

StART

2022 Annual Report
SEA Stakeholder Advisory Round Table



SEA

Seattle-Tacoma
International
Airport

2022 StART Members

Burien

Diana Smith
Jeff Harbaugh
Garmon Newsom II (Alt)



Tukwila

Peter Schilling
Brandon Miles
Laurel Humphrey (Alt)



Des Moines

Bob Leonard
Peter Philips
Michael Matthias
Susan Cezar (Alt)
Denise Lathrop (Alt)



Alaska

Scott Kennedy
Randy Fiertz (Alt)



Delta

Scott Ingham (Alt)



Federal Way

Dave Berger
Chris Hall
Michael Brugato
Bill Vadino
Steve McNey (Alt)



Air Cargo

FAA (non-members)

Justin Biassou
Leslie Lardie
Grady Stone
Vikas Uberoi
Alana Jaress



Normandy Park

Moira Bradshaw
Bryan Tomich
Amy Arrington



Port of Seattle

Lance Lyttle
Arlyn Purcell (Alt)
Laurel Dunphy (Alt)
Eric Schinfeld
Marco Milanese



SeaTac

Tejvir Basra
Robert Akhtar
Carl Cole
Kyle Moore (Alt)



Facilitation Team

Brian Scott
Dori Krupanics



Welcome & Summary

Committed to Collaboration



On behalf of the city government officials, community representatives, Port staff, and airline representatives who make this collaboration successful, I am pleased to present this report on the SEA Stakeholder Advisory Round Table's (StART's) 2022 activities.

This report features a summary of last year's work, including a list of key presenters, agenda items covered at StART meetings, and topics discussed at StART's Federal Policy and Aviation Noise Working Groups.

StART was created specifically for discussing and tackling airport and aviation industry impacts on the neighboring cities. By bringing together the Port, the FAA, the primary air carriers, and the airport's neighboring cities around the table, StART provides a venue for all the relevant parties to share information, collaborate and achieve results.

I do want to be frank that there are no easy solutions to the many concerns expressed by neighboring cities. The aviation industry and airports are both heavily regulated and so we have limited tools and flexibility on many of these topics.

Nevertheless, I applaud StART for its innovative spirit and for seeking out those areas where we can collectively play a role to influence and encourage change that leads to improvements within the neighboring cities. Much has been achieved to date, and I expect much more progress in the years to come.

I want to recognize the community and city representatives from the cities of Burien, Des Moines, Federal Way, Normandy Park, SeaTac and Tukwila who volunteer dozens of hours to learning, sharing knowledge, and advocating for the needs and desires of their neighbors and cities. I also want to recognize Alaska Airlines, Delta Air Lines, and the FAA for their active participation and for sharing their expertise and perspective with StART's membership. StART works because everyone who needs to be at the table has a seat.

I want to end by thanking the Port's Arlyn Purcell and Stan Shepherd for being such regular contributors on StART since the group's inception. Both retired in 2021 and their steady guidance and support will certainly be missed.

I am proud of StART's accomplishments in 2022 and look forward to an even more productive 2023.

In Community,
Lance Lyttle

SEA Airport Managing Director

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2022 StART Activity Summary

For the SEA Stakeholder Advisory Round Table, 2022 was focused on information sharing and collaboration.

StART provides Highline Forum-member cities, airline representatives, the Federal Aviation Administration (FAA) and the Port of Seattle with a forum for meaningful and collaborative public dialogue; informing airport-related decision-making; raising public knowledge about airport operations and impacts; and a focus on practical ways to reduce the impact of the airport on Highline Forum member cities. The intent is to foster a spirit of good will, respect and openness while encouraging candid discussion between the Port and other StART members.

After a year of renewal and trust building in 2021, StART members were fully focused on executing on the group's mission in 2022. Key themes included aviation ground noise, aviation fuel, the new airport's potential location, air quality, federal policy, general aviation noise, StART's membership, and the Sustainable Airport Master Plan (SAMP). The following are highlights from the year. More detail is available in the StART meeting minutes, which are accessible via the Port's website.

