AIRPORT NOISE SUBCOMMITTEE

October 3rd, 2025

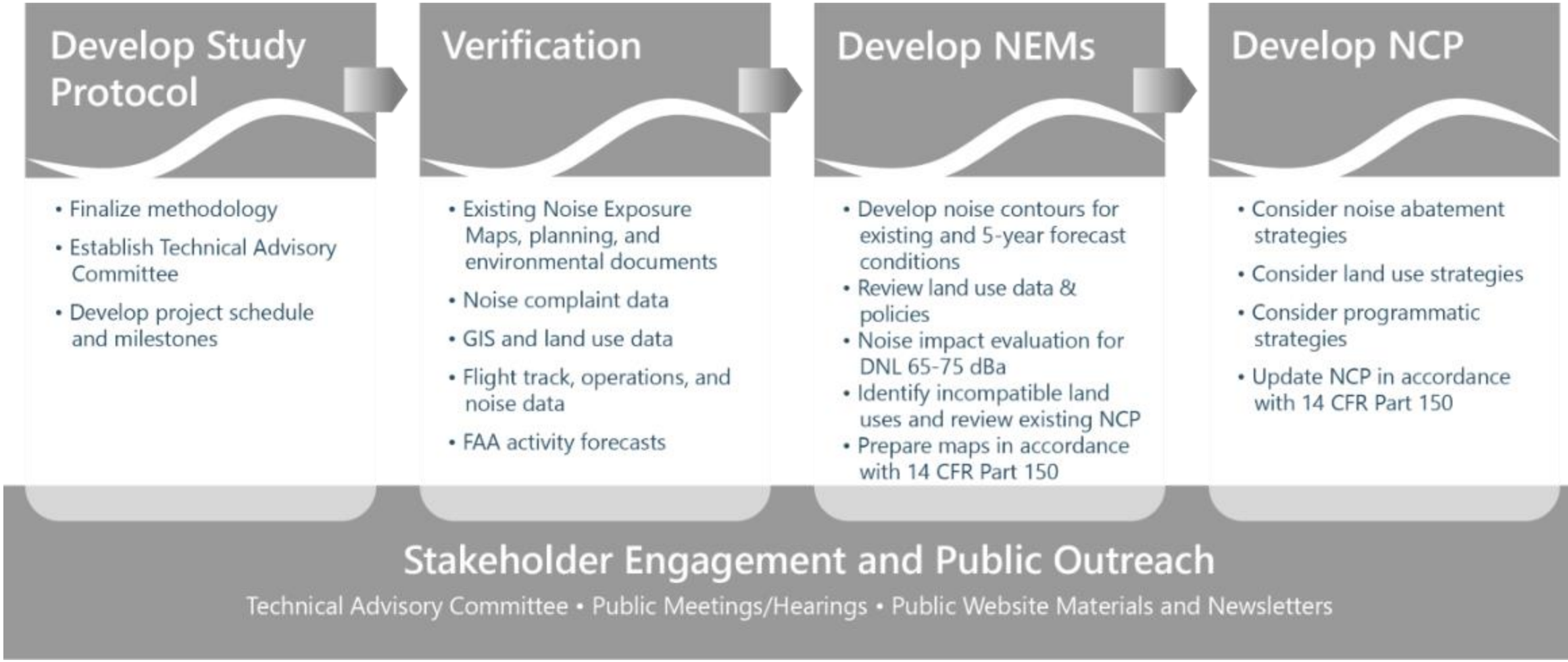
Agenda

- Introductions
- Part 150 Overview
  - NEM Overview
  - NCP Overview
- End Goal of the Part 150 and NCP process
- Background and previous timeline
- Why the withdrawal and where will we go from here?
- Draft schedule/timeline
- Public communication

Introductions

- Dane County Regional Airport Team
  - Airport (MSN)
    - Mark Papko – Executive Director
    - Ryan Falch – Director of Planning & Development
- Project Team
  - HMMH
    - Gene Reindel – Principal-in-Charge
    - Julia Nagy – Project Manager
  - Mead & Hunt
    - Kate Andrus – Project Lead
    - Chris Reis – Local Client Lead
- Airport Noise Subcommittee Members:
  - Jason Ilstrup, Airport Commission Chair
  - Supervisor Rylander
  - Alder Matthews
  - Angela Thomas, Airport Commission Vice Chair

