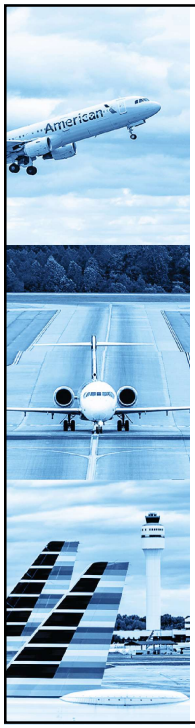
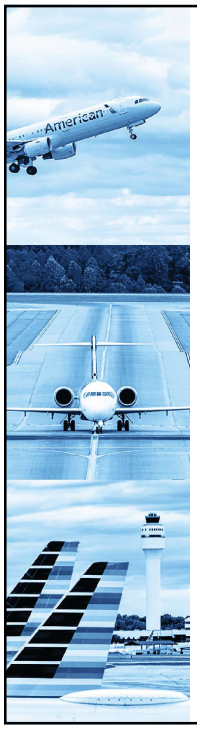
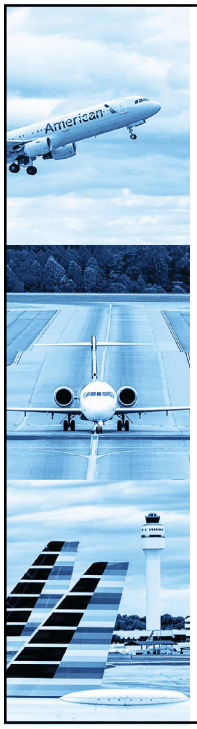


Agenda

- Part 150 Overview
- Timeline
- Community Involvement
- Draft Recommended Noise Compatibility Program (NCP)
- Next steps



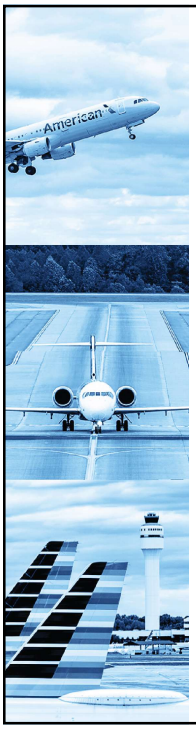
Part 150 Overview



Part 150 Overview

What is a Part 150 Study?

- Part 150 Federal Aviation Regulation: Guides and controls planning for aviation noise compatibility on and around airports
- Airports prepare Part 150 studies in accordance with Federal Aviation Administration (FAA)
- Purpose of a Part 150 study is to develop a balanced and cost-effective plan for reducing current noise impacts from the Airport's operations, where practical, and to limit additional impacts in the future, only within the Noise Exposure Map (NEM) Contours



Part 150 Overview

What is Included in a Part 150 Study?

Noise Exposure Maps

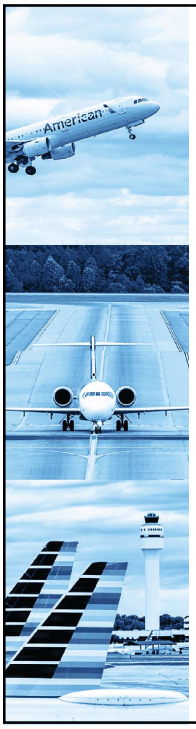
- **Description of noise levels in the existing and future (+5 years) conditions**

Noise Compatibility Program

- **Recommendations for reducing, minimizing, and/or mitigation of aircraft noise and land use conflicts**
  - ✓Noise Abatement Measures: how and where aircraft fly
  - ✓Land Use Compatibility Measures: programs to help the airport promote compatible land use such zoning, building codes and overlay districts
  - ✓Land Use Mitigation Measures: remedial programs like sound insulation and voluntary home buyouts
- Implementation steps, timing, responsibilities, and funding

Public Involvement

- Project website and social media
- Public meetings, study process, and draft findings
- Comment collection



