



COMMISSION
AGENDA MEMORANDUM

Item No.

9a

BRIEFING ITEM

Date of Meeting

April 24, 2018

DATE: April 2, 2018

TO: Stephen P. Metruck, Executive Director

FROM: Elizabeth Leavitt, Senior Director, Environment and Sustainability Center of Expertise
Jeremy Webb, Aviation Environmental Program Manager
Jane Dewell, Maritime Stormwater Program Manager
Tom Fagerstrom, Airport Noise Programs Coordinator

SUBJECT: Environmental Excellence and Fly Quiet Awards

EXECUTIVE SUMMARY

In honor of Earth Day (4/22/2018), Port staff will recognize 2017 winners of the Port of Seattle Environmental Excellence Awards Program (Awards Program) for both the aviation and maritime divisions. The Awards Program annually recognizes customers, tenants, non-profits and partners of all sizes for outstanding environmental leadership, and encourages continuous improvement by celebrating their accomplishments and acknowledging the critical role they play in assisting the Port in meeting its environmental goals.

Port staff will also recognize winners of the Port's Fly Quiet Awards for airline noise reduction efforts at Seattle-Tacoma International Airport (STIA). The annual Fly Quiet Awards were developed by Port staff and a citizen advisory committee in 2005 as a way to increase airline and pilot awareness of the impact of aircraft noise on local communities. Fly Quiet was included as a continuing noise program measure in the most recent Part 150 Noise Study update completed in 2014.

AWARD CHANGES

This was the first year the maritime Awards Program was open to all maritime customers, tenants and partners, which better aligned aviation and maritime Awards Programs. In recent past, the maritime awards have focused on the cruise industry. In addition, "Green Gateway" was omitted from the Awards Program title.

The Energy and Sustainability Committee, chaired by Commissioners Felleman and Calkins, will update the Port's environmental awards for 2019 with an eye towards creating a comprehensive award that engages all of the Port's stakeholders and elevates the community's sense of the Port's environmental innovation.

2017 AWARD WINNERS

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The Maritime Division received seven nominations and selected four winners. The Aviation Division received eleven nominations and selected three winners. Award winners and key accomplishments are described by division and award category below, and include award type distinctions (e.g. Honorable Mention and Honor Roll).

MARITIME ENVIRONMENTAL EXCELLENCE AWARDS

Environmental Performance

Vigor

This award recognizes Vigor's outstanding environmental accomplishments including:

- Installed energy efficient LED fixtures at Harbor Island facility with motion sensors, reducing the facility's energy consumption by 823,000 kWh annually;
- Conducted in-depth analysis of waste stream and eliminated garbage waste, resulting in a 91% recycling rate; and
- Hosted Earth Day Clean Up Event in cooperation with the City of Seattle at Harbor Island facility with 200+ employees and adopted monthly "Extreme Clean" campaign.

Environmental Performance

Castan Inc. Trucking Company – Small Business

This award recognizes Castan's proactive decision to eliminate diesel engines from their fleet including:

- Converted entire truck fleet of 1996 diesel engines to 2014 liquefied natural gas engines resulting in significant health and environmental benefits; and
- Reduced harmful Nitrogen Oxide by 85%, Particulate Matter by 99.8%, and 72 tons of greenhouse gas (GHG) emissions annually.

Environmental Performance - Honorable Mention

Maxum Petroleum – for various measures reducing environmental risk and improving habitat.

Seaview Boatyard – for various measures improving air and water quality.

Education and Outreach

Maxum Petroleum

This award recognizes Maxum's extensive collaboration with community and environmental organizations including:

- Hosted a two-day Advanced Incident Command System Training and Emergency Drill with spill response contractors, neighboring facilities, state and federal agencies; and

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- Organized two Advance Stormwater Management Workshops with the Environmental Coalition of South Seattle (ECOSS).

Innovation

Seaview Boatyard – Small Business

This award recognizes Seaview’s leadership in innovative stormwater treatment including:

- Led Washington boat yards as the first boat yard to install advanced stormwater reclamation using the StormwaterRx Aquip System, which helped to accelerate the adoption of similar stormwater treatment systems industry-wide; and
- Improved water quality via the advanced stormwater reclamation system.

