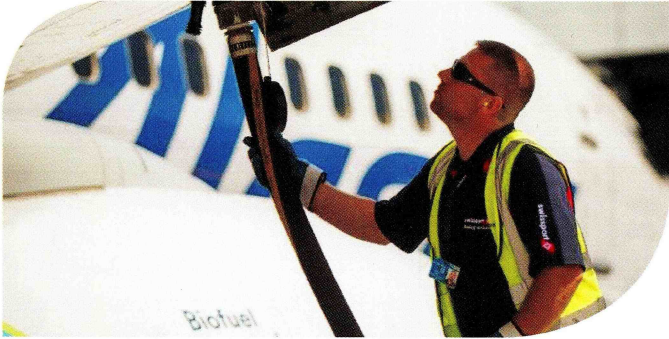# Environment and Sustainability Programs

Seattle-Tacoma International Airport has set a goal to be the greenest, most energy efficient airport in North America. Our environmental programs – many of which have been recognized nationally as models for other airports – fall into four key areas of focus:

1. AIR QUALITY & EMISSIONS REDUCTION

Sea-Tac is working to address the largest source of emissions at the airport – aircraft operations.

- By providing pre-conditioned air and electricity to power aircraft while they are sitting at the gate, we are reducing aircraft engine emissions by more than 40,000 metric tons of greenhouse gases.

- To reduce taxiing times, the airport's ramp tower directs aircraft when they are off the runways, which cuts emissions five percent.

- We are collaborating with Alaska Airlines, the Boeing Company, and other partners to eventually power every flight fueled at Sea-Tac with biofuels, which have a carbon footprint 50 to 80 percent lower than regular jet fuel.

- We are reducing diesel emissions and greenhouse gases by installing charging stations on our airfield so airlines and ground handling companies can use electric ground support equipment.

2. GREEN TRANSPORTATION

We have a goal to transition all vehicles at our airport toward cleaner energy sources.

- We use compressed natural gas buses to our rental car facility and employee parking lot.

- The taxi services and ride-sharing services who contract with the airport are required to meet strict environmental standards.

- We are converting our motor pool to electric vehicles, and we provide 48 publicly available charging stations in our public parking garage.

- For our cycling passengers and employees, we have bike lockers, a bike break-down/maintenance station, and access to bike boxes.

- The Port also works with King County Metro to increase transit to the airport, and has contributed $110 million to ensure Sound Transit Light Rail access.

By providing pre-conditioned air and electricity at each gate, we are reducing aircraft engine emissions by **more than 40,000 metric tons of greenhouse gases.**

3. WASTE REDUCTION & RECYCLING

Sea-Tac is more than halfway to its goal of recycling 60 percent of solid waste generated at airport-operated facilities by 2020.

- We provide recycling bins, water refill stations, and compost bins throughout our concourses, at security checkpoints, and in food court areas.

- We provide our airlines with compactors to make it easier for them to divert waste after flights.

- Airport dining and retail businesses are required to recycle and compost their waste, and they must use compostable service ware and utensils.

- One result of our efforts is increased food donations, with over 45,000 meals per year sent to local food banks. In addition, we donate used cooking oil from our concessionaires to be made into biofuels.

Sea-Tac set a goal of **recycling 60 percent of solid waste** generated at airport-operated facilities by 2020.

FOR MORE INFORMATION VISIT
www.portseattle.org/Environmental

4. WATER AND WILDLIFE MANAGEMENT

Sea-Tac is actively engaged in preserving and protecting the natural resources surrounding the airport.

- We remove pollutants, reduce flooding, and prevent spills through our network of stormwater collection piping, retention ponds, stormwater management practices, and wastewater treatment facilities. All of the stormwater that falls on airport property is detained and treated prior to being released into local waterways.

- Sea-Tac constructed and actively manages 160 acres of wetland habitat and two miles of rehabilitated stream.

- The airport's wildlife management program includes habitat projects like creating wildflower meadows to support pollinators, and constructing rubble piles for use by reptile and amphibian species.

- We installed honeybee boxes near our airfield to help strengthen honeybee populations in the Puget Sound region.

- To make the airport less attractive for those wildlife species that present hazards to aircraft, Sea-Tac became the world's first airport to use avian radar to detect potentially hazardous bird activity. In addition, Sea-Tac humanely captures and relocates many species of raptors, including bald eagles, to the Skagit Valley; more than 800 birds have been successfully relocated via this program.