CPUC Comments on SWHC043-02: Multiple Capacity Unitary Air-Cooled Commercial Air Conditioners between 65 and 240 kBtu/h

Lead PA: SDG&E

Workpaper Submittal Date: 3/1/2021

CPUC Review Date: 3/18/2021

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| CPUC Comment | PA Response |
| Measure case inp files are not submitted for review. Please provide sample measure case inp files. Reviewers are unable to verify the measure case updates. | Energy Solution, Bryan Boyce, provide INP files to DNV staff, Saroj Karki, on 4/19/2021 via email correspondence. They will be included in the workpaper WPA submission on 5/3/2021. |
| There are several errors in PEAR.   |  |  |  | | --- | --- | --- | | **Fieldname** | **Worksheet(s)** | **Comment** | | EUL\_ID | MeasureExAnte | No match | | RUL\_ID | MeasureExAnte | No match | | Version | MeasureExAnte | No match | | Version Source | MeasureExAnte | No match | | MeasImpact Type | MeasureExAnte | No match | | Use Category | MeasureExAnte | No match | | UseSubCategory | MeasureExAnte | No match | | Techtype | MeasureExAnte | No match | | Techgroup | MeasureExAnte | No match | | MeasTech ID | MeasureExAnte | No match | | PreTech Group | MeasureExAnte | No match | | PreTech ID | MeasureExAnte | No match | | Bldgloc | CostExAnte | No match | | Version Source | CostExAnte | No match | | Norm Unit | CostExAnte | No match | | Use Category | CostExAnte | No match | | UseSubCategory | CostExAnte | No match | | Techtype | CostExAnte | No match | | Techgroup | CostExAnte | No match | | Labor rate | CostExAnte | No match | | On 4/21/2021, SDG&E staff received an email correspondence from DNV staff, Saroj Karki. The given email provided an explanation of the error due to having extra columns in the EAD table which were causing the error. Upon removing those columns all EAD values matched. |
| When was the manufacturer cost data obtained? Do the cost data need to be updated? | SDG&E provided an email to CPUC staff on 4/30/2021 on the approach of updating all cost records. Those cost updates are now reflected in the EAD cost table and Measure Data Specification. |
| “HigherStageCycLoss.xlsx” is password protected. We could not review the compressor EIR f(PLR) performance curve used in the modeling project. | Both Energy Solution, Bryan Boyce, and DNV staff, Saroj Karki, had a follow up conference call to unlock protected files and review compressor performance curve data used to model the measures. |

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.