Aviation Ground Noise

During 2022, both the Aviation Noise Working Group and full StART meetings devoted considerable time to a Ground Noise Study commissioned by the Port of Seattle, overseen by the Aviation Noise Working Group and conducted by the international environmental and transportation planning firm, HMMH. The consultants gave regular updates on their work, which included both direct measurements of ground noise at several points surrounding and within SEA Airport, as well as modeling the potential impacts for various interventions and mitigation strategies.

Interventions explored include single engine taxiing, rolling takeoffs, reduced use of reverse thrust, less use of auxiliary power units, more efficient aircraft queuing and others. The final study report was completed in mid-2022.

Aviation Fuel

StART meetings also included several presentations related to aviation fuel. One focused on the (almost non-existent) practice of fuel jettisoning. Several others focused on the latest developments in sustainable aviation fuels (SAF), including a primer on SAF, as well as updates on efforts by airlines and the FAA to implement SAF usage.

Potential New Airport Location

StART members received a briefing on the Washington Commercial Aviation Coordinating Commission's progress, which is tasked with recommending a potential location for a new commercial airport in the greater Puget Sound region. The group is evaluating the benefits and challenges of several sites in the Puget Sound region.

Air Quality

StART also received a briefing on Puget Sound air quality and the South King County area's air quality.

Federal Policy

A special feature for StART was a briefing by U.S. Representative Pramila Jayapal on federal policies related to aviation at the April 27, 2022 full StART meeting. The Federal Policy Working Group focused considerable attention on identifying shared priorities for potential inclusion in the 2023 FAA Reauthorization Act, as well as proposed rules for control of air pollution from aircraft engines by the US Environmental Protection Agency and the FAA. The group also began making plans for a joint "fly-in" visit to Washington, DC to be held during spring 2023. Finally, as always, the Working Group also spent considerable time staying abreast of evolving federal policies relating to airports, the relationship with the Biden Administration, and specific federal programs.

General Aviation Noise

The Aviation Noise Working Group continued to explore and discuss issues related to aviation noise, including the airport's residential insulation program and late night runway usage. The group regularly received quarterly reports on the Port of Seattle's Late Night Noise Limitation Program, including a quarterly tally of late night noise exceedances by each airline and type of aircraft. The group also received regular updates on the number of noise comments and complaints received each month by the Port. As in earlier years, a strong majority of noise complaints received are from Vashon Island residents.

StART Membership

All StART meetings also include public comment, during which a strong majority of comments were from Vashon Island. Vashon residents expressed concern about the flight paths over Vashon Island and about the fact that StART's membership does not include representatives from Vashon Island. The StART Steering Committee reviewed membership policies and decided not to make a change.

Sustainable Airport Master Plan (SAMP) Process

Finally, StART meetings included an update from the Port of Seattle on the Sustainable Airport Master Plan (SAMP) process. In short, environmental analysis is ongoing and the SAMP environmental review process will be delayed by two years.



Guest Presenters at StART and Working Groups

- Chris Ryalls, Air Line Pilots Association Regional Airport Safety Coordinator, NW Mountain Region
- U.S. Representative Pramila Jayapal
- Eric Saganić, Technical Analysis Manager, Puget Sound Clean Air Agency
- David Fleckenstein, Director, Aviation Division, WA State Department of Transportation
- Carol Sim, Aviation Sustainability Center (ASCENT) Assistant Director, Washington State University
- Scott Coughlan, Director of Sustainability, Alaska Airlines
- Stephanie Zhu, General Manager of Sustainability, Delta Air Lines
- Dr. Jim Hileman, Chief Scientific and Technical Advisor, FAA Office of Environment and Energy
- Brad van Dam, Senior Vice President, Government Affairs, American Association of Airport Executives
- Thomas Mayo, Office of US Representative Adam Smith
- Vince Mestre, Noise Consultant
- Gene Reindel, Vice President, HMMH
- Scott Kennedy, Government Affairs Manager, Alaska Airlines
- Chris Schaffer, Manager of Planning, Environmental and Financial Programs, NW Mountain Region, Airports Division, FAA
- Steve Osterdahl, Air Traffic/Airspace Operations Director, Alaska Airlines

