



Lantana Airport Part 150 Study

Palm Beach County Department of Airports

Joint TAC/CAC Meeting

Location: Virtual

December 8, 2021



Agenda

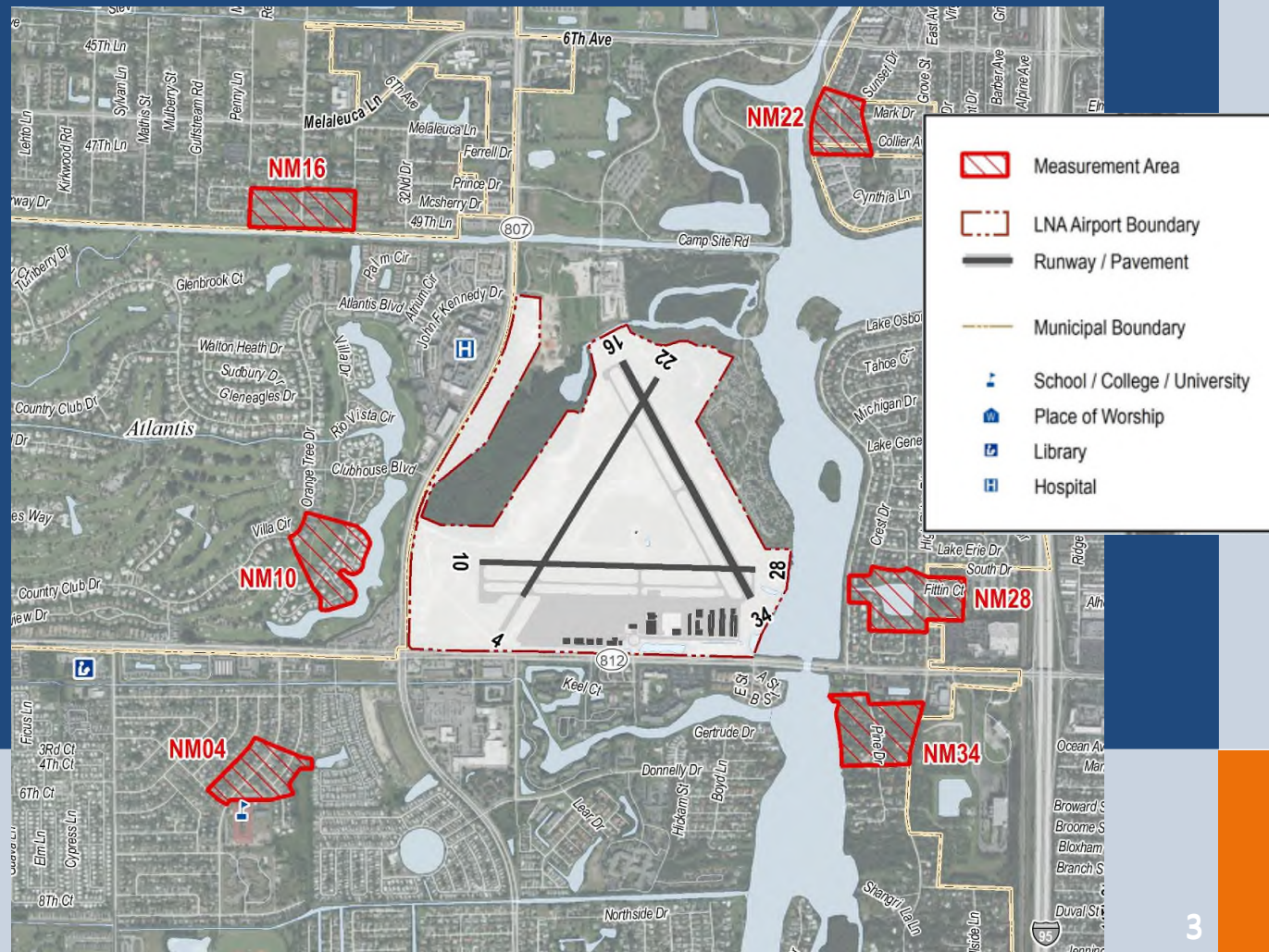
- Introductions
- Part 150 Status Update
 - Noise Measurements
 - Forecast
 - Litigation Regarding LNA Jet Restriction
- Next Steps
- Discussion



Noise Measurements

- Six sites selected by study team
- One site near each runway end within the general noise measurement area

