

Noise Compatibility Study Technical Advisory Committee Meeting #4

October 9, 2025



Agenda

- Introductions
- 2 Roles and Responsibilities
- 3 Part 150 Overview
- 4 Noise Compatibility Program Implementation Status
- 5 Noise Compatibility Program Potential Measures
- 6 Runway 08 Arrival Offset Approach
- 7 Alternative Departure Procedure
- 8 Next Steps, Schedule, and Project Contacts
- 9 Discussion



Study Team





Aaron Galinis

Project Manager

Patrick Lammerding

Deputy Executive Director Operations, Security, and SMS

Maggie Martinez

Director, Noise & Environmental Affairs



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Aviation Forecaster



Stacey Falcioni

Outreach Strategist

Stevie Espinosa

Outreach Manager

AIRPORT

PROJECT TEAM



INTRODUCTIONS

Technical Advisory Committee Members

Member Category	Organization	TAC Member
Airport	Hollywood Burbank Airport (BUR)	Aaron Galinis
Airport	Hollywood Burbank Airport (BUR)	Maggie Martinez
Airport	Hollywood Burbank Airport (BUR)	Vincent Nguyen, PE
FAA	FAA Airports District Office (ADO)	Justin Kim
FAA	FAA Airport Traffic Control Tower (ATCT)	Brian Marshall
Industry	National Business Aviation Association (NBAA)	Alex Gertson
State	Caltrans	Tarek Tabshouri
State	Caltrans	Nirupama Stalin
Airline	Alaska	Lynae Craig
Airline	JetBlue	Cory Robertson
Airline	Southwest	Trey Tuner
Airline	Spirit	Carl Stallone
Cargo Carrier	FedEx	Scott Campbell
Cargo Carrier	UPS	Thomas Hamm
Cargo Carrier	Harbor Freight	James Matinas
Fixed Base Operator	Atlantic Aviation	Joseph Slama
Fixed Base Operator	Million Air	Ron Reynolds
Land Use	LA County Airport Land Use Commission	Lauren De La Cruz
Land Use	City of Burbank Land Use Planner	Daniel Villa
Land Use	City of Los Angeles Land Use Planner	Sarah Hounsell





Technical Advisory Committee





Advisory to BUR solely for purposes of the BUR Part 150

<u>Reviews</u> study inputs, assumptions, analysis, documentation, etc.

<u>Provides</u> input, advice, and guidance related to NEM and NCP development

<u>Communicates</u> to and from the committee and their respective organizations/constituents

Recognizes that the FAA is responsible for accepting the NEM and approving or disapproving specific Airport-recommended NCP measures

BUR shall respect and consider TAC input but must retain overall responsibility for the Part 150 Study and NCP recommendations.

Planning Process



Study Initiation

- Finalize methodology
- Establish Citizen's Advisory Committee
- Establish Technical Advisory Committee
- Develop project schedule and milestones

Verification

- Existing Noise Exposure Maps, planning, and environmental documents
- Noise complaint data
- GIS and land use data
- Flight track, operations, and noise data
- FAA activity forecasts

Develop NEMs

- Develop noise contours for existing and 5-year forecast conditions
- Review land use data & policies
- Noise impact evaluation for CNEL 65-75
- Identify incompatible land uses and review existing NCP
- Prepare maps in accordance with 14 CFR Part 150

We are here.

Develop NCP

- Consider noise abatement strategies
- Consider land use strategies
- Consider programmatic strategies
- Update NCP in accordance with 14 CFR Part 150

Stakeholder Engagement and Public Outreach

Citizen's Advisory Committee • Technical Advisory Committee • Public Meetings/Hearing • Public Website Materials and Newsletters



Part 150 Overview



Regulation

Title 14 of the Code of Federal Regulations Part 150 (14 CFR Part 150 or "Part 150"), "Airport Noise Compatibility Planning"

- Voluntary FAA-defined process for airport noise studies
 - Over 250 airports have participated
- Sets national standards for analysis
- Provides access to FAA funding of some approved measures

Technical Elements

Part 150 has two technical elements:

- 1. Noise Exposure Map (NEM)

 FAA Accepts the document as being completed per 14 CFR Part 150
- 2. Noise Compatibility Program (NCP)

 FAA approves/disapproves, for Part

 150 purposes, each Airportrecommended measure in a Record
 of Approval (ROA)



Noise Compatibility Program (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/ Noise Mitigation

- 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

Program Management 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)

* Land use controls
as a strategy has
limited applicability
at BUR due to lack of
land use authority





