CPUC Comments on SWPR002-02 VFD for Glycol Pump Motor

Lead PA: PGE

Workpaper Plan Submittal Date: 6/18/2021

CPUC Review Date: 07/01/2021

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.

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| CPUC Comment | PA Response |
| Excluded operating hour data was stated to have bad reads – has this or can this conclusion be vetted? | Our previous conclusion regarding misread data is based purely on the data found on Reference 2. There are several participants with the repetitive numbers (7, 8, 9, 10, 11, and 13). Participant No. 7 and 9 have two motors of different sizes (runtime>8000).    However, participants No. 8, 10, 11 and 13 have identical motor size but different runtime hours.    We believe the lower run-time hours are not accurate, based on the type of process and as indicated by the rest of the participants runtime hours (>8000 hrs.) |
| Will a pump that runs 8,413 hours per year last for 15 years? | For a proper sized motor and running at designed conditions; respectable organizations such as the Department of Energy and ASHRAE indicate the life expectancy of an electric motor is 18 - 20 years. Based on these references we believe that a motor can last at least 15 years running 8,412 hours/year.  See Exhibit “A”. |

EXHIBIT “A”: LIFE EXPECTANCY OF ELECTRIC MOTORS ACCORDING TO ASHRAE