Part 150 Overview: Study Process

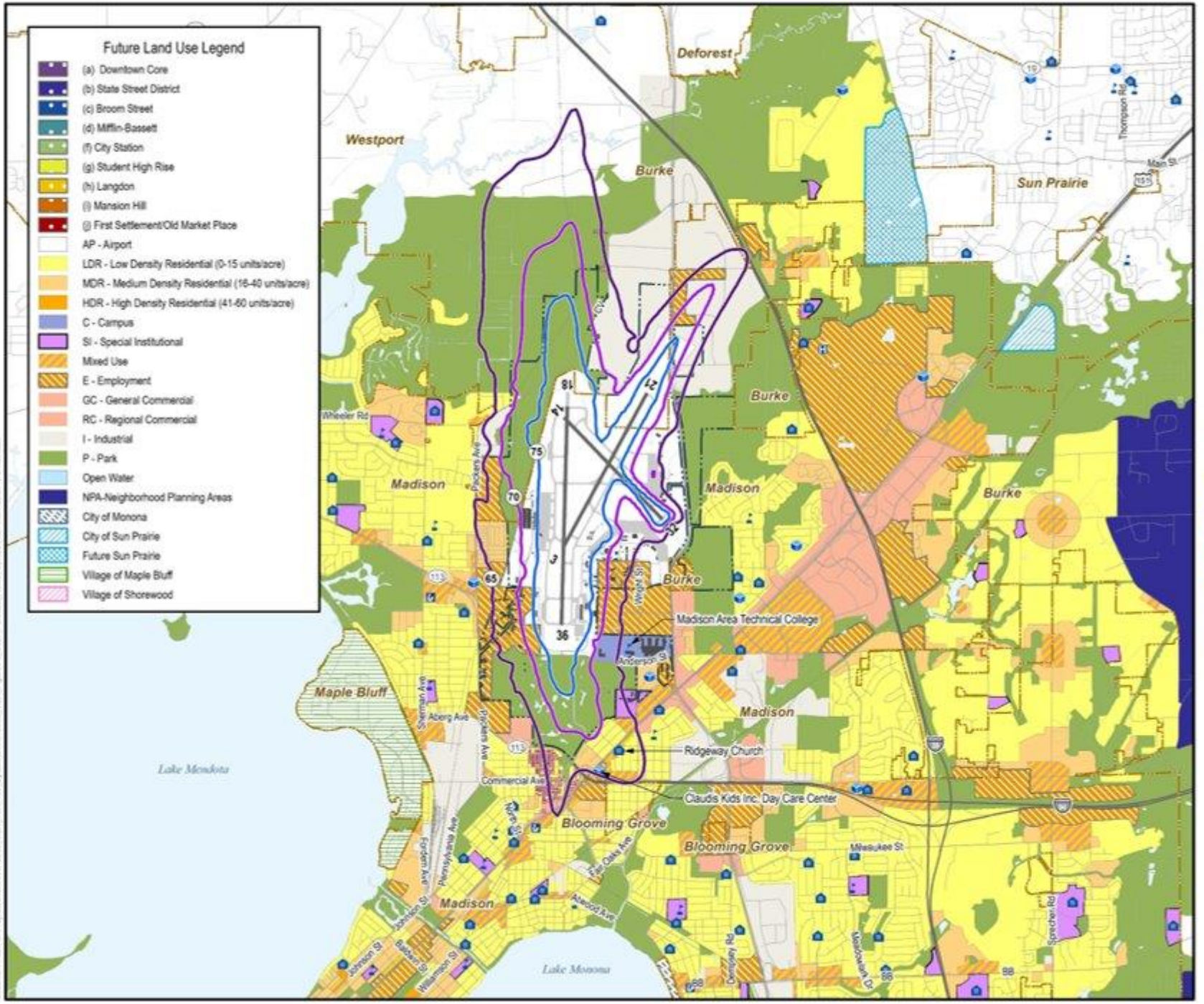


Information Refresh – Part 150 Study Overview

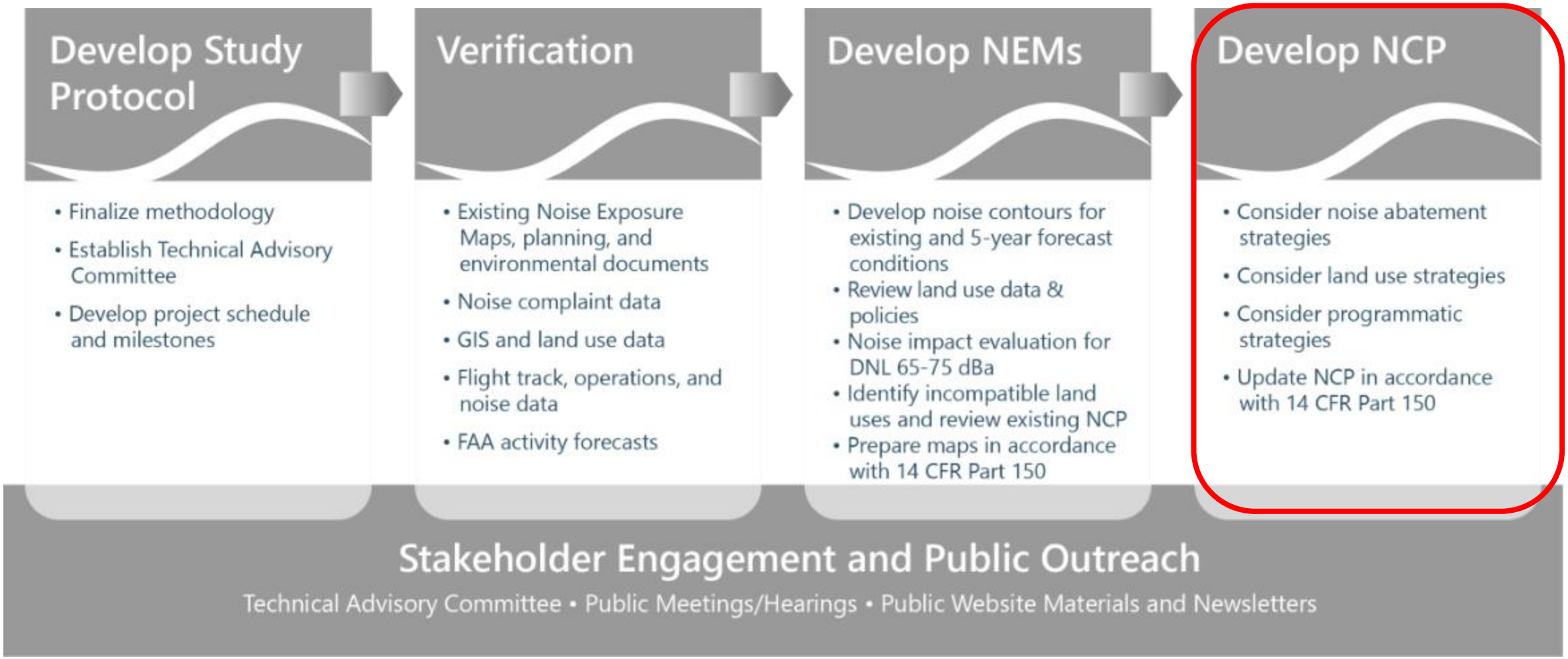
- Voluntary FAA-defined process for airport noise studies
  - Provides access to FAA funding for some approved measures
  - Well-established, understood, accepted, and comprehensive process
- Two primary elements
  - Noise Exposure Map (NEM)
  - Noise Compatibility Program (NCP)
- Consultation required 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

Information Refresh – NEM Overview

- 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 (2022)
  - Forecast (at least five years from year of submission; 2027)
- FAA reviews forecasts for consistency with Terminal Area Forecast (TAF)


Future Land Use Legend
(a) Downtown Core
(b) State Street District
(c) Broom Street
(d) Mifflin-Bassett
(f) City Station
(g) Student High Rise
(h) Langdon
(i) Mansion Hill
(j) First Settlement/Old Market Place
AP - Airport
LDR - Low Density Residential (0-15 units/acre)
MDR - Medium Density Residential (16-40 units/acre)
HDR - High Density Residential (41-60 units/acre)
C - Campus
SI - Special Institutional
Mixed Use
E - Employment
GC - General Commercial
RC - Regional Commercial
I - Industrial
P - Park
Open Water
NPA-Neighborhood Planning Areas
City of Monona
