Exh. CRM-12
Dockets UE-220066, UG-220067, UG-210918
Witness: CHRIS R. MCGUIRE

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION, **Complainant,** **v.** **PUGET SOUND ENERGY,** **Respondent.**	**DOCKETS UE-220066, UG-220067, UG-210918 (consolidated)**
In the Matter of the Petition of **PUGET SOUND ENERGY** **For an Order Authorizing Deferred Accounting Treatment for Puget Sound Energy's Share of Costs Associated with the Tacoma LNG Facility**	

EXHIBIT TO TESTIMONY OF

CHRIS R. McGUIRE

STAFF OF WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

PSE Response to UTC Staff Data Request No. 37

July 28, 2022

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

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

WUTC STAFF DATA REQUEST NO. 037:

Referring to the Background Section, Item A; given PSE's statements in its 2021 IRP and the testimony of Company witness Anderson in UG-151663; in order for the Tacoma LNG project to inject the full 66,000 Dth/day of vaporized gas to serve its system peak gas loads, the North Tacoma Gate Station outlet pressure will need to be reduced by approximately 20 psig. To accomplish this reduction in pressure at the North Tacoma Gate Station, PSE will need to install approximately 2.1 miles of 12" high pressure line in order to increase capacity.

Since the outlet pressure reduction project at the North Tacoma Gate Station has not been completed, the current vaporization injection capability of the Tacoma LNG project into PSE's distribution system is at 76 percent of its design capacity (50,000 Dth/day). Confirm this understanding as correct, explain if not.

Response:

For reference, attached as Attachment A to Puget Sound Energy's ("PSE") Response to WUTC Staff Data Request No. 037 is the Background Section that was provided with this request.

The physical vaporization capability of the Tacoma LNG Facility is 66,000 Dth/day. The ability of PSE's Tacoma gas system to absorb vaporized LNG is currently limited to 50,000 Dth/day because that is the expected demand of that portion of the PSE system under design peak conditions. Additionally, supply destined to serve Puget LNG of 19,000 Dth/day can be diverted to other portions of the PSE gas system. Thus, the Tacoma LNG Project as currently configured can provide a total of 69,000 Dth/day of peaking service or 81% of the original plan of 85,000 Dth/day. The 2.1-mile-long Bonney Lake upgrade project (and resetting of the outlet pressure at North Tacoma Gate Station) allows the vaporized volumes to effectively reach a large share of PSE's distribution system and increase peak shaving. PSE analyzed the Bonney Lake project as an incremental resource in the 2017, draft 2019 and 2021 Integrated Resource Plan studies and found it to be a cost-effective resource, if and when additional peaking service is needed.

ATTACHMENT A to PSE's Response to WUTC Staff Data Request No. 037