Noise Compatibility Program Implementation Status

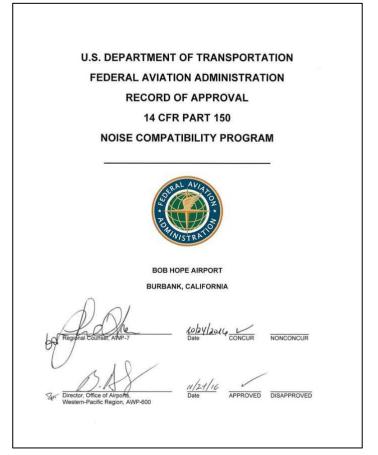


Noise Compatibility Program (NCP) Review



2016 BUR NCP included:

- Noise Abatement Measures (9)
- Land Use/Noise Mitigation Measures (5)
- Program Management Measures (4)





Noise Abatement Measures



Number	Measure	Status
NA-1	Continue Requiring All Transport Category and Turbojet Aircraft to Comply With Federal Aircraft Noise Regulations	Implemented
NA-2	Continue Requiring Compliance with The Airport's Engine Test Run-Up Policy	Implemented
NA-3	Continue Promoting Use of AC 91-53A, Noise Abatement Departure Procedures by Air Carrier Jets	Implemented
NA-4	Continue Promoting Use of NBAA Noise Abatement Procedures, Or Equivalent Manufacturer Procedures, By General Aviation Jet Aircraft	Not implemented
NA-5	Continue Working with The FAA Airport Traffic Control Tower to Maintain the Typical Traffic Pattern Altitude Of 1,800 Feet MSL	Implemented
NA-6	Continue The Placement of New Buildings on The Airport North of Runway 08-26 To Shield Nearby Neighborhood from Noise On Runway	Implemented
NA-7	Designate Runway 26 As Nighttime Preferential Departure Runway	Implemented
NA-8	Establish Noise Abatement Departure Turn for Jet Takeoffs on Runway 26	Implemented
NA-9	Build Engine Maintenance Run-Up Enclosure	Not implemented



Land Use & Noise Mitigation Measures



Number	Measure	Status
LU-1	Provision For Retention or An Easement Preventing Noise Sensitive Land Uses of Property Located in The Northeast Quadrant of The Airport Within the 2017 65 CNEL	Implemented
	Noise Exposure Contour	

Number	Measure	Status
NM-1	Continue Existing Acoustical Treatment Program for Single Family Homes	Implemented
NM-2	Revise Residential Acoustical Treatment Program to Include Single Family Homes Within 65 CNEL Contour Based on 2017 NEM	Implemented
NM-3	Establish Acoustical Treatment Program for Multi-Family Dwelling Units Within the 2017 Acoustical Treatment Eligibility Area	Implemented
NM-4	For Otherwise Qualified Property Owners Who Have Been Unable to Participate in the Residential Acoustical Treatment Program (RATP) Due to Building Code Deficiencies, Offer to Purchase a Noise Easement as an Option for Owners of Single Family and Multi-Family Properties in the 2017 Acoustical Treatment Eligibility Area That Have Not Been Treated	Implemented



Program Management Measures



Number	Measure	Status
PM-1	Continue Noise Abatement Information Program	Implemented
PM-2	Monitor Implementation of Updated Noise Compatibility Program	Implemented
PM-3	Update Noise Exposure Maps and Noise Compatibility Program	Implemented
PM-4	Maintain Log of Nighttime Runway Use and Operations By Aircraft Type	Implemented





Noise Compatibility Program Potential Measures



Goals of Alternatives



- Part 150 requires evaluation of alternatives that:
 - Reduce existing noncompatible uses
 - Prevent or reduce the probability of the establishment of additional noncompatible uses
 - Do not impose undue burden on interstate and foreign commerce
 - Provide for revision in accordance with §150.23 of this Part
 - Are not unjustly discriminatory
 - Do not derogate safety or adversely affect the safe and efficient use of airspace



Goals of Alternatives



- Part 150 specifies use of the 65 CNEL noise contour as the threshold contour for land use compatibility
- Residential land uses within the 65 CNEL or greater noise contours are not compatible unless the residence has sound attenuation features
 - Goal: Reduce noncompatible land uses located within the 65 CNEL or greater contours
 - Part 150 requires evaluation of alternatives that:
 - Requirement: To the extent practicable, meet both local needs and needs of the national air transportation system, considering tradeoffs between economic benefits derived from the airport and the noise intrusion
 - Requirement: Can be implemented in a manner consistent with all the powers and duties of the FAA Administrator



Questions to Consider



- Does the action shift noise without meaningful overall noise reduction?
- Does the action affect safety?
- Does the action reduce airport capacity?
- Can the FAA approve and be able to implement the procedure?
- Does the procedure violate any existing statutes, rules or regulations, or grant assurances?
- How effectively does the action reduce noise?
- Does the action result in newly affected populations?



