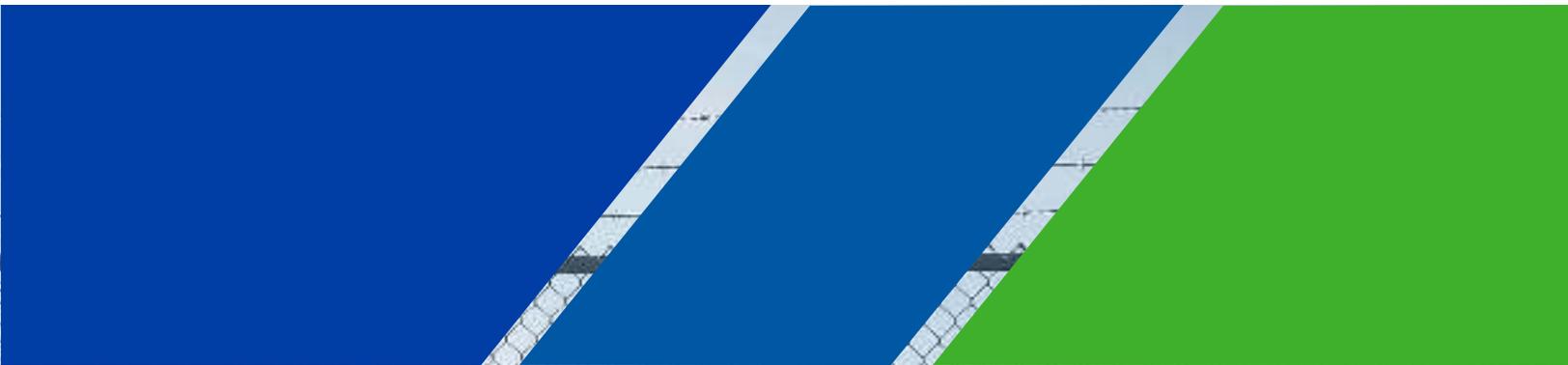




Appendix: D

Public Involvement / Public Comments





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APPENDICES

Appendix D-4: Project Advisory Committee Meetings



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Project Advisory Committee (PAC) Meeting # 1
Environmental Assessment (EA) For
Runway Extension and Terminal Expansion Program

January 13, 2021

Welcome

Housekeeping notes and ground rules:

- Meeting is intended to start and stop on time; meeting is scheduled for one (1) hour only (3pm – 4pm)
 - ≈ 20 minutes for Introductions and Presentation
 - ≈ 40 minutes for Q&A/Discussion
- To reduce background noise, please keep your mic muted until it is your time to participate
- Use the chat and/or “raise hand” features to participate
- Hold questions (as much as possible) until the end of the PPT or the appropriate time
- Be respectful, flexible and understanding
- Meeting may be recorded

Introductions

- Tweed New Haven Airport Authority
- PAC Committee Members
- EA Team
 - Avports
 - McFarland-Johnson, Inc
 - FHI Studio
 - HMMH
- FAA

Agenda

- Introductions
- Purpose of the PAC
- Overview of the EA Process and Requirements
- Project Overview
- Status Update
 - Noise
 - Traffic
 - Air Quality
 - Wetlands
- Questions / Open Discussion

Purpose of the PAC

- The PAC was established to solicit input on key issues to be considered in the EA.
- Provides early opportunity for community input and advice to HVN on the EA.
- Provide local knowledge of the community, the environment and the use of the project area.
- Members were selected based on knowledge of the community and resources present in the vicinity of the Airport.

