

Sea-Tac Airport's Role in Developing an Aviation Biofuels Market

Stephanie Meyn

Climate Protection Program Manager
Seattle-Tacoma International Airport

Environmental Goals and Directives



“Reduce aircraft-related carbon emissions at Seattle-Tacoma International Airport by 25%”

“Lead US airport industry in environmental innovation and minimize the airport’s environmental impacts”

Aircraft-related emission solutions



Our History

- Sustainable Aviation Fuels Northwest
- Washington State Aviation Biofuels Work Group
- FAA Center of Excellence for Alternative Jet Fuels & Environment, and Aviation Sustainability Center (ASCENT)
- Recent history: Aviation Biofuels Infrastructure Study with Alaska Airlines & Boeing

Roadmap – Exploring our Role

Incremental Cost
of Fuel



Airport role in
covering
incremental cost
of biofuel

Airport role in
corporate
partnership
program

Financing & In-
state Production
Incentives



Airport role in
bonds, low
interest
financing

Airport
support/access
to unused or
brownfield sites

Infrastructure
Integration



Airport role in
providing
receiving, storing
& blending
facilities for
biofuel at Sea-Tac

Incremental Cost - The “Oslo Model”

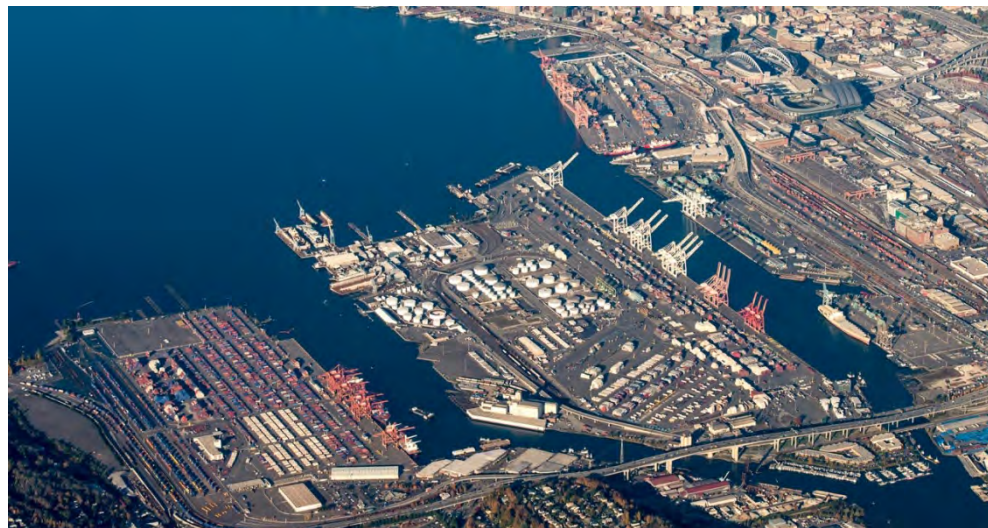


Images courtesy: SkyNRG and BP.com



Low Interest Financing/Real Estate

- Port has access to capital and low-interest financing for infrastructure



- Many assets with current industrial use & zoning, easy access to pipeline
- Leverage other government resources and funding

Infrastructure Integration

Short-term: Delivery
from out-of-state

Requires flexible
receiving, storing, &
blending facilities with
fuel farm integration



Where we are headed

- Complete Infrastructure Feasibility Study by December 2016
- Develop scope of work to examine airport role in covering incremental cost of biojet
- Continue to support regional research and development initiatives
- Stated goal: 50 million gallons of biojet delivered annually

Thank You

Stephanie Meyn

Climate Protection Program Manager
Seattle-Tacoma International Airport

Meyn.S@portseattle.org

(206) 787-3678

