Palm Beach County Park Airport (LNA) Part 150 Study

Palm Beach County Department of Airports

Scoping Meeting
June 13, 2019
Agenda

• Introductions / Opening Remarks
• Part 150 Overview
• Proposed Scope of Work
• Proposed Schedule/Milestones
• Discussion
Introductions / Opening Remarks

- PBCDOA opening remarks
- Introductions

- HMMH Study Team
- HMMH
  - Mary Ellen Eagan – Principal in Charge
  - Bob Mentzer – Project Manager
  - Rhea Gundry – Assistant Project Manager

- Quest
  - Paul Dobens
  - Beth Zoska
Part 150 Overview
Major Part 150 Components

• Two primary elements
  ⇒ Noise Exposure Map (NEM)
  ⇒ Noise Compatibility Program (NCP)

• Consultation required with
  ⇒ All local, state, and federal entities with control over land use within DNL 65+ dB
  ⇒ FAA regional officials, regular aeronautical users of the airport
  ⇒ All parties interested in review of and comment on the draft

• Opportunity must be offered for a final public hearing on the NCP

• Improved stakeholder relations is typically one of the most valuable study results
Part 150 Noise Exposure Map Overview

• FAA “accepts” NEM as compliant with Part 150 standards
• NEM must include detailed description of
  ⇒ Airport layout, aircraft operations, and other inputs to noise model
  ⇒ Aircraft noise exposure in terms of Day-Night Average Sound Level (DNL)
  ⇒ Land uses within DNL 65+ decibel (dB) contours
  ⇒ Noise / land use compatibility statistics within DNL 65+ dB contours
• NEM must address two calendar years
  ⇒ Year of submission
  ⇒ Forecast – at least five years from year of submission
  ⇒ FAA reviews forecasts for consistency with Terminal Area Forecast (TAF)
Teterboro (TEB) Example

- Major components include:
  - DNL 65, 70 and 75 dB contours
  - Land use categories
  - Historic properties, schools and places of worship identified
  - Jurisdictions responsible for land use/zoning controls
  - Noncompatible land uses within the DNL 65+ dB contours
Part 150 Noise Compatibility Program Overview

• NCP must address three major categories of proposed actions
  1. Noise abatement measures
     • Shrink noise contours or move them away from noncompatible uses
     • Aircraft operational, airport layout, flight track and runway use, etc.
  2. Land use (noise mitigation) measures
     • To address existing noncompatible uses
     • To prevent introduction of new noncompatible uses
  3. Programmatic measures
     • NCP implementation
     • Noise abatement procedures compliance program
     • NEM and NCP review and update processes

• FAA “accepts” NCP as compliant with Part 150 standards
• FAA reviews and approves (or disapproves) each recommended measure individually
  ⇨ Record of Approval (ROA)
Part 150 Process – Roles & Responsibilities

• The Airport
  ⇦ Directs study - it is PBCDOA’s project
  ⇦ Submits NEM and NCP documentation to FAA

• FAA
  ⇦ Provides input to, reviews and assists with analysis of noise abatement flight procedures
  ⇦ “Accepts” documentation and “approves” NCP measures
  ⇦ Responsible for implementation of noise abatement flight procedures
  ⇦ Assists in funding eligible measures in all three categories
    • (1) noise abatement measures, (2) compatible land use measures and (3) Program Implementation

• Local governments
  ⇦ Provide input to recommended land use measures
  ⇦ Implement and enforce land use measures to maintain and improve noise compatibility

• All stakeholders, including aviation interests, residents, and other interested parties
  ⇦ Monitor study process, provide input, assist with implementation
Part 150 Public Outreach

• **FAA requirements**
  - Coordinate with jurisdictions responsible for land use (zoning) within the NEM 65 DNL
  - Make the NEM available for public review and comment prior to submitting to the FAA
  - Provide an opportunity for a public hearing on the NCP prior to submitting to the FAA
Generalized Part 150 Study Process

**Develop Study Protocol**
- Finalize methodology
- Establish TAC
- Develop project schedule and milestones

**Verification**
- Existing Noise Exposure Maps & EA's
- Noise complaint data
- GIS and land use data
- Flight track and noise data from ANOMS
- FAA activity forecasts

**Develop NEMs**
- Develop noise contours for existing and 5-year forecast conditions
- Collect land use data and policies
- Noise impact evaluation for DNL 65-75 dB
- Prepare maps in accordance with 14 CFR Part 150

**Develop NCPs**
- Identify land use strategies
- Evaluate noise abatement measures
- Develop Noise Compatibility Plan
- Prepare documentation

**Meetings**
- Technical Advisory Committee
- Part 150 Information Sessions
- Public Meetings/Hearings
- Special Presentations
Proposed Scope of Work
Scope of Work

• **ELEMENT 1. Study Management**
• **ELEMENT 2. Design and Conduct a Public Consultation Program**
• **ELEMENT 3. Develop Operational, Noise, and Land Use Database**
  ⇒ Noise Exposure Maps developed
• **ELEMENT 4, 5, 6 & 7 Develop NCP Measures**
  ⇒ Noise Compatibility Program developed
• **ELEMENT 8. Prepare and Present the NEM and NCP Submittal**
Study Management

- Project team meetings
- Project Kickoff meeting
- Study Protocol
Public Outreach

• Two Advisory Committees
• Project website
• Project newsletters
• Public workshops/hearing
  → Informational workshop
  → Public comment period workshop and hearing
• Local meetings (if needed) – such as Jurisdiction or airport operators
Advisory Committees

• Two advisory committees
  ➡ Community Advisory Committee – CAC
  ➡ Technical Advisory Committee – TAC