Part 150 Overview

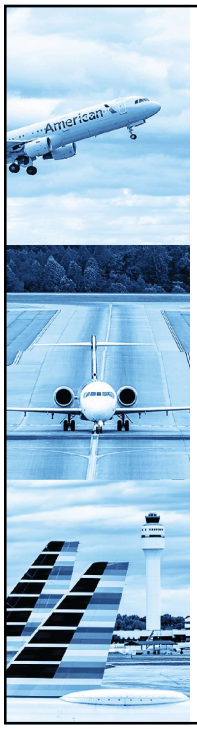
Previous Part 150 Studies Completed at CLT

1987
Part 150 Noise Compatibility Study

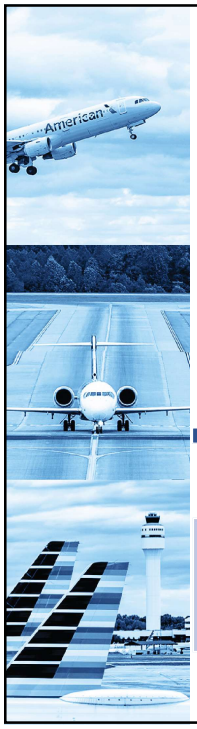
1996
Part 150 Study Update
- Prepared NEMs for 1996 and 2001 conditions
- 2001 NEM included construction of the third parallel runway

2015
NEM Update
- Prepared NEMs for 2015 and 2020 conditions

CLT has invested more than $120 million in local community projects directly related to reducing or mitigating airport noise issues through a **Residential Sound Insulation Program** and **Residential Acquisition Program**



Project Timeline



Project Timeline To Date

- Dec 2 Council Dinner Briefing
- Dec 9 Council vote to approval submittal of the final document to FAA
- Submit Final Part 150 to FAA
- Initiate FAA Review & Approval

- Release of Draft Part 150 Study Update (Draft NEMs and Draft Recommended NCP)
- Continued TAC and Public Meetings
- Conduct Public Hearings

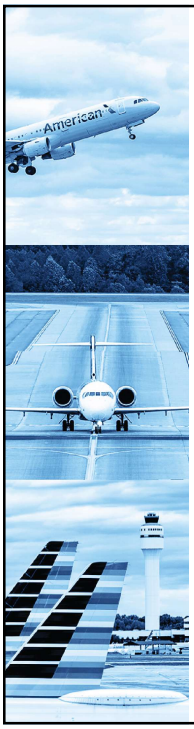
Project Kickoff

JAN 2022 | **MAY 2022** | **2022–2023** | **AUG - OCT 2024** | **OCT - NOV 2024** | **DEC 2024**

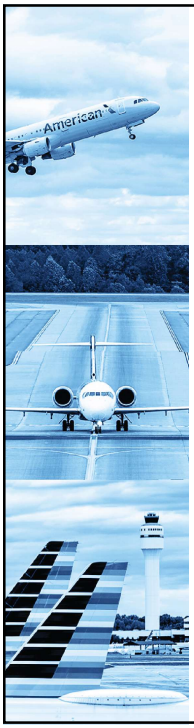
City Council approved contract to conduct Part 150 Study Update

- Perform Technical Work
- Conduct Public Outreach
- Host Technical Advisory Committee (TAC) and Public Meetings
- Update NEMs
- Review and Update NCP

