Exh. MM-25r
Docket TP-250574
Witness: Michael Moore

BEFORE THE STATE OF WASHINGTON

UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION, Complainant, v. PUGET SOUND PILOTS, Respondent.	Docket No. TP-250574

EXHIBIT TO TESTIMONY OF

Captain Michael Moore

ON BEHALF OF

PACIFIC MERCHANT SHIPPING ASSOCIATION

10-Year Vessel Projection Analysis

~~**January 2, 2026**~~

Revised March 6, 2026

Corrected cells B22, B35-36, C35-36, and D35-36

Title change C34

10-YEAR TREND VESSEL TRAFFIC PROJECTION

Marine Exchange Data (2015-2025, excluding 2020 COVID anomaly)

HISTORICAL DATA

Year	Vessel Arrivals	Pilot Assignments (Actual)
2015	2,484	7,795
2016	2,544	7,661
2017	2,504	7,249
2018	2,559	7,324
2019	2,554	6,993
2021	2,340	6,953
2022	2,534	7,482
2023	2,383	7,040
2024	2,486	7,589
2025	2,434	7,016

TREND LINE STATISTICS

Period analyzed: 2015-2025
Number of data points: 10
Average vessel arrivals: 2482
Average pilot assignments 7310
Trend (change per year): -10.22 arrivals/year

PROJECTIONS FOR RATE YEARS

Year	Projected Vessel Arrivals	20-Year Correlation Ratio	Projected Pilot Assignments
2026	2,424	2.8764	6,972
2027	2,414	2.8764	6,944

METHODOLOGY NOTE:

This projection uses linear regression trend line analysis ("hindcasting") of Marine Exchange vessel arrival data. The correlation ratio of 2.8761 was established in Exhibit MM-23 and demonstrated to have 99.65% accuracy when tested against actual 2025 PSP assignment data.

Calendar year 2020 is excluded from the analysis as a COVID-19 pandemic anomaly year.

2025 represents PSP's actual trailing twelve-month assignments (Dec 2024-Nov 2025) of 7,016, converted to vessel arrivals using the correlation ratio for trend line consistency.*