

Air Emissions Update

For more details: www.pugetsoundmaritimeforum.org



Airshed
Emission
Changes
2005-2016



Pollutant	Ocean-going Vessels	Recreational Vessels	Locomotives	CHE	Trucks	Overall	Normalized*
CO	-16%	-44%	-2%	-43%	-92%	-41%	-56%
CO ₂ e	-11%	-11%	-34%	-33%	-87%	-2%	-27%
DPM	-86%	-39%	-3%	64%	-93%	-58%	-69%
NOx	-29%	-2%	-29%	-51%	-94%	-32%	-49%
SO ₂	-97%	-92%	-99%	-100%	-99%	-97%	-98%
VOC	-13%	-50%	-2%	11%	-93%	-38%	-54%

While there was a decrease in the overall tons of cargo and total vessel movements in 2016 as compared to 2011, TEU throughput actually increased by 31%. Even with this increase in TEU throughput, emissions decreased significantly across all emission categories in 2016 as compared to 2011.

*per 10,000 tonnes of cargo

Airshed reduction in tons/year diesel particulate matter (Port of Everett)

2005 - 2016 per category