Purpose of this Meeting

- Provide a venue for follow up discussion
 - Provide more detailed introduction and discussion of the EA process, the project, etc.
 - Solicit more in-depth input on key issues raised at November 18 Public Meeting
 - Identify other issues or concerns that have arisen since the November 18 Public meetings
 - Solicit input on mitigation strategies

Overview of EA Process and Requirements

- EA will be prepared in accordance with current regulation
 - Council on Environmental Quality (CEQ) regulations (40 C.F.R. Parts 1500-1508)
 - Federal Aviation Administration (FAA) Order 5050.4B: *National Environmental Policy Act Implementing Instructions for Airport Projects*
 - FAA Order 1050.1F: *Environmental Impacts Policies and Procedures* (February 2020)



- Supporting studies include Wetland Delineation, Noise Analysis, Air Emissions Analysis, Traffic Impact Analysis, and Flora and Survey

EA Outline

- Introduction
- Purpose and Need
- Alternatives
- Affected Environment
- Environmental Consequences
- Technical Appendices

Overview of EA Process and Requirements

EA - REQUIRED RESOURCES CATEGORIES:

- Air Quality
- Biological Resources (fish, wildlife, and plants)
- Climate
- Coastal Resources
- DOT Section 4(f)
- Farmlands
- Hazardous Materials, Solid Waste, and Pollution Prevention
- Historical, Architectural, Archeological and Cultural Resources
- Land Use
- Natural Resources and Energy Supply
- Noise and Noise Compatible Land Use
- Socio-economics
- Environmental Justice
- Children's Health and Safety Risks
- Light Emissions
- Visual Resources/Visual Character
- Wetlands
- Floodplains
- Surface Waters
- Groundwater
- Wild and Scenic Rivers
- Permits
- Mitigation

Project Overview

- Tweed New Haven Airport proposes multiple projects to continue advancing their Airport Master Plan (2021)
 - Runway 2-20 Extension
 - Terminal Area Development
 - New Terminal
 - New Apron and Taxiway Connection
 - New Airport Access and Parking

Project Overview



General Project Area Description

HVN Study Area:

- The Airport (437 acres) is in the City of New Haven and Town of East Haven, CT.
- Study area within HVN developed footprint entails approximately 55 acres.
- Runway extension is in New Heaven and East Haven. New Terminal is in East Haven.

Site Characteristics:

- Most of the Project Area has been subject to extensive ground disturbance from historical and previously permitted airfield construction and operations.
- Terminal Area Development is proposed within footprint of closed runway and taxiway field.
- Runway extension project area is generally mowed and previously graded
- New Airport Access is proposed along Proto Drive (industrial / commercial area).

Site Photos



Area for Runway 2 Extension



Terminal Area Dev. – North view



Terminal Area Development – Northeast view



Terminal Area Development – Southwest view



Terminal Area Dev. – South view

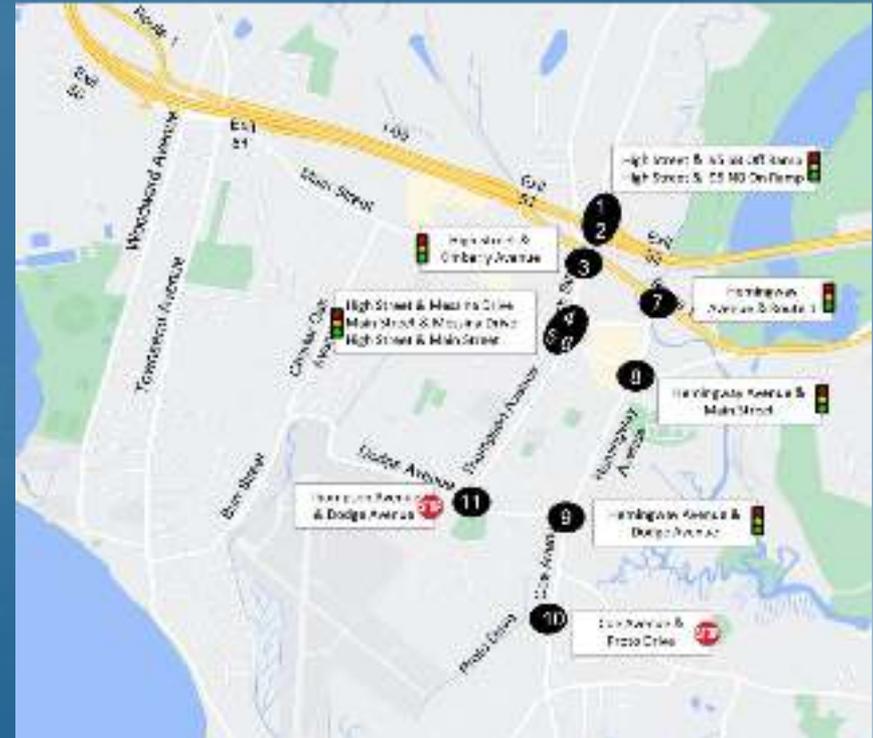
Noise Study Status

NOISE:

