

EXH. DLJ-____X
DOCKETS NOS. UE-240004/UG-240005
2024 PSE GENERAL RATE CASE
WITNESS: DAVID LANDERS

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

DOCKET NOS. UE-240004 and UG-240005
(Consolidated)

**CROSS-EXAMINATION EXHIBIT OF DAVID J. LANDERS
ON BEHALF OF THE
JOINT ENVIRONMENTAL ADVOCATES**

**EXHIBIT DJL-____X (NONCONFIDENTIAL)
PSE Response to JEA's Data Request No. 78**

October 28, 2024

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

**Dockets UE-240004 & UG-240005
Puget Sound Energy
2024 General Rate Case**

JEA DATA REQUEST NO. 078:

Refer to DJL-10T, page 20 of 50, stating “In this multiyear rate plan, the Alternate Fuels Readiness program will place into service a small one-megawatt hydrogen electrolyzer to evaluate use of natural gas-hydrogen blends in fueling existing electrical generation plants for reduced carbon emissions and to produce hydrogen for delivery system pipeline blending evaluations.” Has PSE conducted any analysis of the emissions intensity of the hydrogen that its proposed electrolyzer would produce? If so, please provide all documents in PSE’s possession describing this analysis.

Response:

Puget Sound Energy (“PSE”) has not conducted analysis on emissions intensity associated with operation of the proposed electrolyzer, as the focus of the pilot is to operate a small-scale electrolyzer to gain operational experience in applying hydrogen as an alternate resource to existing power generation facilities, provide a supply of hydrogen for evaluating operational characteristics within existing natural gas distribution system components, and to expand foundational knowledge of both PSE personnel and other interested parties.

Please see Attachment A to PSE’s Response to JEA Data Request No. 027 for additional details and objectives of the electrolyzer pilot at PSE’s Fredrickson generation facility.