Port of Seattle Personnel

- Clare Gallagher, Capital Project Delivery Director
- Andy Gregory, Environmental Engagement Program Manager
- Arlyn Purcell, Aviation Environmental Services Director
- Stan Shepherd, Noise Programs Manager
- Tom Fagerstrom, Noise Programs Coordinator
- Eric Schinfeld, Federal Government Relations Manager
- Stephanie Meyn, Climate Program Manager
- Eric Ffitch, State Government Relations Manager
- Ken Galka, Air Cargo Operations Manager
- Steve Vittner, Airline Scheduling Systems Manager
- Samer Tirhi, Airline Scheduling Systems Specialist
- Marco Milanese, Community Engagement Manager



2022 StART Meetings



February 23

- Update on Community Outreach Planning for SAMP Near-Term Projects Environmental Review
- Federal Policy Working Group Activities
- Aviation Noise Working Group Activities
- Public Comment

April 27

- Federal Update
- Aviation Fuel Jettisoning & Airline Procedures
- Ground Noise Study: Mitigation Recommendations
- Federal Policy Working Group Activities
- Aviation Noise Working Group Activities
- Public Comment

June 22

- Noise Insulation Program Update
- Bipartisan Infrastructure Legislation Update
- Puget Sound Air Quality
- Aviation Noise Working Group Activities
- SAMP Update
- Public Comment

August 24

- Commercial Aviation Coordinating Commission Update
- Sustainable Aviation Fuel 101
- Regulations & Policies Supporting Sustainable Aviation Fuel
- Federal Policy Working Group Activities
- SAMP Update
- Public Comment

October 26

- Part 150 Noise Study Announcement
- Airline Efforts: Sustainable Aviation Fuel & Air Emission Reduction Programs
- SEA Efforts: Air Emission Reduction Programs
- FAA Efforts: Sustainable Aviation Fuel
- Federal Policy Working Group Activities
- Aviation Noise Working Group Activities
- SAMP Update
- Public Comment

December 14

- Impact of the Aircraft Noise Abatement Act (Pellicciotti bill)
- Part 150 Noise Study Primer
- Federal Policy Working Group Activities
- Aviation Noise Working Group Activities
- SAMP Update
- Public Comment

2022 Working Group Meetings

Federal Policy

February 7

- 2023 FAA Reauthorization Act
- Potential Joint Comment Letter for Proposed Rule for Control of Air Pollution from Aircraft Engines

April 18

- Prepare for US Representative Jayapal's Presentation at the Next StART Meeting
- 2023 FAA Reauthorization Act

May 23

- Feedback on US Representative Jayapal's Presentation
- 2023 FAA Reauthorization Act

July 11

- Aviation Impacted Communities Act
- Review of Draft 2023 FAA Reauthorization Priorities Letter
- Potential Joint Comment Letter on FAA Fuel Efficiency Rulemaking

September 19

- FAA Noise Contour Policy Briefing
- Draft 2023 FAA Reauthorization Priorities Letter Revision
- Planning for Joint DC Fly-in

December 5

- 2023 FAA Reauthorization Priorities Letter Update
- Planning for Joint DC Fly-in

Aviation Noise

January 19

- Ground Noise Study Update - Measurements and Modeling Results

February 14

- China Airlines Cargo Meeting Recap
- Rolling Takeoffs Noise Monitoring
- Ground Noise Study Potential Recommendations: Progress Update