Alternatives Analysis Policies



- The alternatives will improve the overall noise environment, not shift noise from one area to another
- Programs that benefit noise-sensitive uses without unduly adversely affecting other noise-sensitive uses will be given highest priority
- Programs for reducing the highest noise levels affecting noisesensitive uses will be given highest priority



Noise Measure Categories









NOISE ABATEMENT MEASURES

LAND USE & MITIGATION MEASURES

PROGRAM MANAGEMENT MEASURES



Noise Abatement Measures





- Runway 08 Arrival Offset Approach Modeled
- Alternative Runway 15 Departure Modeled
- Others for discussion
 - Continued/increased use of Nighttime Preferential Runway Use Program
 - Helicopter Operations
 - Ground Runups
 - Reduced Use of Reverse Thrust



Runway 08 Arrival Offset Approach



Conceptual Offset Approach to Runway 08



Objective

Introduce a hypothetical offset arrival procedure to Runway 08 at Hollywood Burbank Airport (BUR) using a rail-aligned path to minimize residential noise exposure.

Noise Exposure Benefits

- Shifts concentrated noise away from densely populated residential areas
- Potential reduction in 65+ CNEL residential exposure footprint
- Supports long-term noise compatibility goals and land use planning



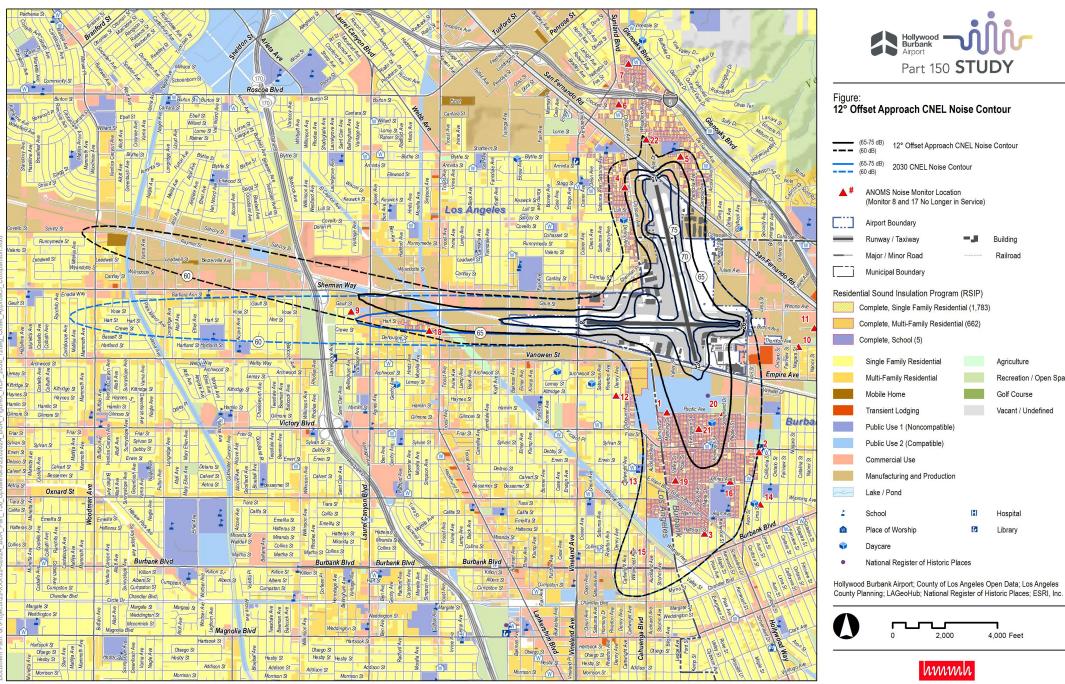
Conceptual Offset Approach to Runway 08



Noise Modeling

- Model potential changes to 65 CNEL contour footprint
- Assess population and household exposure changes using latest Census and land use data

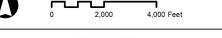






12° Offset Approach CNEL Noise Contour







Conceptual Offset Approach to Runway 08



Existing (2026) and Forecast (2031) Land Use Compatibility

Source: HMMH 2025

	Population US Census 2020							Housing Units ¹					
Contour Interval	2026			2031			2026			2031			
	Total	RSIP	NC	Total	RSIP	NC	Total	RSIP	NC	Total	RSIP	NC	
65-70 CNEL	2,817	1,658	1,159	2,889	1,597	1,292	868	592	276	907	568	339	
70-75 CNEL	13	6	7	13	8	5	3	2	1	2	3	0	
>75 CNEL	0	0	0	0	0	0	0	0	0	0	0	0	
Total within 65 CNEL	2,830	1,664	1,166	2,902	1,605	1,297	871	594	277	909	571	339	

Notes: RSIPSound Insulation Program (RSIP) compatible. NC = Potential noncompatible properties are identified as NC.

