



AVIATION NOISE MANAGEMENT

PORT OF PORTLAND

Noise Management Mission

Minimize, to the extent possible, the noise impacts from aircraft utilizing airports operated by the Port of Portland. Encourage cooperation and collaboration with internal and external partners.

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For general information or to report a noise event dial: 503.460.4100 or contact us via email: pdxnoise@portofportland.com.

2017 YEAR IN REVIEW

	PDX	HIO	TTD	Not Airport-Specific	Total
Annual Flight Operations	228,949	210,821	117,824	-	557,594
Total Contacts	1,511	100	14	422	2,047
Total Households	241	40	11	119	411
Percentage Of Annual Submissions By Top 5 Households	68%	54%	57%	48%	57%
Community Outreach Events	18	7	1	-	26
Industry Outreach Events	11	0	3	1	15

Source of operations data – Port of Portland Research Department

*Note: "Not Airport-Specific" counts overflights, operations at non-Port of Portland facilities and submissions that could not be attributed to a specific airport.

OVERHEAD CONTINUOUS DESCENT APPROACH TRIAL PERIOD

The Oregon Air National Guard (ORANG) proposed adding flexibility in the use of the landing procedure known as the Overhead Continuous Descent Approach (OHCDA). Working with the Citizen Noise Advisory Committee, a 6-month trial analyzed the community impacts and compared the results with the 2008 analysis when the procedure was initially tested and implemented. Information related to this project and the final report will be available on the Port's website. Collaboration with the Port and CNAC was a voluntary effort initiated by ORANG to continue meeting their operational requirements while remaining a good neighbor. Ultimately it is the Federal Aviation Administration that holds the authority to approve or disapprove use of this procedure, and not the Port of Portland.

SUPPORTING OUR KIDS AND OUR COMMUNITIES

We continued our partnership with the Portland-based 142nd Fighter Wing of the Oregon Air National Guard providing support for the local STARBASE program (<http://dodstarbase.org>). STARBASE provides science, technology, engineering, and math (STEM) educational opportunities to students in communities surrounding PDX. We are proud to have supported this program since 2014.

PLANNING FOR THE FUTURE OF HILLSBORO AIRPORT

The Port is in the process of updating the Master Plan for Hillsboro Airport. The Master Plan documents the future of the airport identifying capital needs which help planning for the next 20+ years. Representatives from the Noise Team helped ensure both current and future community impacts are understood and incorporated into the planning.

UNMANNED AERIAL SYSTEMS

2017 was a big year from drones around the country and at the Port. Our role in the Port's stakeholder engagement expanded to include unmanned aerial systems (UAS). We provide subject matter expertise to UAS operators and the community. In support



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of this effort, we expanded our pilot information line to include instructions for unmanned aircraft operators, added web content outlining the federal requirements for UAS operations and added a dedicated drone email account to quickly respond to questions and flight notifications. For more information, call the Pilot Information Line at 503-460-4111 and select the option for “unmanned aviation”, or email us at drones@portofportland.com.

INDUSTRY ENGAGEMENT AND LEADERSHIP

Development of the Next Generation Air Transportation System (NextGen) remains a top priority for the Federal Aviation Administration and governments around the world. Our implementation of NextGen procedures started in 2008 and focused on understanding and incorporating community interests (i.e. noise impacts and emissions) from the outset. In 2017, we were asked to share our successful results at the Aircraft Noise and Emissions Reduction Symposium with our partners at Boeing and Alaska Airlines. We also participated in working groups hosted by the International Civil Aviation Organization (ICAO), with the goal of advocating for reductions in noise and community impacts and increased focus on community engagement.

NEXT-GENERATION INFORMATION SHARING

Modernization of the national airspace system is critical to meeting the future demand for air transportation. New technologies are also helping reduce aviation’s environmental footprint by reducing air emissions as well as noise impacts. To further share our successful NextGen story, the Port partnered with the Federal Aviation administration to develop a series of videos that describe the NextGen Program and how it played out in our own airspace. The videos are on display at a video kiosk in Terminal C for the traveling public and can be viewed anytime on our YouTube Channel.

IMPROVING FLIGHT TRACKING AND IMPROVING OUR SERVICE

Flight tracking is at the core of what we do. We analyze flights when responding to noise complaints, when monitoring noise program performance, and when exploring new strategies for reducing community noise impacts. Flight tracking around Hillsboro Airport (HIO) has always been limited due to poor radar coverage and the mountainous terrain surrounding the city. This year, we began exploring the benefits of new tracking technology: ADS-B. We are hopeful that ADS-B will provide more flight information for everything we do, and reduce our reliance on traditional radar feeds. We plan to continue testing in 2018 and expand our ADSB coverage if successful.