

Pacific Merchant Shipping Association's Response to Bench Request No. 4:

DATE PREPARED: August 31, 2020 DOCKET: TP-190976 REQUESTER: Bench Request	WITNESS: Capt. Michael Moore RESPONDER: PMSA
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BENCH REQUEST NO. 4:

Given the testimony on the record about significant changes in vessel movements in the Puget Sound pilotage district beginning in the first quarter of 2020 due to the COVID-19 pandemic, please provide actual vessel movements for the first and second quarter of 2020, and updated three-year projections for vessel movements in the Puget Sound pilotage district (2021, 2022, 2023). Please provide a narrative explanation describing the basis for each update.

PMSA RESPONSE TO BENCH REQUEST NO. 4:

Please find the attached vessel arrival-movement count for the first and second quarter of 2020, as provided by the Marine Exchange of Puget Sound (Bates number PMSA_000950). This document updates to June 30, 2020, the data displayed in Exhibit MM-7(b)r, which provided the vessel arrival-movement count through December 31, 2019.

Note that total movements column simply adds arrivals and shifts but does not include departures. Departures would have to be considered if seeking total "vessel movements." Vessel movements also do not include cancelations, which PSP includes in their assignment total. Nor are second-pilot assignments captured in this data, but those are reported as a second vessel movement in PSP and BPC data.

Exhibit MM-7(a)r reports arrivals by vessel type from 1992 through 2018 in order to provide a long-term trend and context for vessel movements. Please find attached the same data updated through 2019 (Bates numbers PMSA_000944-PMSA_000949).

Regarding the request for 2021, 2022 and 2023 projections of vessel movements and port calls and a narrative to accompany the response to this request, PMSA does use historical and actual data to display vessel call trends, including the historical decreasing trends in vessel calls and increased size per vessel per call (see the orange line in Figure I. "Annual Vessel Calls vs. Average Vessel Size (2005-2019), Exh. MM-1Tr 19:15-25). However, PMSA did not provide a three-year projection of vessel arrivals or movements and therefore has no projection subject to an update as requested in this Bench Request.

History supports the value of hindcasting for evaluating long-term trends, but it does not account for the uncertainty of key factors in the short-term. Those factors include, for example, COVID-19, tariffs, economic conditions, geopolitical events, manufacturing shifts, port competitiveness (including costs and incentives), larger vessels calling on fewer ports. What is obvious is that the historical decreasing trend in vessel calls has been exacerbated by the challenges of 2020. The uncertainties include how and when conditions will improve and whether current conditions will lead to regaining a significant portion of lost vessel calls. Large cruise ship port calls at the Port of Seattle were canceled until further notice: there were 232 calls (464 assignments) scheduled for 2020 with 152 calls scheduled after June 30, 2020. Container ship calls were down 52 year to date through June 30, 2020, with 58 cancelations through August 2020, with no more cancelations announced. All ship call sectors decreased other than tank vessels in an unusual oil sector year (loss of demand, glut of oil, storage on water, vessel shifts). The factors impacting different shipping sectors vary widely. For example, grain exports are driven by different set of factors than car carrier imports/exports or the cruise sector, oil sector, container sector, general cargo sector, non-grain bulk or roll on/off (RoRo) sector.

The following page lists the documents accompanying this response.

File Name	Description	Bates Number(s)
PMSA BR 4 doc 1.pdf	Chart of Cargo Total, Tankers, Passenger, and Total Arrivals for Grays Harbor and Puget Sound for the period 1992 to 2019.	PMSA_000944
PMSA BR 4 doc 2.pdf	Line chart showing Puget Sound arrivals for the period 1992 to 2019	PMSA_000945
PMSA BR 4 doc 3.pdf	Line chart showing Puget Sound arrivals for the period 1992 to 2019	PMSA_000946
PMSA BR 4 doc 4.pdf	Line chart showing Puget Sound arrivals for (i) Deep Draft Arrivals Overall; (ii) All Cargo Vessel Arrivals; (iii) Container Vessel Arrivals; and (iv) Bulk Vessel Arrivals for the period 1992 to 2019	PMSA_000947
PMSA BR 4 doc 5.pdf	Line chart showing Puget Sound arrivals for (i) Deep Draft Arrivals Overall; and (ii) Passenger Vessel Arrivals, for the period 1992 to 2019	PMSA_000948
PMSA BR 4 doc 6.pdf	Line chart showing Puget Sound arrivals for the period 2009 to 2019.	PMSA_000949
MONTHLY ARRIVAL-MOVEMENT COUNT 20200630 (002) (002).pdf	Chart showing Puget Sound and Grays Harbor arrivals and shifts for 2019 and 2020 year to date as well as for the month of June 2019 and June 2020.	PMSA_000950