- Respond to Comments, Develop Final Part 150
- City Council member briefings

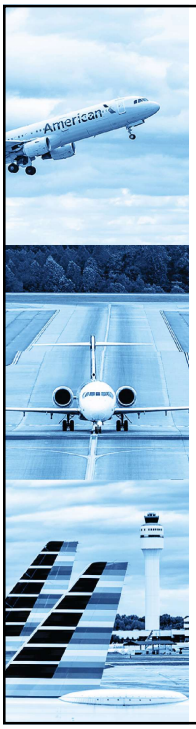


Community Involvement



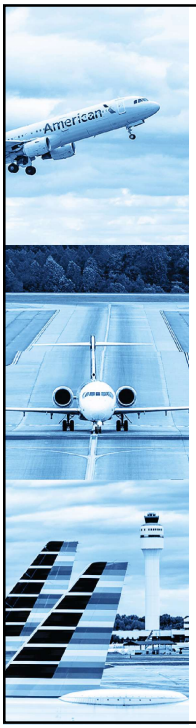
Community Involvement

- **Technical Advisory Committee** – Group of stakeholders affected by, or having oversight responsibilities for, issues covered by the Part 150 Study Update participated in routine meetings
  - Airport officials
  - Aircraft operators/airlines
  - Government Officials / Land Use Planners
  - Airport Community Roundtable (ACR)
  - FAA Air Traffic Controllers
- **Public Information Meetings** - Informational meetings to discuss and gather comments on potential aviation noise, land use, and other mitigation measures
- **Public Hearings** - Receive comments (either oral or written) from the public on the Draft Part 150 Study Update document
- **Project Website / Social Media / Virtual Meetings** – expanded community outreach and solicitation of feedback through website and meetings



Community Involvement

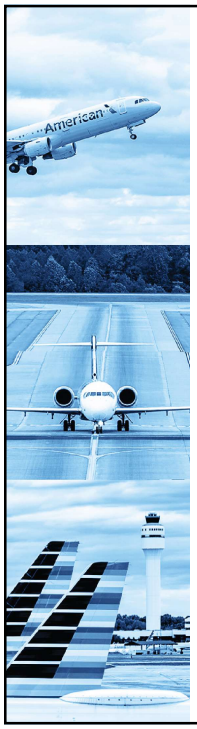
- **Summer/Fall 2022: Project Initiation**
  - Media Briefing, Local Community Group Briefing, TAC Meeting #1
- **March 2023: Review of Part 150 Process and Preliminary NEMs**
  - Public Information Meeting #1
  - TAC Meeting #2
- **November 2023: Preliminary Findings for NCP**
  - Public Information Meeting #2
  - TAC Meeting #3
- **September 2024: Draft NEMs and Draft Recommended NCP**
  - Public Information Meeting #3 and Public Hearings
  - TAC Meeting #4
- **Summer 2022 – Fall 2024: Ongoing print and digital outreach**
  - Newspaper advertisements (English and Spanish languages)
  - Website, social media, newsletter, and e-mail education and feedback solicitation



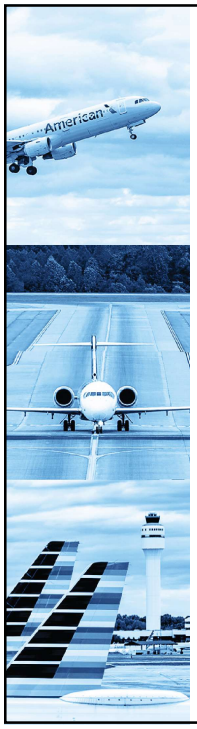
Community Involvement

Public Outreach Efforts

- Public Information Meetings provided the public with ample opportunity to participate in one-on-one discussions with Airport staff and the Airport consultants
- Notifications of each meeting were published at least 30 days in advance:
  - ✓Print media display ads and legal ads in the *Charlotte Observer*
  - ✓Print media Spanish-language display ads in the *Que Pasa Mi Gente* and *La Noticia* publications
  - ✓Social media campaign
  - ✓Project website
  - ✓Direct emails to local community groups
  - ✓Direct emails to individuals who requested additional information about the Study
- Additional Airport-led efforts (*Connections* and *Neighborhood Update* publications, etc.)



Key Recommendations



Draft Recommended 2024 NCP

Overarching Themes: Safety, Efficiency, Sustainability, and Geographically Balanced Distribution

Noise Abatement Measures

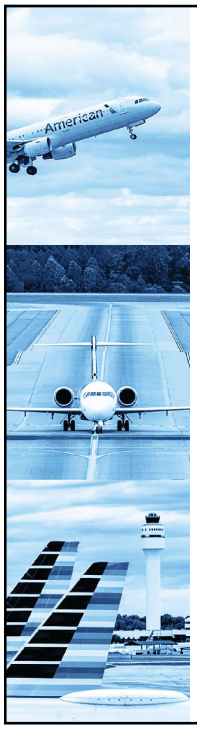
Minimizing noise at the source
i.e., flight procedures, runway use, etc.