1. The assumed number of occupants per housing unit is 2.5.

Existing (2026) and Forecast (2031) Land Use Compatibility

Source: HMMH 2025

Contour	2026						2031					
Interval	Educational Facilities	Places of Worship	Library	Hospital	Daycare	NRHP	Educational Facilities	Places of Worship	Library	Hospital	Daycare	NRHP
65-70 CNEL	0	1	0	0	2	1	0	1	0	0	2	1
70-75 CNEL	0	0	0	0	0	0	0	0	0	0	0	0
>75 CNEL	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	2	1	0	1	0	0	2	1

Notes: NRHP = National Register of Historic Places



Conceptual Offset Approach to Runway 08



BUR 2030 Contour

Source: HMMH 2025

BUR NCP Offset 2030

Source: HMMH 2025

	Population Census 2020	Housing Units	Area (Acres)	RSIP Population	RSIP HU	Population Census 2020	Housing Units	Area (Acres)	RSIP Population	RSIP HU
60-65 DNL	23,004	8,152	1,537.13	4,077	1,450	14,246	5,217	1,532.62	4,380	1,558
65-70 DNL	2,889	907	516.05	1,597	568	1,711	515	515.33	1,293	460
70-75 DNL	13	2	191.79	8	3	13	2	192.01	8	3
75+ DNL	0	0	147.08	0	0	0	0	147.12	0	0
Total within DNL 60	25,906	9,061	2,392.05	5,681.82	2,021.00	15,970	5,734	2,387.08	5,681.82	2,021.00
Total within DNL 65	2,902	909	854.92	1,605.30	571.00	1,724	517	854.46	1,301.67	463.00

Change (Offset approach – current approach)

Source: HMMH 2025

	Population Census 2020	Housing Units	Area (Acres)	RSIP Population	RSIP HU
60-65 DNL	-8,758	-2,935	-5	304	108
65-70 DNL	-1,178	-392	-1	-304	-108
70-75 DNL	0	0	0	0	0
75+ DNL	0	0	0	0	0
Total within DNL 60	-9,936	-3,327	-5	0	0
Total within DNL 65	-1,178	-392	0	-304	-108





Alternative Runway 15 Departure Procedure



Background



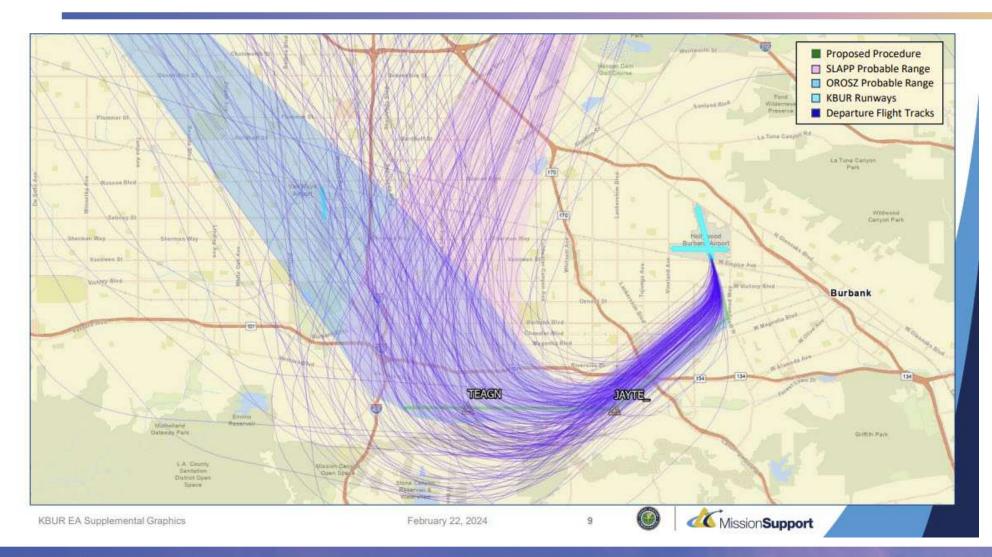
- FAA completed a Draft Environmental Assessment (EA) for departure procedure changes at BUR in February 2024; public comment period closed March 2024.
- Record of Decision (ROD) Issued No Action alternative selected.
- Draft EA flight track graphics align with Task Force visuals; two procedures noted: SLAPP and OROSZ.

Current Operations

- Departures from Runway 08 and Runway 15 currently make a turn to fly a 210° heading until receiving vectors from ATC.
- No formal IFP updates in FAA's IFP Gateway for JAYTE or TEAGN waypoints.