Note: Per FAA, measured noise levels are NOT used to calibrate the model used to generate the contours



Noise Measurements

Period 1: March 13-17, 2020

- Intended March 13-23, but cut short due to COVID-19 pandemic
- Three full days of measurements

Period 2: July 19-26, 2021

- Six full days of measurements

Measurements of individual aircraft noise events were correlated with radar data

Hourly noise levels (Leq) and daily (DNL) values were calculated for each of the locations

Note: Per FAA, measured noise levels are NOT used to calibrate the model used to generate the contours



Noise Measurements

Period 1: March 13-17, 2020

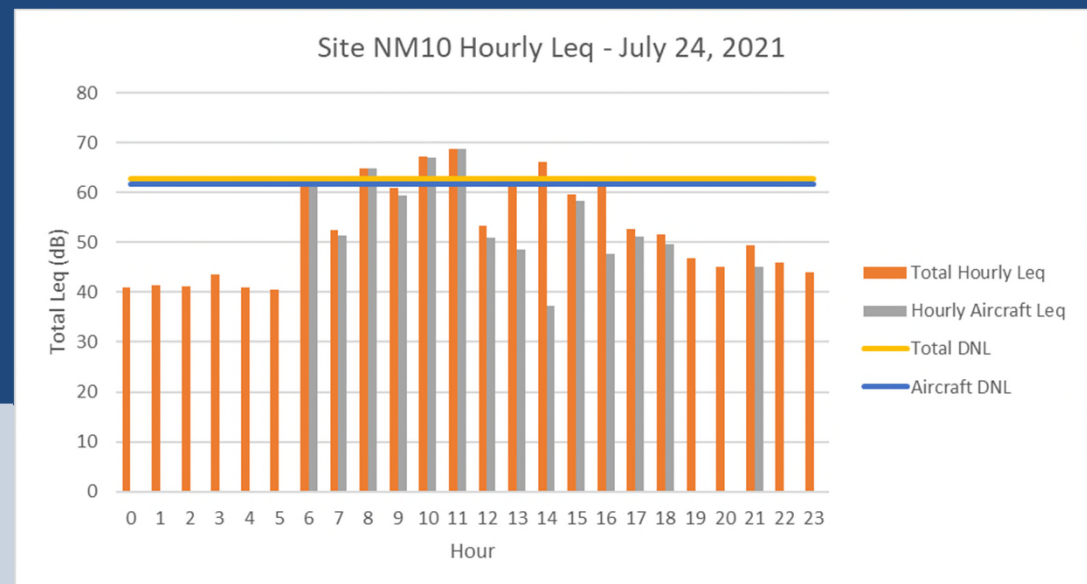
- High use of Runway 10 during this period

Period 2: July 19-26, 2021

- Use of Runway 10 and 16 during this period

Site Number	Period 1 - Aircraft Only DNL	Period 2 - Aircraft Only DNL
NM04	43	43
NM10	53	58
NM16	47	44
NM22	46	50
NM28	59	52
NM34	47	52

Note: Per FAA, measured noise levels are NOT used to calibrate the model used to generate the contours