AVIATION ENVIRONMENTAL EXCELLENCE AWARDS

Environmental Performance

United Airlines

This award recognizes United Airlines for outstanding environmental accomplishments at STIA and system-wide. United:

- Added twenty-two electric Ground Support Equipment at STIA saving 20,000 gallons in fuel and cutting GHG emissions by 217 metric tons annually;
- Converted their air cargo facility lighting to energy-efficient LEDs saving 124,000 kWh (71%) and \$14,000 annually;
- Implemented other sustainability initiatives including:
 - Changed in-flight operations and materials saving 1.6 million gallons in fuel and cutting GHG emissions by 20,500 metric tons annually;
 - Supported alternative aviation jet fuel development including being the first U.S. carrier to fly with commercial-scale volumes of sustainable alternative jet fuel (2016) and continuing to fly using sustainable aviation fuel today out of LAX;
 - Invested \$30 million in U.S.-based alternative aviation fuels developer; and
 - Donated unused products and recycled in-flight waste through United’s Eco-Skies program.

Environmental Performance – Honor Roll

HMSHost

This award recognizes HMSHost for a diverse range of sustainability initiatives related to their STIA restaurant operations. Honor Roll distinction is based on the significance, diversity and scale of HMSHost’s accomplishments combined with past awards in 2016, 2015, and 2014.

HMSHost:

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- Participated in Seattle’s Strawless September campaign to reduce plastic pollution and permanently switched to on-request only environmentally preferable straws;
- Donated 16,574 meals (20,718 lbs.), \$20,000 cash, and 40 backpacks to the Des Moines Area Food Bank;
- Reduced STIA restaurant waste and conserved resources including:
 - Recycling 68 tons of glass and cardboard, and 7,000 pallets from Airport warehouse;
 - Using environmentally-preferable durable (washable) food service ware;
 - Donating or recycling nearly all used restaurant equipment and furniture during four restaurant closures in 2017;
 - Converting to energy-efficient LED lighting Energy-Star rated appliances; and
 - Conserving water by offering it on-request only to sit-down restaurant customers.

Innovation – Small Business

The Common Acre

This award recognizes The Common Acre for its innovative, ecologically-focused land conservation project called “Flight Path”, which highlights effective public-private partnership and community outreach. The Common Acre:

- Partnered with Port staff to convert three acres of neglected scrub land at the former Tye Golf Course into managed pollinator habitat;
- Bred disease-resistant honeybees including 70 queen bees to enhance site and surrounding area pollination and improve ecosystem health;
- Developed a custom native plant seed mix using select plant species that support healthy pollinator populations and improve aviation safety by discouraging bird flocking;
- Commissioned and installed a pollinator and transportation-themed art exhibit in the Airport terminal between 2014 and 2015 that featured 26 regional artists and reached over two million viewers; and
- Harvested and sold honey from STIA beehives to help cover operational costs.

FLY QUIET AWARDS

Airlines are judged using 3 award criteria: the sound levels of their operations (utilizing 4 of the Port’s noise monitors), success at flying within the noise abatement flight procedures, and adhering to the airport’s ground maintenance engine run-up regulations.

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Fly Quiet Bravo Award

Southwest Airlines

This award goes to the quietest jet airline among the five busiest airlines operationally at STIA for:

- Noise levels were consistently lower than competitors; and
- Flew the noise abatement procedures at a high rate of success.

Fly Quiet Regional Award

SkyWest Airlines

This award is presented to the quietest regional jet airline at STIA for:

- Reached low levels of noise from their operations; and
- Had good success at flight procedures.

Fly Quiet Award

Spirit Airlines

This award is for the quietest jet airline at STIA with at least 1,000 annual operations. This year's winner displayed:

- Were outstandingly and consistently flying STIA's flight procedures correctly; and
- Noise levels were significantly lower than their competitors in this large group.

ADDITIONAL BACKGROUND

Airport staff created the Environmental Excellence Awards Program in 2010. One or more awards may be given each year, depending on the quality and quantity of nominations received. The Maritime Division has offered the "Green Gateway" awards since 2010 focusing on environmental leadership within the cruise industry.

In order to better align the two award programs, the Maritime and Aviation Divisions began joint participation in the Environmental Excellence Awards in 2017, offering participation to all maritime customers, tenants and partners this year. The Airport and Maritime Divisions accept nominations for any project, process, or action that promotes environmental leadership and stewardship in one of the following three environmental categories:

- Performance
- Education and Outreach
- Innovation

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NEXT STEPS

Port of Seattle Commissioners and Port Leadership will have the opportunity to present commemorative plaques to award winners and pose for pictures during an Award Luncheon tentatively scheduled for 5/23/18 at 12:00-1:30PM in the Airport’s International Conference Center (London Room).

Port staff will also acknowledge the 2017 Award winners through digital and print media outlets (e.g. Port website, social media, newsletters), a public press release, and local public radio underwriting spots (88.5 FM KNKX).

ATTACHMENTS TO THIS BRIEFING

- (1) Presentation slides

PREVIOUS COMMISSION ACTIONS OR BRIEFINGS

None