Studied Alternative A and Current Flight Tracks



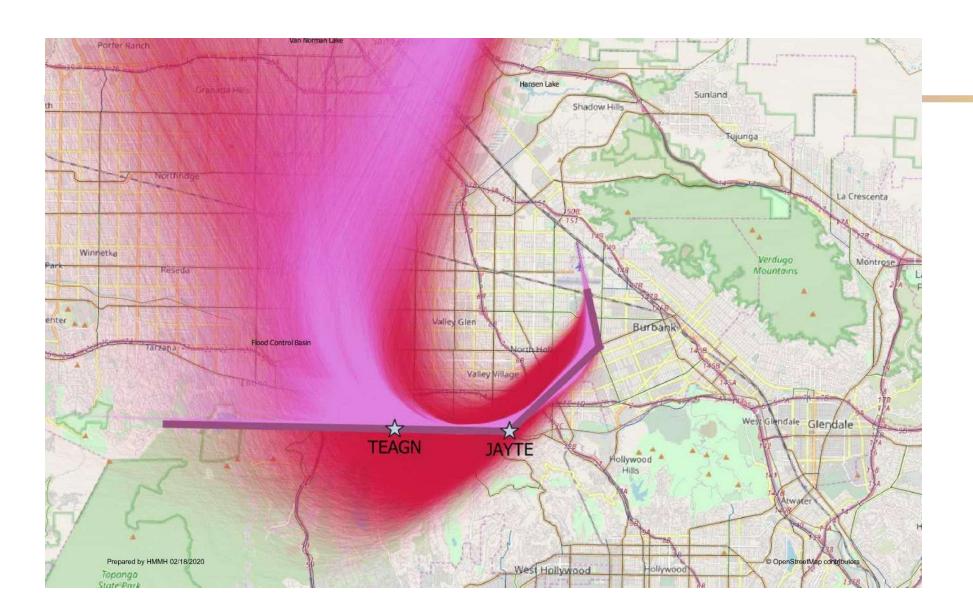


Noise Analysis



- Modeling based on FAA Draft EA flight tracks
- SLAPP and OROSZ considered as a single or two main flight paths, as they share routing until diverging.
- Generate updated 65 CNEL contours for existing and proposed scenarios.
- Assess residential population and housing units within 65 CNEL contour.
- Perform event-level noise analysis
 - Count and compare the number of departure events exceeding defined noise thresholds.
 - Identify changes in exposure for key communities.









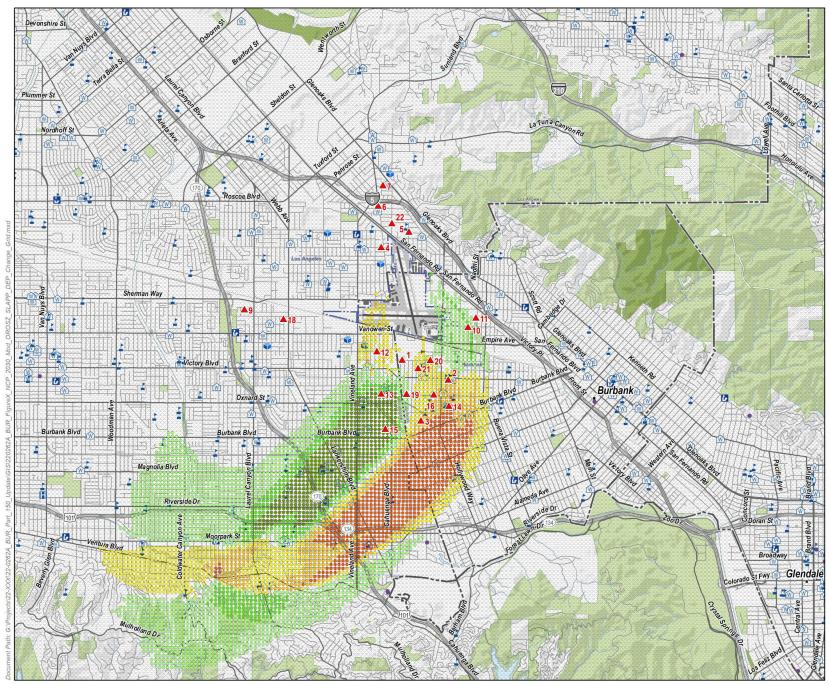




Figure:

Number Above Lmax 70 Grid Analysis, Modified OROSZ and SLAPP Departure Procedures Compared to 2030 CNEL Noise Contour

ANOMS Noise Monitor Location
(Monitor 8 and 17 No Longer in Service)

Airport Boundary

Runway / Taxiway

Major / Minor Road
Municipal Boundary

School
Hospital
Place of Worship
Daycare
National Register of Historic Places

Number Above Lmax 70 Difference Grid

- -75+
- -25 to -75
- -10 to -25
- -1 to -10
- -1 to 1 (No Color)
- 0 1 to 10
- 9 10 to 25
- 25 to 75
- 75+

Hollywood Burbank Airport; County of Los Angeles Open Data; Los Angeles County Planning; LAGeoHub; National Register of Historic Places; ESRI, Inc.



