CPUC Comments on SWWB006-03 High Performance Crawlspace

Lead PA: SCE

Workpaper Submittal Date: 12/7/2020

CPUC Review Date: 2/3/2021

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| CPUC Comment | PA Response |
| No match in PEAR for "DEER: Res: HVAC\_Eff\_AC" electric impact profile. | Have updated EAD and Measure Data Spec to use “DEER:HVAC\_Eff\_AC”. |
| No match in PEAR for "0" labor rate ID | Updated in the EAD to be blank. |
| Please change the Workpaper Title on the cover sheet to “High Performance Crawlspace” to match the WP document and previous versions of the WP. | Updated title in cover sheet document |
| In the revision history table, it is stated that NTG was updated from “ET-Default” to “Res-Default>2”. The workpaper text and NTG table on page 9 show the “ET-Default” numbers, and the EAD implementation table also includes the “ET-Default” NTG IDs.  “ET-Default” appears to be appropriate for this offering. Please make sure that all documents: workpaper and revision text, EAD tables, measure data specification worksheet are consistent with each other. | Updated workpaper document, EAD, and Measure Data Specification files to use ET-Default. |
| I was unable to find 14.6 air changes per hour at 50 Pascals (ACH50) in the reference cited in the workpaper (Sherman & Chan, 2013). I was able to infer the 14.6 ACH50 for existing buildings from the (Sherman & Dickerhoff, 2018) study, which is cited in the ET14SCE1100 study.  On page 5 of (Sherman & Chan, 2013), a median value of 5.5 ACH50 for single-family homes tested in 1999 and 2001 is listed. The source also references a median value of 8.6 ACH50 in homes built before 1987, from an earlier study (Offermann, 2009).  This measure is listed as being only applicable to homes both single-family and mobile homes built before 1978. With this stipulation an ACH50 of 14.6 appears to be the best available data, however, the workpaper references and text need to be updated to reflect that (Sherman & Dickerhoff, 2018) is the basis of the baseline leakage rates for existing homes. | Updated workpaper document to include footnotes for both Sherman & Dickerhoff (1998) and Sherman & Chan (2013) references. The Sherman & Dickerhoff reference is for the 14.6 ACH50 (existing buildings) study while the Sherman & Chan reference is for the 5.5 ACH50 (new construction after 2000) study.  Added the Sherman & Dickerhoff reference “Air-Tightness of US Buildings” article in reference folder also. |
| We’d appreciate a brief explanation (in your response here) as to why this measure will only be eligible in one CZ (CZ15). | Based on preliminary cost effectiveness analysis, this measure was only found reasonably cost effective in CZ15. |

Please note responses to comments in the table below, revise workpaper, and upload the entire package to the WPA. If needed, please reach out to Workpaper Review Team to set up a call to discuss.