Seattle-Tacoma International Airport
Part 150 Study

StART Meeting
December 13, 2023
ESAs project management team

Mike Arnold
Senior Project Manager

Autumn Ward
Project Manager

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Deputy Project Manager
• More than 180 airports nationwide
• On-call to more than 80 airports
• Staff experience at all 30 large hub airports and 133 GA airports
• Management team has conducted more than 25 Part 150 Studies
• 500+ sets of contours for various noise-related projects over the past decade
What is a Part 150 Study?

- Assesses aircraft noise exposure on the area surrounding the airport
- Identifies measures to reduce aircraft noise (noise abatement) and limit exposure (noise mitigation)
- Outlines a program for implementation of noise abatement and mitigation measures
- Allows FAA approved measures to be eligible for federal funding
- Part 150 studies must adhere to 14 CFR Part 150 guidelines to be considered and accepted and approved by FAA
Overview

PHASE I: NOISE EXPOSURE MAPS (NEMs)

1. INVENTORY
   - Project Kickoff
   - Define Key Issues
   - Detailed Study Design
   - Technical Advisory Committee Meetings Public Workshop

2. AVIATION NOISE
   - NEM Submittal to FAA
   - NEM Acceptance by FAA
   - Technical Advisory Committee Meetings Public Workshop

3. NOISE EXPOSURE
   - Technical Advisory Committee Meetings Public Workshop

PHASE II: NOISE COMPATIBILITY PROGRAM (NCP)

4. NOISE ABATEMENT ALTERNATIVES
   - Technical Advisory Committee Meetings Public Workshop

5. LAND USE ALTERNATIVES
   - Technical Advisory Committee Meetings Public Workshop Public Hearing

6. PROGRAMMATIC ALTERNATIVES

7. NOISE COMPATIBILITY PROGRAM
   - NCP Submittal to FAA
   - FAA Approval
Purpose and Role of the Technical Review Committee (TRC)

• The TRC’s role is to support the SEA Part 150 Study:
  
  – City Responsibilities
    o Appoint a TRC representative/member to participate in TRC meetings; typically, a land use planner
    o Share data including land use, building codes, etc.
    o Review study assumptions and data/graphics
    o Provide and/or discuss land use recommendations in the NCP phase

• TRC members represent the interests of their organization and/or constituents and are expected to advise their organization/constituents of the TRC’s discussions and Study information (e.g., distribute information for public workshops)

• The Port will respect and consider the TRC’s technical input, but retains responsibility for, and decision-making authority on, the SEA Part 150 Study
Upcoming Community Engagement

• Develop a Part 150 Study website
• Series of Kick-off Public Workshops in Spring 2024
  – Open House format to encourage interactive dialogue
  – Meeting locations in communities around the Airport
  – Considering day and evening meeting times to encourage participation
• Create a project mailing list for future communications
• Targeted community outreach