CPUC Comments on SWPR004-02 Circulating Block Heater

Lead PA: SCE

Workpaper Submittal Date: 12/7/2020

CPUC Review Date: 03/22/2021

Additional CPUC Comments in blue 5/14/2021

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| CPUC Comment | PA Response |
| Raw data used for regression analysis is missing. Provide regression calculations for review. | The raw data used for the regression analysis was provided in hidden tabs in the ‘Sensitivity Analysis.xls’. For clarity, this spreadsheet has been renamed to ‘Regression and Sensitivity Analysis.xls’ and the raw data tabs have been unhidden. The regression coefficients provided in the ‘Regression Results’ tab of the ‘Regression and Sensitivity Analysis.xls’ are linked to their respective raw data tabs. |
| The regression data in tabs “BL SizeX Var” do not report the generator size information. It appears only size 1 and size 2 regression results were used to model the baseline – is it because only size 1 and size 2 data showed high dependence? Same comment for measure case data. | [PA Response 4/12/21] This workpaper update removed measure offerings SWPR004E and SWPR004F (800-1099 kW backup generator) from the workpaper due to negative incremental measure costs. These measure offerings corresponded to size category 3. Since these measures are no longer included in the workpaper, only size 1 and 2 regressions results are used in both the base case and measure case.  CPUC response 5/14: Since the affected measures are removed, there are no additional comments. The size category 3 and 4 charts and tables should be removed from the workpaper to avoid confusion.  [PA Response 5/19] All charts and references that relates to category 3 and 4 sizes has been removed. |
| The reported relationship (on the left below) between average kWh and average OA temp in tab “BL Size1 Var” is different than what we calculated (on the right below) using the reported raw data. Where is the discrepancy coming from? Please review the regression results on all tabs.    [PA Response 4/12/21] The regression is used to predict kWh as a function of OA temperature. The relationship that you provided above on the right side reflects OA as a function of kWh, which is inconsistent with the regression results provided on the “BL Size1 Var” and BL Size2 Var” tabs. This is aligned with the formulas provided within the workpaper document.  CPUC comment 5/14: The current regressions are correctly calculated. No additional comments. | |

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.