- Noise Study is in progress
 - Validation of operational inputs
- Using FAA's Aviation Environmental Design Tool (AEDT version 3d)
 - Noise modeling inputs
 - Airport layout and annual average meteorological data and terrain
 - Aircraft operations by day/night for
 - Existing Conditions
 - Forecast 2024 and 2029, with and without Proposed Action
 - Runway usage rates (north flow vs south flow)
 - Flight track geometry and usage rates
 - Noise model input in Day Night Average Sound Level (DNL)
 - Describes 24-hour exposure
 - Noise from 10 pm to 7 am is factored up by 10 dB

Traffic

- Analysis is in progress and results expected to be presented in PAC Meeting # 2
 - Collect, review, and synthesize existing data (complete)
 - Collect traffic count data at study area intersections (complete)
 - Determine base year traffic volumes
 - Estimate trip generation, distribution, and assignment
 - Evaluate potential impacts



1. High Street (CT Route 100) & I-95 SB Off Ramp (Exit 52)
2. High Street (CT Route 100) & I-95 NB On Ramp (Exit 52)
3. High Street (CT Route 100) & Kimberly Avenue (CT Route 735)
4. High Street (CT Route 100) and Messina Drive
5. Main Street & Messina Drive
6. High Street (CT Route 100) & Main Street (CT Route 100)
7. Hemmingway Avenue (CT Route 142) & Saltonstall Parkway (US Route 1)
8. Hemmingway Avenue (CT Route 142) & Main Street (CT Route 100)
9. Hemmingway Avenue (CT Route 142) & Dodge Avenue
10. Coe Avenue (CT Route 337) & Proto Drive
11. Thompson Avenue & Dodge Avenue

Air Quality Status

AIR EMISSIONS ANALYSIS AND CLIMATE:

- Air Quality (AQ) is a regional issue with a multitude of contributors.
- Purpose of AQ analysis - Compare AQ emissions for no action vs. action alternatives
- Evaluates emissions from:
 - Aircraft operations
 - Vehicle traffic (changes associated with the proposed action)
 - Construction
- Current EPA Attainment Status for New Haven: Non-Attainment Area (Ozone)
- Climate analysis focuses on greenhouse gases (GHGs), calculating:
 - Aircraft GHG emissions and fuel burn
 - Construction GHGs for each year
- Analysis is in progress and results expected to be presented in PAC Meeting # 2

Wetland Status

- Field wetland delineation/survey and report development is in progress
- Delineation is conducted in accordance with CT DEEP and USACE requirements (performed by Soil Scientists)
- Jurisdictional Determination will be requested
- Report to be provided to the PAC when complete
- Coordination with CT DEEP and USACE has been initiated

Comments / Open Discussion

- Discussion Items
 - Wetlands/Mitigation
 - Follow up from November 18 Meeting
 - New Items
- Next Steps
 - Prepare Draft EA
 - PAC Meeting # 2

Thank You!