Part 150 Status Update - Forecast

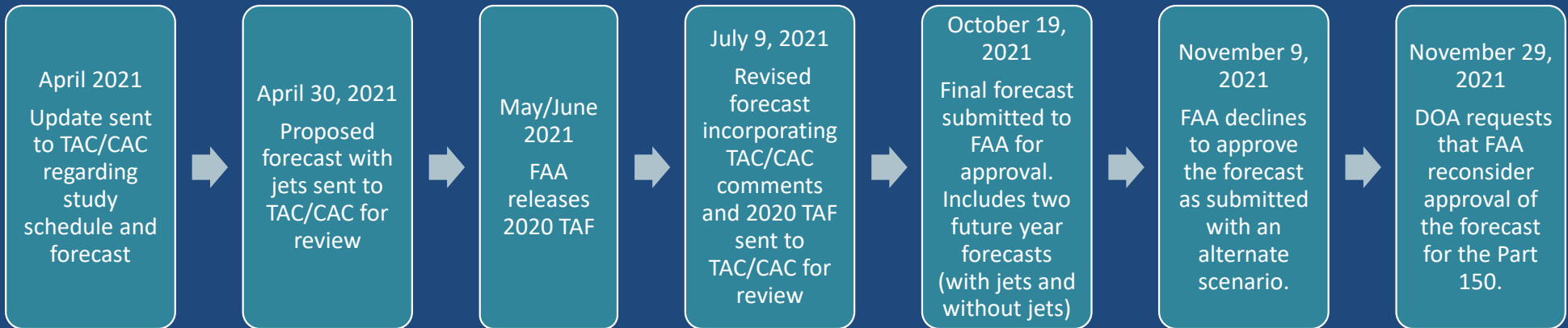


Table 3 - LNA Proposed Part 150 Forecast Operations

Source: HMMH 2021

Operational Category	2022 NEM (Existing Activity and Fleet Mix)	2027 NEM (Forecast Activity, No Jets in Fleet Mix)	2027 NEM (Forecast Activity, With Jets in Fleet Mix)
Local	83,961	91,480	91,480
Itinerant Air Taxi	2,334	2,543	2,543
Itinerant GA	33,842	36,872	38,332
<i>Jets</i>	4	0	1,460
<i>Non-jets</i>	33,838	36,872	36,872
Itinerant Military	50	50	50
Total Operations	120,187	130,945	132,405



Litigation Update

Final Agency Decision

Petition for Judicial Review

Impact to Part 150 Study



Litigation Regarding LNA Jet Restriction

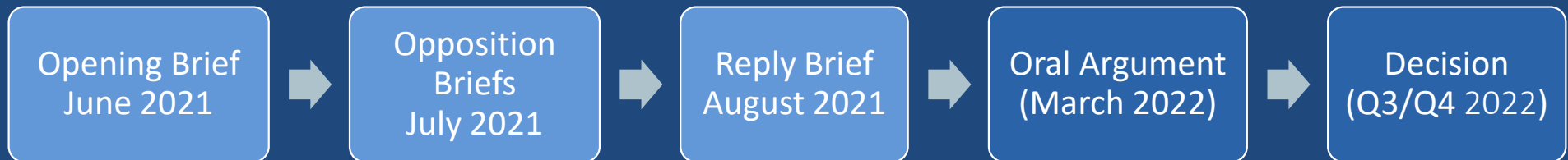
1. Final Agency Decision (issued January 13, 2021)

FAA ordered the County to submit a Corrective Action Plan that would (a) permit immediate access by Complainant and other aircraft capable of utilizing LNA's existing runways, infrastructure, and facilities, and (b) provide a long-term, formal and legal commitment by the County to rescind or not enforce the jet restriction.



Litigation Regarding LNA Jet Restriction

2. Petition for Judicial Review (filed March 10, 2021 in the U.S. Court of Appeals for the Eleventh Circuit)



Impact to Part 150 Study



May require revisions to the forecast



Determine which runways jets could use



Prepare future contours that include jet operations



Develop noise abatement strategies to minimize noise from all aircraft activities



Note: Part 150 evaluates noise levels and does not evaluate safety implications of flight operations

Next Steps

- Decision on FAA Forecast
- Decision on Petition for Judicial Review
- Develop Noise Exposure Maps
- Develop Noise Compatibility Program



Questions?