April 11

- Alaska Airlines Fleet Changes
- China Cargo Airlines Update
- Ground Noise Study: Mitigation Recommendations
- Noise Comment Reporting & Utilization

June 13

- Noise Insulation Status Report
- FAA Grant Assurances Primer
- Rolling Takeoffs – Noise Monitoring Results
- Ground Noise Study Recommendations: Review & Next Steps

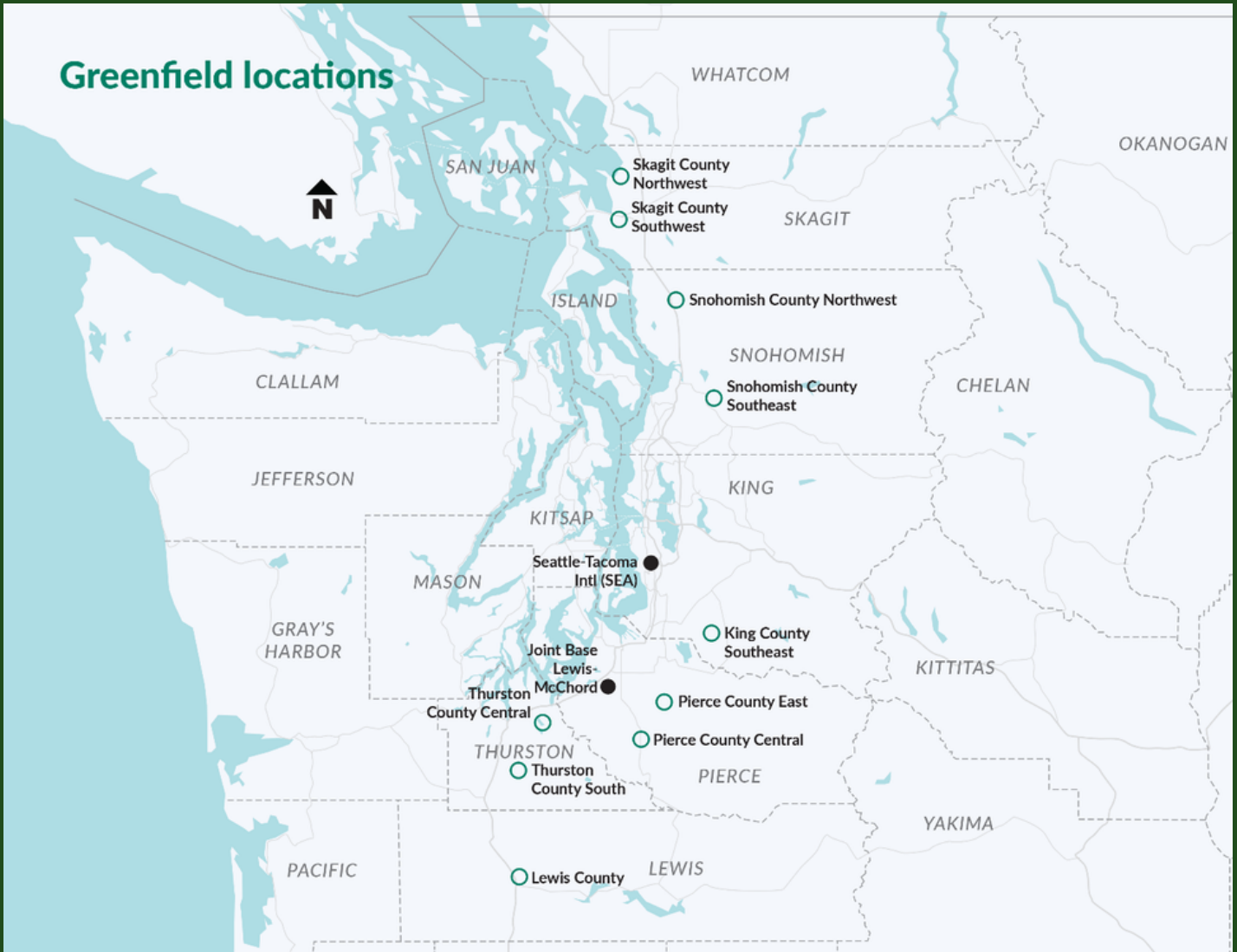
October 10

- Reverse Thrust 101
- Proposed SEA Reverse Thrust Language Change
- Rolling Takeoffs: An Update
- Part 150 Noise Study Announcement