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Project Advisory Committee (PAC) Meeting # 2
Environmental Assessment (EA) For
Runway Extension and Terminal Expansion Program

October 27, 2022



Welcome

Housekeeping notes and ground rules:

- This is a meeting of the Project Advisory Committee. The public is welcome to observe, but there is no public comment period.
- Meeting is intended to start and stop on time; meeting is scheduled for one (1) hour only (2pm – 3pm)
 - ≈ 20 minutes for Introductions and Presentation
 - ≈ 40 minutes for Q&A/Discussion
- To reduce background noise, please keep your mic muted
- Hold questions until the end of the PPT or the appropriate time
- Be respectful, flexible and understanding
- Meeting will be recorded



Agenda

- Introductions
- PAC Meeting #1 Summary
- NEPA Process Overview
- Progress Update
- Next Steps/What to Expect
- Questions / Open Discussion



Introductions

- Tweed New Haven Airport Authority
- PAC Committee Members
- EA Team
 - Avports
 - McFarland-Johnson, Inc
 - FHI Studio
 - HMMH
- FAA

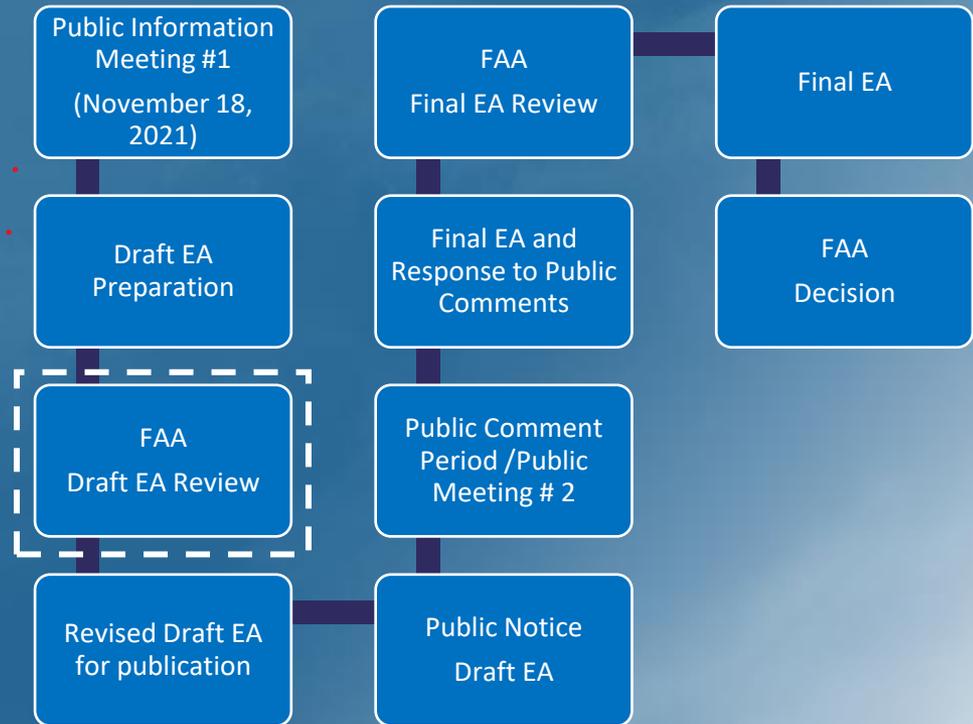
PAC Meeting #1 Summary

- Introductions
- Role of PAC
- Project Overview
- Status Reports (in progress work)
- Open Discussion
- Wetland Delineation Report Distributed to PAC in February



Requirements NEPA Process Overview

- Draft EA Preparation Process
 - Define Purpose and Need
 - Develop Alternatives
 - Existing Conditions
 - Evaluate Consequences
- FAA Reviews/Comments on Early Draft Chapters
- Address FAA Comments
- Compile Complete “Pre-Draft” EA for FAA Review
- FAA Reviews “Pre-Draft” EA
- FAA Comment Resolution
- Compile Draft EA for FAA review and approval for release to public
- Publish Draft EA for Public Review



EA Outline

- Introduction
- Purpose and Need
- Alternatives
- Affected Environment
- Environmental Consequences
- Summary of Public Involvement
- Technical Appendices



Purpose and Need

- Accommodate Existing and Expected Passenger Volumes
- Accommodate Existing and Expected Aircraft Fleet Mix (reduce weight penalties and range limitations)
- Provide Terminal that can Comfortably and Efficiently Accommodate Passenger Demand (Approximately 80,000 sf)
- Improve Adjacent Land Use Compatibility of the Terminal
 - Access
 - Noise
 - Congestion
- Improve Resiliency and Sustainability of the Passenger Terminal
- Avoid Land Acquisition