Land Use Compatibility Measures

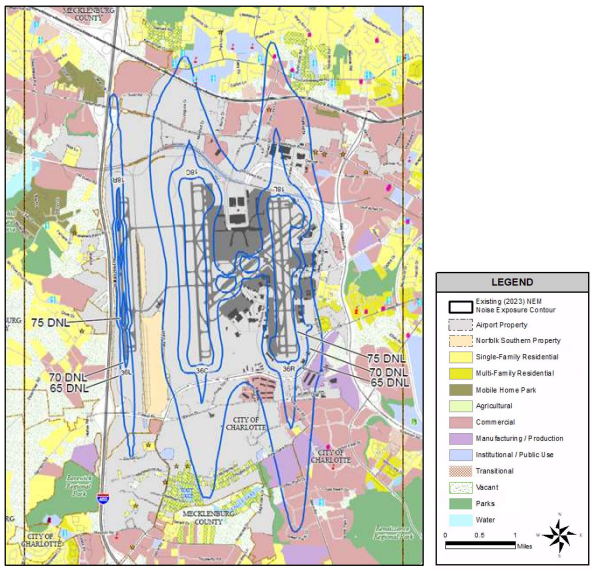
Preventing future land use incompatibilities
i.e., planning, zoning, etc.

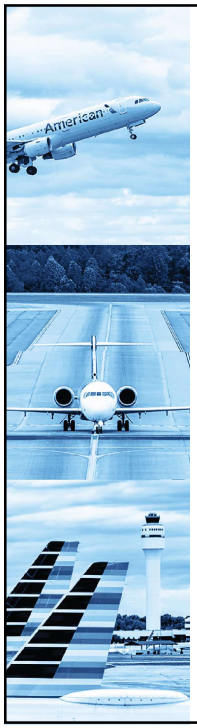
Land Use Mitigation Measures

Correcting existing land use incompatibilities
i.e., sound insulation, etc.



Existing (2023) NEM Noise Exposure Contour





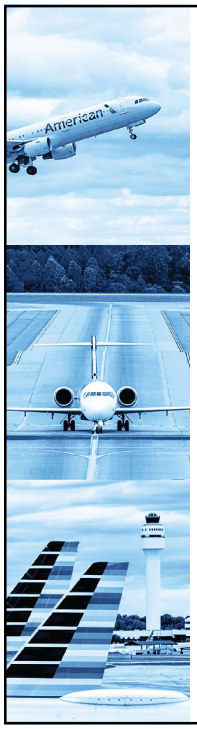
Draft Recommended 2024 NCP
Noise Abatement Measures:

UPDATED

- Airport will continue to monitor late night operations
- Operators will continue to follow the Airport's run-up policy
- Airport will add new run-up locations within the airfield and encourage procedures to reduce sideline noise
- Departures will continue to use the existing concentrated flight corridors

NEW

- Airport will reassess its run-up policy when airfield projects are completed (i.e. new runway, taxiway improvements, etc)
- Airport will implement new nighttime runway use to shift noise from residential areas to industrial and transportation land uses, pending environmental review