December 12

- Terminal Flight Data Manager (TFDM) Overview
- Draft Rolling Takeoff Language
- Ground Noise Study Recap

Greenfield locations



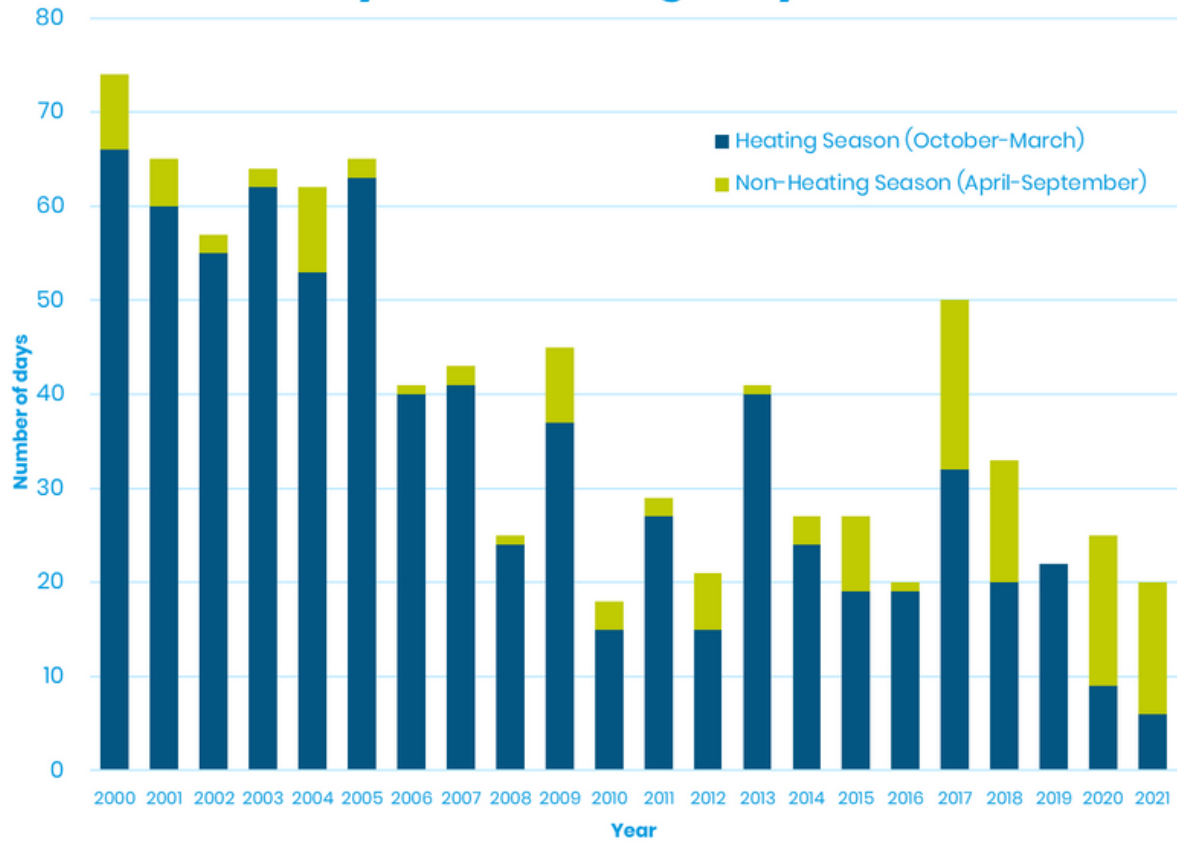
Commercial Aviation Coordinating Commission Update - August 24th, 2022