City of Sun Prairie
Future Sun Prairie
Village of Maple Bluff
Village of Shorewood
Deforest
Westport
Burke
Sun Prairie
Madison
Maple Bluff
Blooming Grove
Lake Mendota
Lake Monona
Madison Area Technical College
Ridgeway Church
Claudis Kids Inc. Day Care Center
Wheeler Rd
Packers Ave
Aberg Ave
Commercial Ave
Thompson Rd
Main St
Anderson St
Wright St
Johnson St
Milwaukee St
Sprecher Rd
Dairyland Dr
Pennsylvania Ave
Forest Ave
Rimrock Rd
Acewood Blvd
Fair Oaks Ave
Shermer Ave
Dempsey Rd
Meadowood Dr
Dane County Regional Airport
Madison, Wisconsin
Figure 6-2:
Forecast Condition (2027)
FAA-accepted Noise Exposure Map
2027 Forecast Condition DNL Contour (65 dB)
2027 Forecast Condition DNL Contour (70 dB)
2027 Forecast Condition DNL Contour (75 dB)
Airport Boundary
Runway / Taxiway
Major / Minor Road
Municipal Boundary
Avigation Easement
Building
Railroad
Single Family Residential
Multi-Family Residential
Mobile Home
Transient Lodging
Mixed Use
Public Use 1 (Noncompatible)
Public Use 2 (Compatible)
Commercial Use
Manufacturing and Production
Agriculture
Open Land
Open Space / Recreation
Woodlands
Under Construction
Vacant / Undefined
Lake / Pond
School
Place of Worship
Day Care
Hospital
Library
Source: County of Dane, Wisconsin; City of Madison, Wisconsin; Wisconsin Department of Natural Resources; ESRI, Inc.,
0
2,000
4,000 Feet