0 2,000 4,000 Feet



Noise Abatement Measures - Discussion





Other measures for discussion:

- Continued/increased use of Nighttime Preferential Runway Use Program
- Helicopter Operations
- Ground Runups
- Reduced Use of Reverse Thrust



Land Use Measures - Discussion



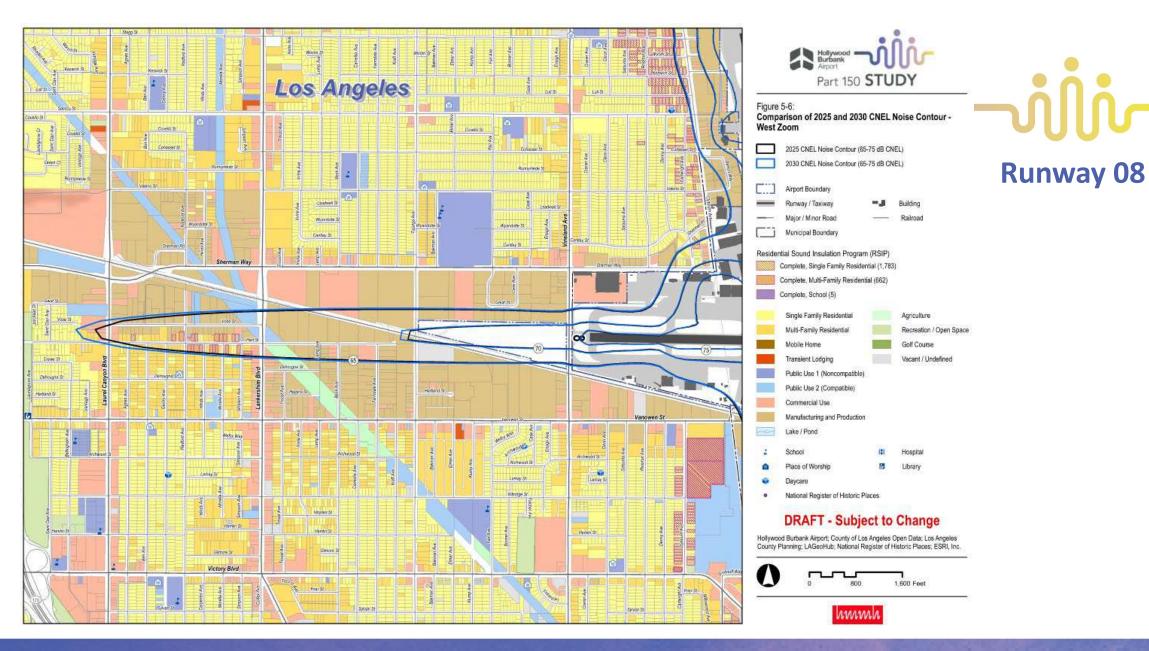


- Sound Insulation Program (new 65 CNEL)
- Airport Land Use Compatibility Plan (ALUCP) and Airport Influence Area (AIA)
- Rebuilds