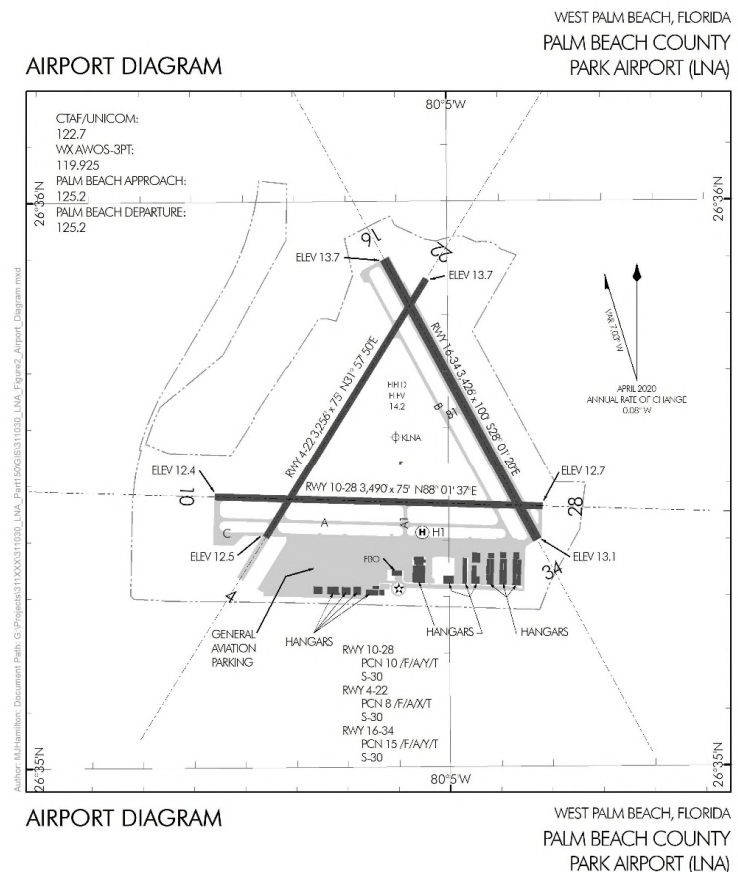


Additional info slides



Practical implications of jet operations at LNA

- The types of jet aircraft that could operate at LNA are limited by runway length (*longest runway <3,500 feet*)
- No current or proposed plans to extend existing runways
- No commercial service (not a Part 139 airport)
- Doesn't mean LNA will become PBI or F45
- F45 designed as jet reliever airport for PBI, not LNA
- Anticipated jet users at LNA likely to be itinerant users and owner/operators
- Anticipate limited jet operations based on runway length



Jet Aircraft that Could Operate at LNA*

Citation I/SP, CJ1
Cessna 550 Citation II
Cessna 525 CJ2
Cessna Citation Mustang
Cirrus Vision SF-50
Pilatus PC-24
Phenom 100
Citation V Ultra
Eclipse 500
Citation III, CJ3
Lear 31

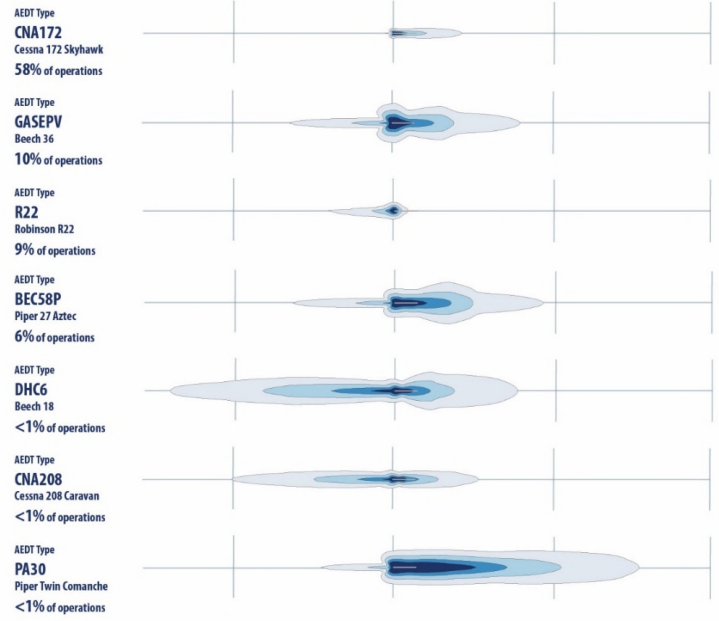


* Pending confirmation from DOA aviation planning review



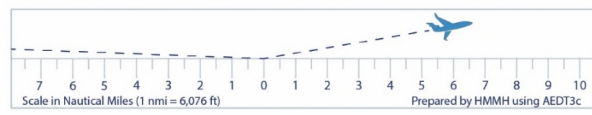
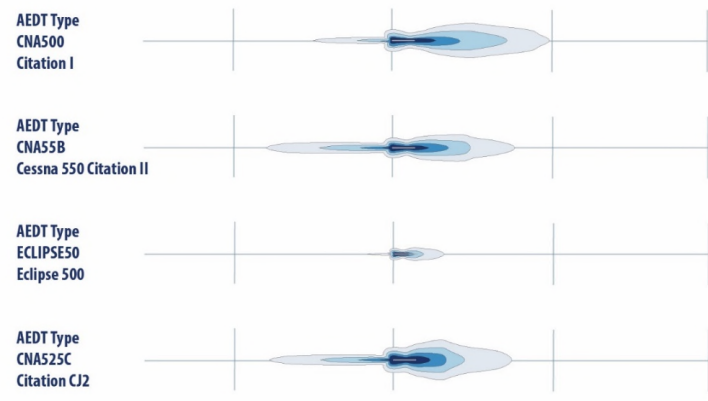
Non-Jets

