BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION, Complainant,

v.

PUGET SOUND ENERGY, Respondent.

EIGHTH EXHIBIT (NONCONFIDENTIAL) TO
THE PREFILED RESPONSE TESTIMONY OF

ED BURGESS

ON BEHALF OF NW ENERGY COALITION, FRONT AND CENTERED, AND
SIERRA CLUB

JULY 28, 2022
BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Dockets UE-220066 & UG-220067
Puget Sound Energy
2022 General Rate Case

NWEC DATA REQUEST NO. 068:

Re: Gas System Costs

Regarding the hybrid heating pilot referenced in Exhibit JJJ-1T, what is the expected annual therm usage for the average residential customer after converting to a hybrid heat pump? Please provide all associated analyses and workpapers.

Response:

The Energy and Environmental Economics ("E3") analysis\(^1\) used an assumption of approximately 579 therms per year for a standard (non-hybrid) heating residential customer with a gas furnace used for all of the space heating load. The assumption used for the hybrid heating alternative residential customer was approximately 188 therms per year. The difference between the two is approximately 391 therms per year. Ongoing meter data analysis on existing hybrid heating systems in our service territory will validate or refine this estimate.

\(^1\) E3 Studies were provided in the Fourth and Fifth Exhibits to the Prefiled Direct Testimony of Joshua J. Jacobs, Exhs. JJJ-5 and JJJ-6.