**WORKPAPER DISPOSITION FOR**

**Strip Curtains for Doorways to Refrigerated Storage**

**California Public Utilities Commission, Energy Division**

February 27, 2013

Refer to Table 1 for a list of currently submitted IOU workpapers that cover Strip Curtains

Table 1 – Strip Curtains for Doorways to Refrigerated Storage

|  |  |  |
| --- | --- | --- |
| **Workpaper ID** | **Workpaper Title** | **Date Submitted** |
| **PGE** |  |  |
| PGECOREF103 | Strip Curtains For Doorways to Refrigerated Storage | 08/28/2012 |

**Workpaper Disposition:**

**Disposition Summary**

1. Strip Curtain HIM Status: During the review of this same workpaper for the 2010-2012 program cycle, IOUs stated they believed that strip curtain claims would not be high enough to reach HIM status. For this reason, staff chose not to issue a disposition for strip curtain workpapers. However, in review of claims for the 2010-2012 cycle, as well as the proposed E3s for the 2013-2014 cycle, strip curtains represent a large fraction of savings, accounting for almost two percent of PG&E’s expected total electric savings for the 2013-2014.
2. Technical Review from 2010-2012 Cycle: No disposition was issued for the workpapers submitted for the 2010-2012 program cycle. However, Energy Division staff had still recommended that workpapers be revised to match SCE’s workpaper WPSCNRRN0002 Revision 3. PGE has modified the workpaper submitted for the 2013-2014 cycle to match the SCE workpaper[[1]](#footnote-1).
3. Savings Values Overestimated Compared to Available EM&V Results: Energy Division staff believes that savings values are still over-estimated when compared to the result s from the Commercial Facilities Contract Group report[[2]](#footnote-2) concerning strip curtains.
4. Additional Savings Values Reductions: The Energy division staff recommends to reduce the energy savings for grocery stores by a factor of 25% and for all the other building types by a factor of 75%

**Energy Savings Estimation Summary**

The energy savings for strip curtains presented in the Commercial Facilities Contract Group report are shown in Table 2. The adjusted and the energy savings from the strip curtains workpaper are available are included in the embedded excel workbook.

Table 2 - Energy Savings from Commercial Facilities Contract Group report

|  |  |  |  |
| --- | --- | --- | --- |
|  | # of Sites in Sample | Ex-Post Evaluated Energy Savings (kWh/ft2) | Range of Savings from Workpaper |
| Supermarket – freezer | 9 | 409 |  |
| Supermarket – cooler | 14 | 159 |  |
| Restaurant – freezer | 20 | 77 |  |
| Restaurant – cooler | 22 | 18 |  |
| Convenience – freezer | 17 | 16 |  |
| Convenience - cooler | 54 | 14 |  |
| Refrigerated Warehouse | 14 | 177 |  |

**Reference(s):**

1. Ref1: Energy Savings Estimation



1. Note that SCE has not included strip curtains in their 2013-2014 application. [↑](#footnote-ref-1)
2. Commercial Facilities Contract Group Direct Impact Evaluation Final Report, ADM Associates, Inc., February 18, 2010, page 6-6, Table 6-3 [↑](#footnote-ref-2)