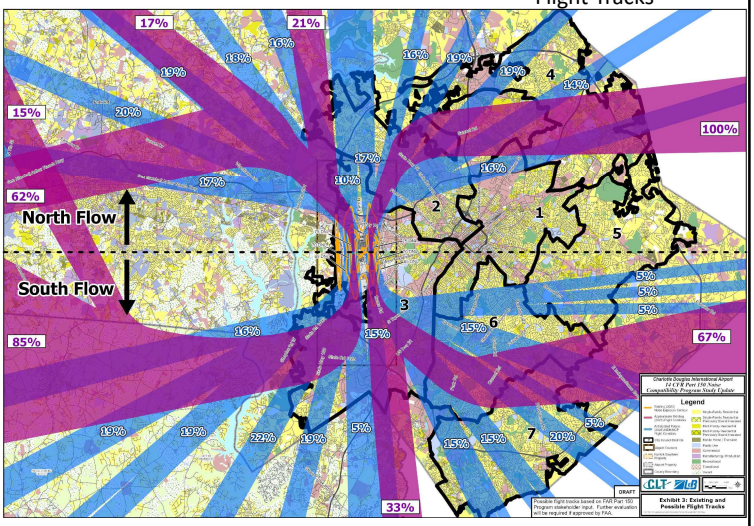


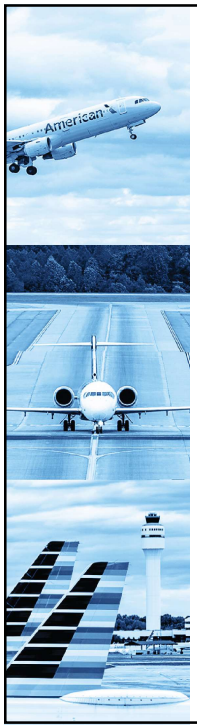
Draft Recommended 2024 NCP
Noise Abatement Measures:

Existing Flight Tracks
Potential Future Flight Tracks*

NEW

- Plan will implement new diverging headings for departures to disperse aircraft over a wider area pending environmental review and FAA development of flight procedures
  - ❖ Potential Future Flight Tracks are simulation-generated, not intended to be used simultaneously (from 8 to up to 27)

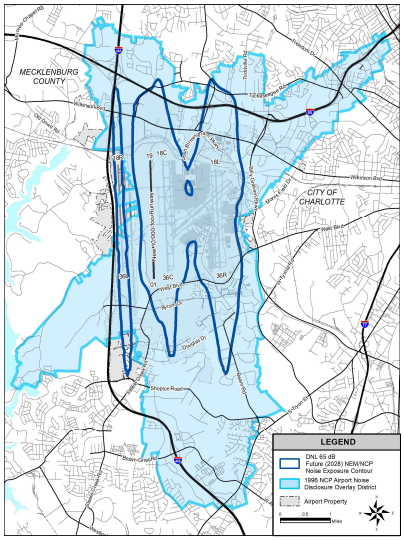


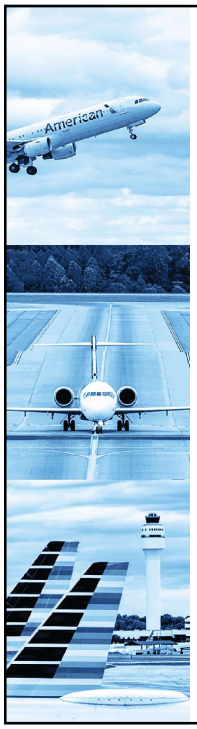


Draft Recommended 2024 NCP
Land Use Compatibility Measures:

UPDATED

- Airport to continue efforts to promote compatible land use planning and zoning within the Airport Noise Disclosure Overlay (ANDO)
- Airport to continue efforts to keep the existing ANDO boundary in place
- Airport to continue encouraging City's efforts to notify new homeowners within the ANDO that their property may experience noise annoyances