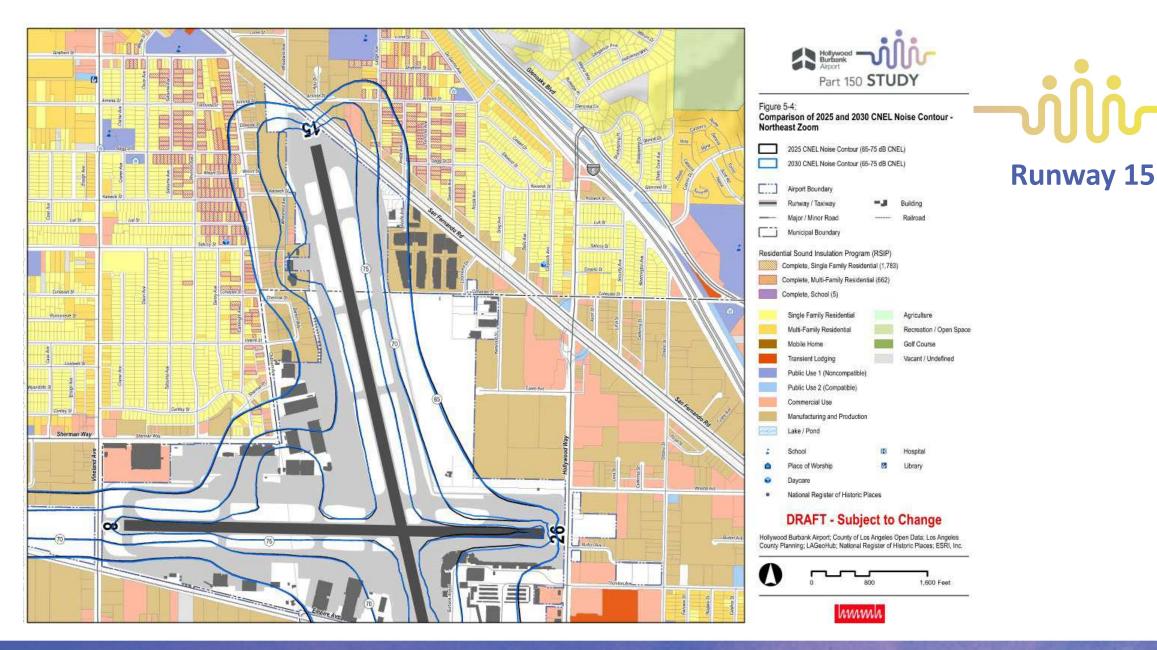


Sound Insulation Program (New 65 CNEL)

