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