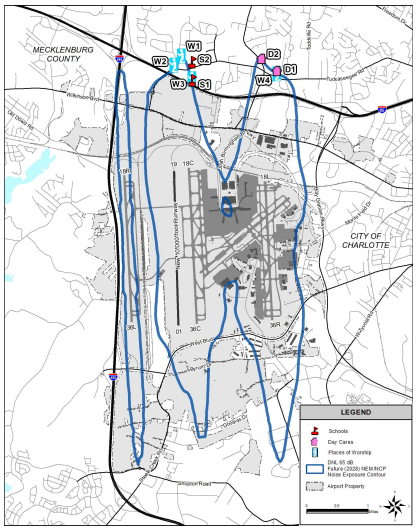


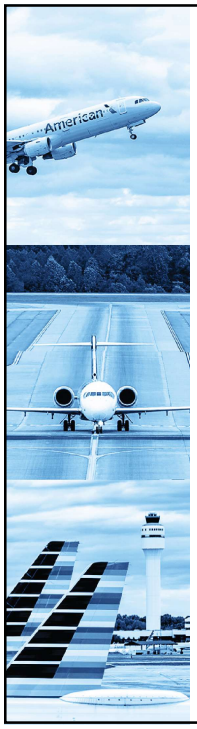


Draft Recommended NCP
Land Use Mitigation Measures:

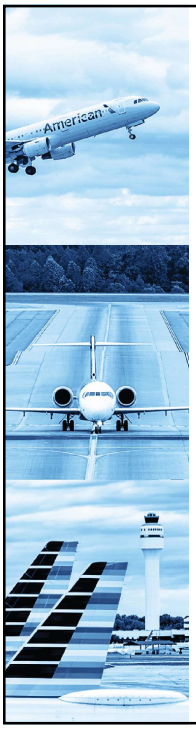
UPDATED

- Airport to continue its public information program
- Airport to continue its sound insulation efforts for noise sensitive public buildings
  - Modification to include properties within the Future (2028) NEM/NCP Noise Exposure Contour (previously the ANDO boundary)
- Airport to continue its voluntary acquisition program for residences where sound insulation is not feasible in new sound insulation boundary
- Airport to continue its voluntary acquisition program for mobile homes in new sound insulation boundary



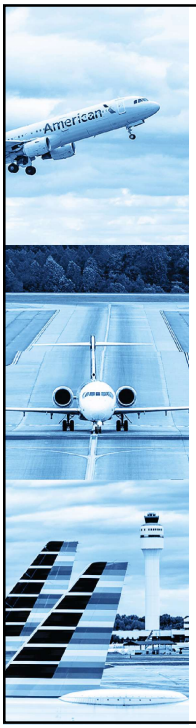


Next Steps & Implementation Timeline



Next Steps

- *Dec 9: City Council will vote on submitting the Part 150 Noise Compatibility Study to the FAA*
- The FAA will review the Final Part 150 and:
  - Accept or reject the updated NEMs
  - Issue a Record of Approval (ROA) accepting or rejecting each measure in the updated NCP
- If approved by FAA, measures in the Part 150 Study Update may be eligible for federal funding
- Anticipated 2+ year review, including environmental analysis and public engagement process before implementation



Potential Implementation Timeline

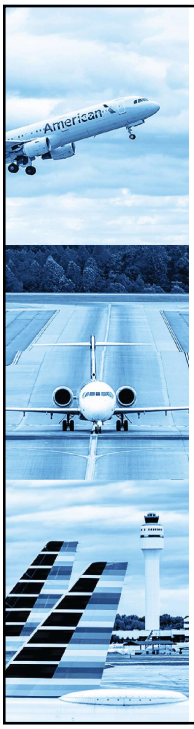
December 2024
- Final Part 150 submitted to FAA for review & approval

March 2025
- FAA accepts NEMs and starts 180-day review of NCP

September 2025
- FAA issues Record of Approval
- **Measures not approved** will not be implemented
- **Measures approved that do not require NEPA**, CLT may begin implementation immediately
- **Measures approved that require NEPA (e.g. flight procedures):**
  - NEPA review (~12 months)
  - FAA flight procedure development (~18 months)
  - FAA ATCT training (~3 months)

Early 2027
- Projected implementation of new flight procedures by FAA that are not dependent on the opening of the new fourth parallel runway

September 2027
- **Opening of the new fourth parallel runway**
- Projected implementation of measures by FAA that are dependent on the opening of the new fourth parallel runway



For more information, visit the project website

CLTpart150.com