• Six quarterly meetings
  ➡ Evening CAC meeting
  ➡ Afternoon TAC meeting

• Recommended meeting topics
  ➡ Introduction to Part 150
  ➡ Noise modeling input review
  ➡ Presentation of the draft NEM / Intro to NCP
  ➡ Brainstorm NCP measures
  ➡ Presentation of the recommended NCP measures
  ➡ Presentation of the draft NCP
Website
Advisory Committees

• Technical Advisory Committee (TAC)
  • Membership includes:
    ⇒ FAA (ADO and Tower)
    ⇒ Local jurisdictions (responsible for land use/zoning control)
    ⇒ Airport users
    ⇒ Community representatives (community groups/roundtables)
  • Responsibilities include:
    ⇒ Review study inputs, assumptions, analyses, documentation, etc.
    ⇒ Provide input, advice, and guidance related to NEM and NCP development

• Community Advisory Committee (CAC)
  • Membership includes:
    ⇒ Citizen Representatives from local community
    ⇒ Airport Staff
  • Responsibilities include:
    ⇒ Review study inputs, assumptions, analyses, documentation, etc.
    ⇒ Provide input, advice, and guidance related to NEM and NCP development
Project Newsletters

- Three newsletters:
  - Project initiation and goals
  - Draft noise exposure contours and announcement of the public comment period
  - Draft NCP measures, announcement of the public comment period and public hearing for the NCP
Public Workshops

- Two public workshops:
  - Present the NEM
  - Present the NCP

- Format typically involves only open house (no presentation):
  - Stations with knowledgeable staff to explain content
  - Boards at each station to present the information important to each workshop
  - Comment station and/or court reporter for oral comments
ELEMENT 3. Develop Operational, Noise, and Land Use Database

- Forecast
  - Review Forecast
  - Update Forecast if needed
- Noise monitoring
- Land Use
  - GIS data collection and onsite verification
- Noise Model data collection
Jet Ban Status

The issue of jet activity at the airport remains unresolved

- Ban originally adopted back in 1973
  - Formal complaint submitted to FAA
  - Two determinations from FAA in violation of grant assurances
  - Appealing the Order to the FAA administrator
- Jet ban remains in effect until the FAA issues formal order
- How will the forecast change if/when jet ban is lifted
  - Type of jet operations
  - Frequency
Noise Measurement Program
Develop NCP Measures

- ELEMENT 4. Identify, Analyze, and Evaluate Noise Abatement Alternatives
- ELEMENT 5. Identify, Analyze, and Evaluate Compatible Land Use Strategies
- ELEMENT 6. Identify, Analyze, and Evaluate Program Management Strategies
- ELEMENT 7. Select Preferred Noise Compatibility Program Measures
Existing LNA Voluntary Noise Abatement Guidelines

• Existing fixed wing and helicopter guidelines
• These will be thoroughly reviewed and incorporated into the NCP if necessary
• Preferred routes for each runway
Develop NEM and NCP Documentation

• ELEMENT 8. Prepare and Present NEM and NCP Submittals
  ➔ Develop Draft NEM and NCP
  ➔ Develop Final NEM and NCP
# Proposed Schedule

<table>
<thead>
<tr>
<th>Meeting / Activity</th>
<th>Anticipated Purpose</th>
<th>Anticipated Time Frame</th>
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<tbody>
<tr>
<td>Kick-Off Meeting with PBCDOA and the Part 150 Team</td>
<td>Define organizational and procedural matters and public outreach, review and refine scope and schedule details.</td>
<td>3rd Quarter 2019</td>
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<tr>
<td>1st Advisory Committee Meeting</td>
<td>Introduction to Part 150, discuss team roles, identify issues of concern, and to discuss areas for noise monitoring</td>
<td>4th Quarter 2019</td>
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<tr>
<td>2nd Advisory Committee Meeting</td>
<td>Noise modeling inputs, draft contours; and introduction to noise compatibility</td>
<td>1st Quarter 2020</td>
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<tr>
<td>3rd Advisory Committee Meeting</td>
<td>Presentation of the existing and five-year condition Noise Exposure Maps (NEMs) and brainstorming of NCP measures (followed by the NEM workshop)</td>
<td>2nd Quarter 2020</td>
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<tr>
<td>NEM Public Comment Period and Public Workshop</td>
<td>NEM thirty-day public comment period and Public Workshop</td>
<td>2nd Quarter 2020</td>
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<tr>
<td>4th Advisory Committee Meeting</td>
<td>Review of public comments obtained with the NEM and preliminary analyses of NCP measures</td>
<td>3rd Quarter 2020</td>
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<tr>
<td>NEM Document submission to FAA</td>
<td>PBCDOA submits the Final NEM document to FAA for acceptance.</td>
<td>4th Quarter 2020</td>
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<tr>
<td>5th Advisory Committee Meeting</td>
<td>Final review of NCP measures</td>
<td>4th Quarter 2020</td>
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<td>BCC Presentation</td>
<td>Presentation of study conclusions and recommendations.</td>
<td>1st Quarter 2021</td>
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<tr>
<td>6th Advisory Committee Meeting</td>
<td>Presentation of the NCP (followed by the NCP public workshop and hearing)</td>
<td>1st Quarter 2021</td>
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<tr>
<td>NCP Public Comment Period, Workshop and Hearing</td>
<td>NCP thirty-day public comment period. Public Workshop and Hearing</td>
<td>1st Quarter 2021</td>
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<tr>
<td>Submit Final NCP to FAA</td>
<td>PBCDOA submits final revised NCP for approval by FAA. Respond to FAA questions as needed.</td>
<td>3rd Quarter 2021</td>
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Questions