Part 150 Overview: Study Process



Information Refresh – NCP Overview

Objectives of proposed measures:

- **Reduce** exposure over incompatible uses
- **Limit** growth in exposure over incompatible uses
- **Mitigate** exposure where it cannot be reduced to compatible levels
- **Prevent** introduction of new incompatible uses

Land Use Strategies

- Land acquisition
- Sound insulation
- Avigation easements
- Prevention
- Land use controls
- Real estate disclosures

Noise Abatement Strategies

- Flight tracks
- Preferential runway use
- Arrival/departure procedures
- Airport layout modifications
- Use restrictions

Programmatic Strategies

- Implementation
- Promotion
- Monitoring
- Reporting
- NEM updating
- NCP revision

Analysis and Selection Process

1) Evaluate effectiveness in addressing objectives
2) Evaluate feasibility (economic, operational, safety, etc.)
3) Select most effective "package" of measures
4) Identify implementation responsibilities, schedule, etc.
5) If not recommended, document reason(s)

What is the end goal?

- A widely accepted NCP approved by all, making mitigation measures open for potential funding opportunities:
  - Reduce existing and future incompatible land uses identified in the 2027 NEM
  - Obtain stakeholder consensus on NCP measures and implementation processes
  - Obtain funding for NCP measures that benefit local communities

Background and Previous Timeline

- Dane County, as the owner and operator of MSN, submitted the NEM update in December 2022, which contained the official NEM representing existing conditions (2022) and forecast conditions (2027).
- The FAA accepted the 2022 NEM update as meeting Part 150 requirements in a letter dated December 21, 2023.
- The County conducted a two-year effort including stakeholder and public outreach and subsequently submitted the MSN NCP update to the FAA in November 2024
- The NCP contained several noise abatement, land use and programmatic recommendations to address the incompatible land uses identified in the NEM update

Why the Withdrawal?

- Withdrew the existing NCP due to several factors:
  - The previous NCP had not moved to publication in the Federal Register.
  - Alignment with Airport Strategic Documents:
    - Airport Master Plan, Airport Layout Plan
    - Recommendations for Runway configuration changes had not been included in old strategic documents.
    - Justification for funding is part of the Airport Master Planning process
  - Alignment with Stakeholders:
    - City of Madison
    - Dane County
    - WI Air National Guard
    - FAA
  - Alignment with the General Public and Surrounding Communities.

What will be different in the amended NCP?

- Key themes of the NCP Amendment:
  - Categorizing alternatives into short, medium, and long-term opportunities
    - Airport Master Plan -1993
    - Airport Layout Plan – 2018
    - NCP - 2024
  - Evaluation of entering the Residential Sound Insulation Program and Avigation Easements
  - Evaluation of offering a clean slate of Avigation Easements.
  - Reengaging Noise TAC (Technical Advisory Committee) for alignment
  - Opportunities for public to comment/recommend alternatives in the amended NCP.

Draft Schedule

Date	Action
September 10th, 2025	Project kickoff and meeting with FAA
October 2nd, 2025	TAC Meeting #1
October 3rd, 2025	Airport Noise Subcommittee Meeting
Week of October 20th, 2025	TAC Meeting #2
October 24th, 2025	Draft Revisions to FAA
October 24th, 2025	Begin Public Review Period
Tentative Week of Nov 3rd or 10th	Three Public Meetings (Weekday, Weeknight, Weekend)
Week of Nov 17th,2025	Airport Noise Subcommittee Meeting and Public Hearing
November 24th, 2025	Close of Public Review Period
November 26th, 2025	Submit Amended NCP to FAA
12-2025 through 06-2026	Begin 180 Day Federal Register Notice Timeline
July – September 2026	Receive final approval of NCP (Eligible for grant funding)

*A finalized schedule will be shared after today's meeting/feedback

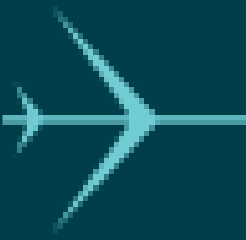
How will we communicate to get public feedback?

- Put together memo/press release summarizing this presentation/feedback
- Send notice to the same individuals that participated before
- Online and social campaign
  - Part 150 Website: https://www.msnairport.com/about/ecomentality/Part-150-Study
  - Email distribution list
  - Social Media
  - Emailed comments: Part150study@msnairport.com
- Dates and times will be flexible (week day, week night, weekend)

MSN

Questions?

Mark Papko, Executive Director

Dane County Regional Airport

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