

This document is a text-only reovery of the original PDF file. Any graphics that were in the original PDF are not included here. If you need the original document, please contact the Commission Clerk at the Port of Seattle.

Item No. 8c_supp

Meeting Date: February 14, 2023

Modification to Interlocal Agreement (ILA)

with the National Renewable Energy

Laboratory?

Adrian Down

Aviation Environmental

Past Work

- SEA has partnered with NREL Athena team since 2021?

- Athena uses innovative data science to evaluate travel patterns?

- NREL completed a passenger mode choice simulator (MCS) model for SEA?

- Predicts passengers travel modes to SEA in response to changes in trip cost or duration?

- Applicable to many Ground Transportation Access Plan (GTAP) initiatives?

2

2023 Workplan

- Current request adds \$200,000 (approved in 2023 expense budget)

- and new scope to existing ILA with NREL to continue modeling work

- Will integrate SEA's traffic model with existing MCS to study traffic at SEA

- Improves model's accuracy and behavior predictive power

3

Example Model Structure

4