We set a path to Net zero by 2040



Sustainable Aviation Fuel 101 - August 24th, 2022

Days over the Agency Health Goal



Puget Sound Air Quality - June 22nd, 2022

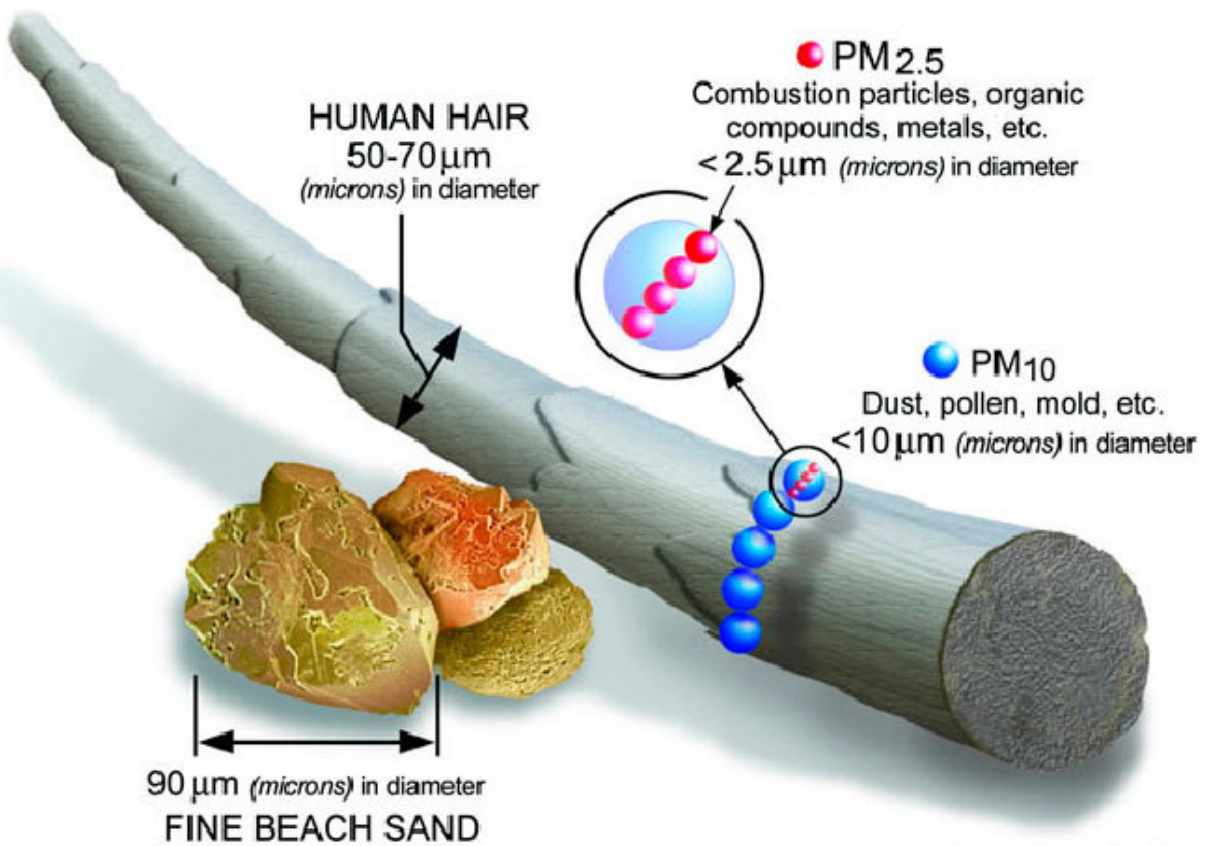


Image courtesy of the U.S. EPA

Puget Sound Air Quality - June 22nd, 2022



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