the **Programs Restrictions and Guidelines** section. |
| **1.3 Installation Type and Delivery Mechanisms** |  |
| **Installation Type** | No Difference |
| **Delivery Mechanisms** | Residential:  Direct Install  Down-Stream Incentive - Deemed |
| **1.4.1 DEER Data** |  |
| **Net-Gross-Ratio** | Res-Default>2 = 0.55. |
| **Effective and Remaining Useful Life** | No Difference |
| **Section 2. Calculation Methodology** |  |
| **Energy savings/Peak Demand Reduction – All Measures** | Savings come from the WPSCGREWH161128A-Rev00 workpaper for all applicable measure definitions adopted in this workpaper. |
| **Section 3. Load Shapes** | Residential Pool Pumps |
| **Section 4. Costs** |  |
| **Section 4.1 Base and Measure Costs** | Please refer to Attachment #1 Calculation Templates for detailed baseline and measure costs. |

**Attachments**

1. SCE17WP016.0 A1 – Calculation Templates\_Final