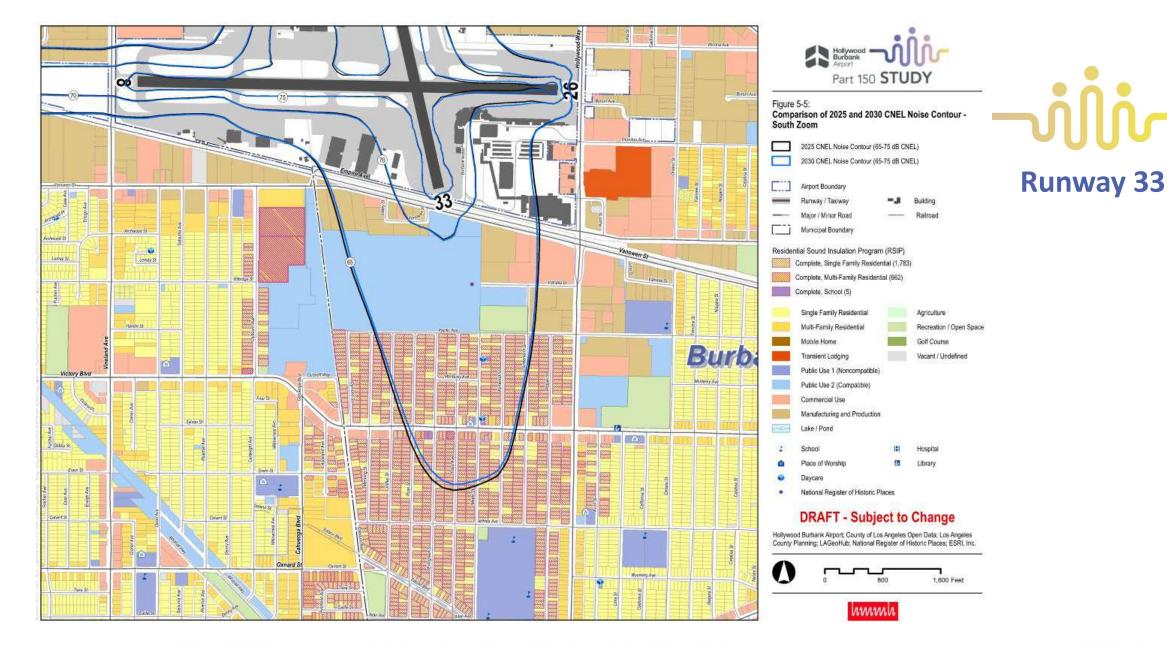










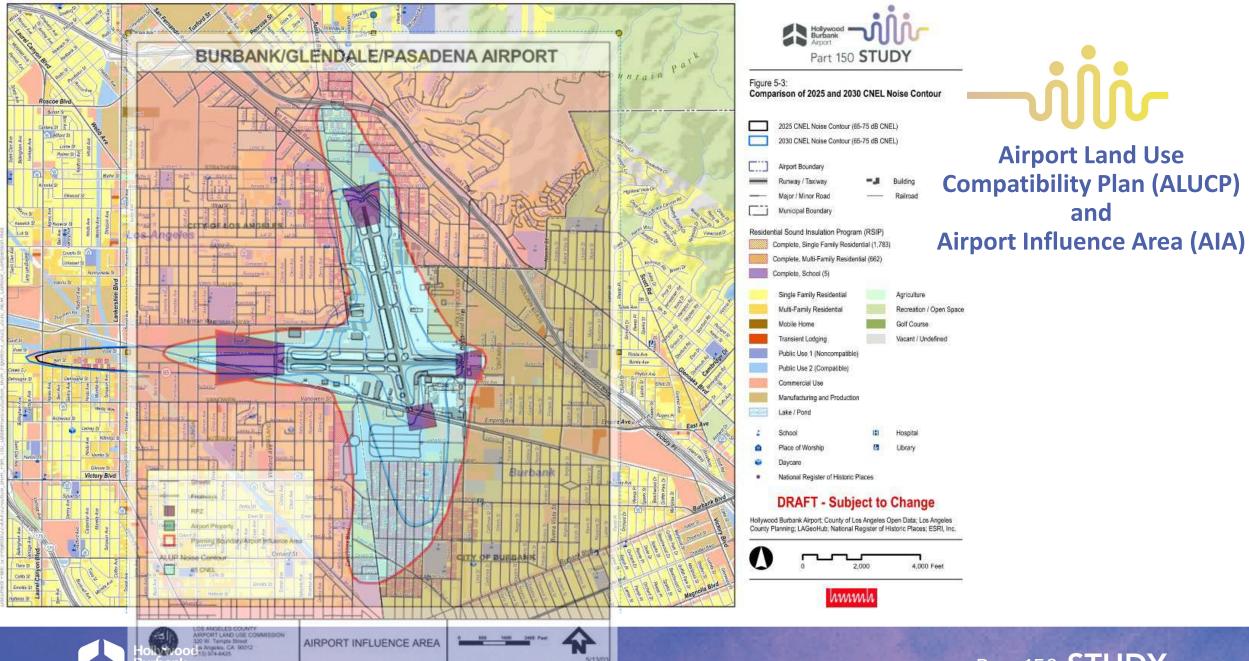






Airport Land Use
Compatibility Plan (ALUCP)
and
Airport Influence Area (AIA)





Program Management Measures - Discussion





- Noise Office
- Maintain and Update/Improve Noise Monitoring Program
- Dashboard/Fly Quiet Program
- Update the NEM/NCP

Brainstorming Session



- Time to discuss!
- Each committee member gets a chance to share their ideas with the group.





Next Steps, Schedule, and Project Contacts



Next Steps



- Noise Compatibility Program (NCP) Development Use input from today to further develop recommended measures to address remaining noncompatible land uses identified in the NEM
- Come back with additional refinement of potential alternatives and modeling if needed



Tentative Schedule



January 2024	Project Kick Off
February 2024	Data Collection and Study Protocol Development
January 30, 2025	TAC/CAC Meeting #1, Open House #1 (Study Introduction)
March 27, 2025	TAC/CAC Meeting #2 (Review of Noise Modeling Inputs)
Spring 2025	Publish Draft NEM Document, 30-Day Review Period
May 22, 2025	TAC/CAC Meeting #3 (Noise Modeling Results & Existing NCP Review) Open House Meeting #2 (NEM Draft Document)
Summer 2025	Submit NEM to FAA, NCP Phase Begins
Fall 2025	TAC/CAC Meeting #4 (Preliminary Brainstorming NCP Measures)
Winter 2026	TAC/CAC Meeting #5 (Refinement of NCP Measures)
Spring 2026	TAC/CAC Meeting #6, Open House #3 (Draft NCP Recommendations)
Fall 2026	Open House #4 and Public Hearing (Draft NCP document)
November 2026	Submit NCP to FAA

^{*}Please hold dates underlined above for upcoming TAC meetings.



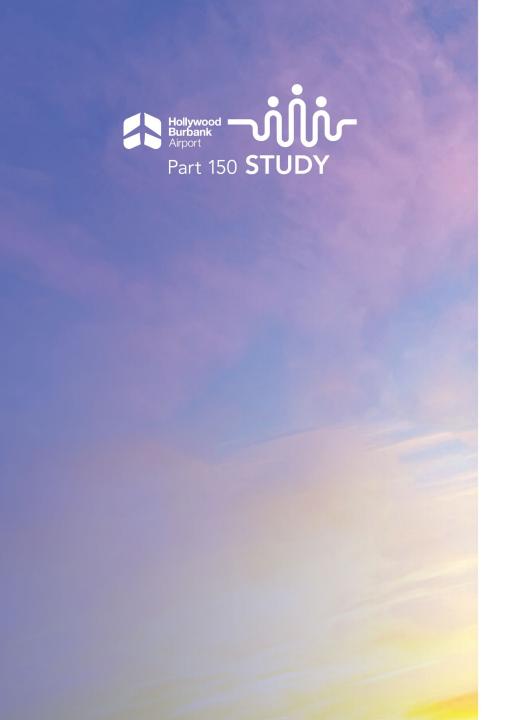


Project Contacts



Project Website	www.hollywoodburbankairport.com/noise/ part-150-study-update
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Questions & Comments