Existing Conditions (Summer 2022)

- Passenger Growth Faster than Expected
 - 14 Destinations
 - 84 Departures/Week
- Existing \approx 32,000 sf Terminal is Stressed
 - Long Queues (Ticketing, Security, Etc.)
 - Terminal Crowding
 - Chronic Parking Shortages
 - Pax Experience/Amenities Need Improvement



Alternatives

- Evaluation Criteria
 - Fulfills Purpose and Need
 - Land Use Compatibility
 - Flexibility to Accommodate Existing and Future Demand
 - Level of Service and Operational Efficiency
- “No Action” Alternative Carried Through to End
- No Requirement for a Specific # of Alternatives
 - Can be Limited to “Action” and “No Action”



Affected Environment

- General Site Description
- Air Quality
- Biological Resources (fish, wildlife, and plants)
- Climate
- Coastal Resources
- DOT Section 4(f) and 6(f)
- Farmlands
- Hazardous Materials, Solid Waste, and Pollution Prevention
- Historical, Architectural, Archeological and Cultural Resources
- Land Use
- Natural Resources and Energy Supply
- Noise and Noise Compatible Land Use
- Socio-economics
- Environmental Justice
- Children's Health and Safety Risks
- Traffic
- Water Resources (Wetlands, Floodplains, Surface Waters, Groundwater, Wild and Scenic Rivers)



Environmental Consequences

EA - REQUIRED RESOURCES CATEGORIES:

- Air Quality
- Biological Resources (fish, wildlife, and plants)
- Climate
- Coastal Resources
- DOT Section 4(f) and 6(f)
- Farmlands
- Hazardous Materials, Solid Waste, and Pollution Prevention
- Historical, Architectural, Archeological and Cultural Resources
- Land Use
- Natural Resources and Energy Supply
- Noise and Noise Compatible Land Use
- Socio-economics
- Environmental Justice
- Children's Health and Safety Risks
- Light Emissions
- Visual Resources/Visual Character
- Wetlands
- Floodplains
- Surface Waters
- Groundwater
- Wild and Scenic Rivers
- Permits
- Mitigation



2021 Wetland Delineation



- +/- 29.49 acres of wetlands delineated within HVN boundaries (substantial additional wetlands outside study area)
- Wetlands W01, W02 and W03 are outside project boundaries
- Wetlands within or adjacent project boundaries are:
 - W04: 1.32 ac
 - W05 (disturbed/infield): 2.45 ac
 - W06A (disturbed): 5.20 ac
 - W06B: 0.5 ac
 - W07 (invasive): 0.41 ac (avoided)

2021 Wetland Delineation



Technical Appendices

- Runway 2-20 Length Eligibility Analysis
- FAA Section 163 Determination
- Economic Impact Study of Aviation for HVN
- Terminal Programming Analysis
- Wetland Report
- Environmental Background Information
- Agencies Correspondence
- SHPO Project Review Package
- Noise and Air Quality Technical Report
- Traffic Study
- Public Comments (to date)



Critical Path Schedule Impacts

- “Hard Look” Requirement for Alternatives
- Success of HVN Dictated Updates and Revisions
- Extensive Coordination on Technical Matters
- Multiple Reviews
- Action Alternatives Refinement
- Runway Eligibility Analysis
- Iterations of Noise and Air Quality Analyses to Reflect Multiple Scenarios



What's Next

- FAA Review of Final Pre-Draft EA/FAA Comment Resolution
- FAA Approves Publication
- Public Notice
 - New Haven Register
 - East Haven Courier
 - LaVoz Hispana (Spanish Language Newspaper)
 - E-blast, social media, website, etc.
- 45 Day Public Comment Period
- Public Meeting
- Address Comments/Draft Final EA
- FAA Decision

Thank You!





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