SOUND EXPOSURE LEVEL (dBA) 95+ 90-95 85-90 80-85

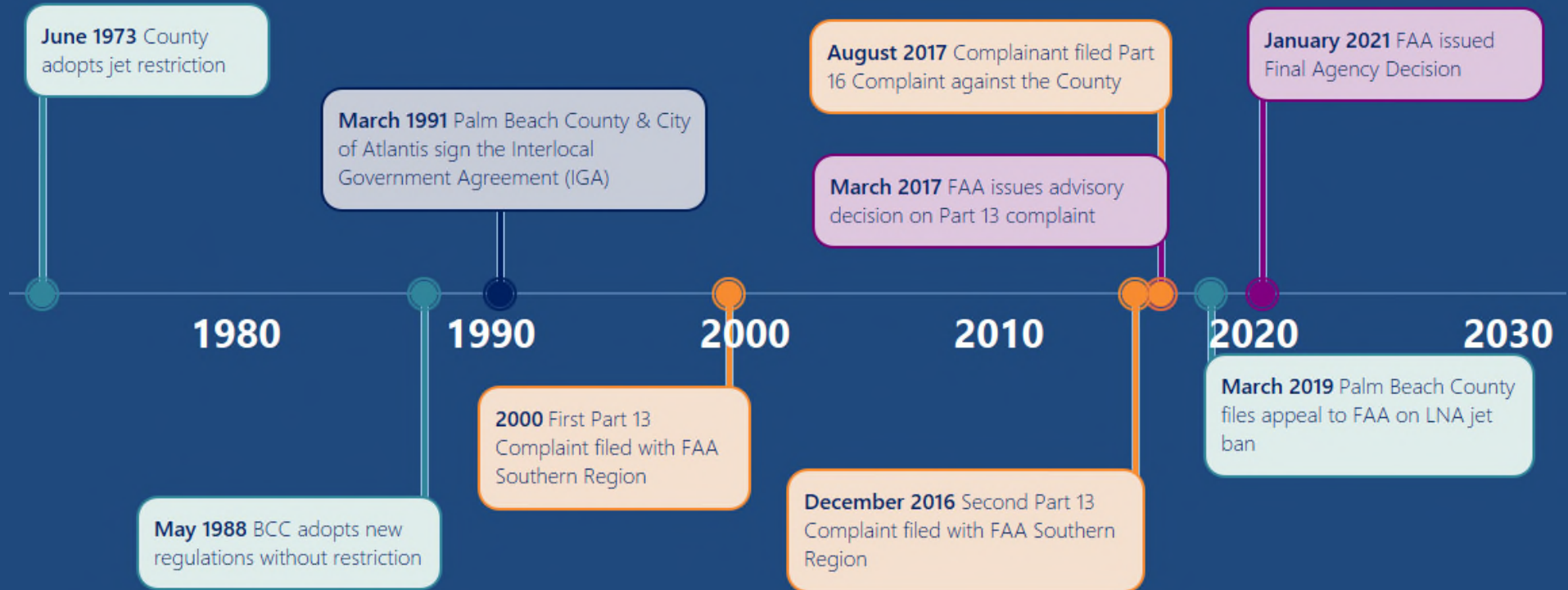


Jets

SOUND EXPOSURE LEVEL (dBA) 95+ 90-95 85-90 80-85



Legal History





**Joint Meeting of the Technical & Community Advisory Committees
Meeting No. 4
14 CFR Part 150 Airport Noise and Land Use Compatibility Study
Lantana Airport (LNA)**

DATE: Wednesday, December 8, 2021

TIME: 5:30 PM - 6:30 PM

LOCATION: Virtual via Zoom

REGISTRATION LINK: <https://zoom.us/meeting/register/tJlSfuCurT8iH9S5Z0K4lj0rGFrmFLkciqXs>

AGENDA

1. Introduction/Opening Remarks
2. Part 150 Status Update
 - a. Noise Measurements
 - b. Forecast
 - c. Litigation Regarding LNA Jet Restriction
3. Next Steps
4. Discussion