

# Status Report

# LAX Sound Insulation Programs

Presented to:  
LAX/Community Noise Roundtable  
January 9, 2019



*Los Angeles World Airports*



**Environmental Programs Group**

# LAX Sound Insulation Grant Program

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- Land uses around airports such as residences, schools, hospitals and places of worship, with a Community Noise Equivalent Level (CNEL) of 65 dB and higher, are generally considered “incompatible” with the airport.
- Los Angeles International Airport (LAX) has an FAA-approved Noise Compatibility Program (NCP), which makes certain residential areas eligible for FAA funding of sound insulation.
- Sound Insulation Program Funding
  - FAA provides 80%
  - LAWA provides 20%

# LAX Residential Sound Insulation Programs

## Other Local Jurisdictions

### City of Los Angeles

- Program managed by LAWA
- Began in 1997 and **completed in 2014**
- Soundproofed over 7,300 units

### City of Inglewood

- Program managed by City of Inglewood
- Began in 1997 and ongoing
- Soundproofed over 6,800 units within LAWA Grant Implementation Plans

### City of El Segundo

- Program managed by City of El Segundo
- Began in 1992 and closed by El Segundo in 2018
- Soundproofed over 1,600 units within LAWA Grant Implementation Plans and over 200 units outside

### County of Los Angeles

- Program managed by LA County
- Began in 1992 and ongoing
- Soundproofed over 3,600 units within LAWA Grant Implementation Plans and over 250 units outside

# Highlights – Sound Insulation Grant Program

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**Oct 2015:** FAA rules require two-step eligibility

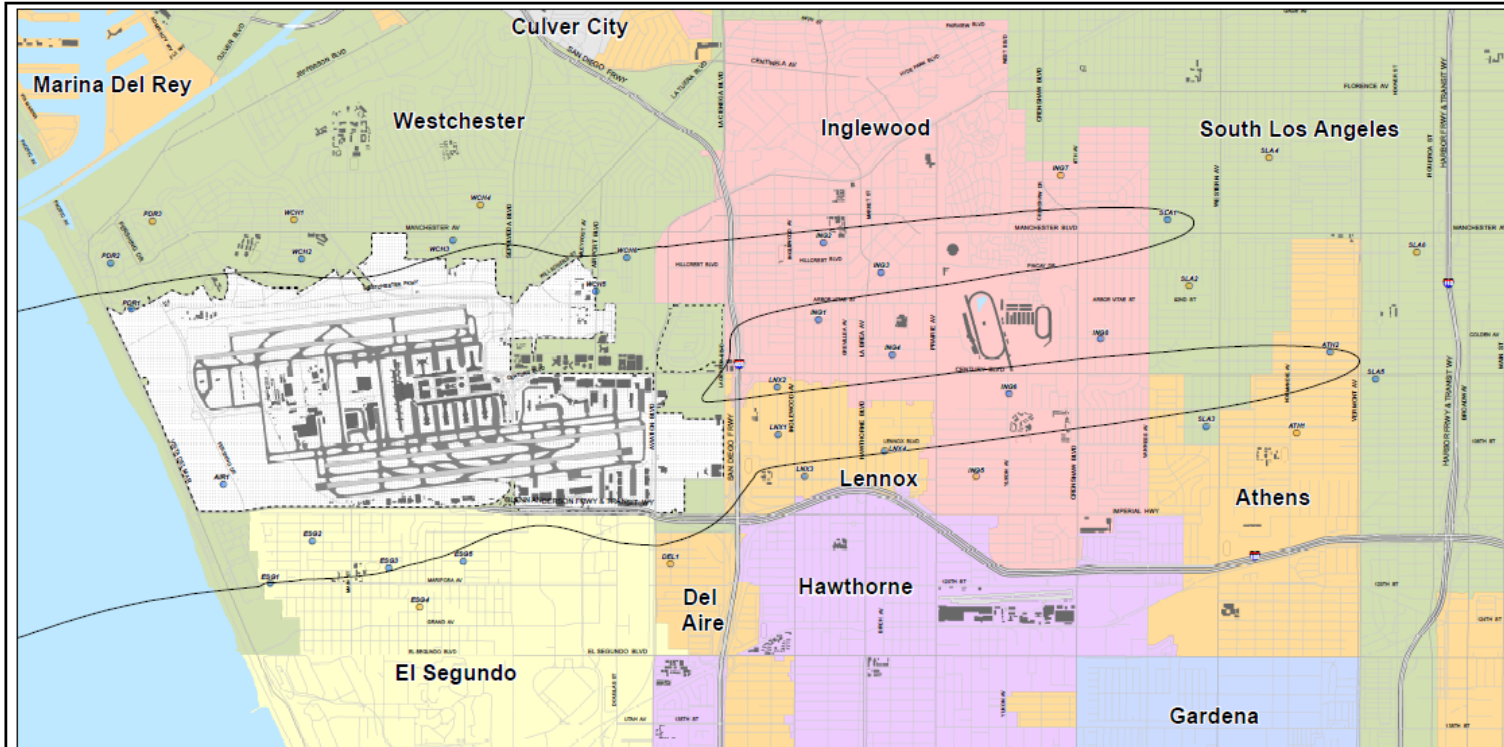
- Homes must be inside 65 dB contour, and
- Interior noise level of 45 dB or greater (average of all habitable rooms)

**Jan 2016:** FAA approved Noise Exposure Maps (NEMs) for use at LAX

**May 2016:** LAWA authorized Inglewood and LA County to begin acoustical testing

**January 2018:** Construction began in Jurisdictions

# Program Boundary – 2020 NEM



NEM 2020 CONTOUR

<b>Legend</b>		 	 <b>Los Angeles World Airports</b> Los Angeles International Airport
Streets Landmarks Airport Property	NEM 2020 65 dB CNEL Contour Noise Monitor (Required for Title 21) Noise Monitor (Not required for Title 21)		

# Typical Sound Insulation (SI) Treatments

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## Residential:

- Replacement of windows and doors (including hardware and weather-stripping)
- positive ventilation system/air conditioning

## Schools:

- Replacement of doors and new threshold
- Replacement of windows, including new windows where wood replacement or drywall-blocked windows currently exist
- Exterior wall insulation and interior sound panels as needed
- Mechanical system upgrades (HVAC/PVS)

Target of 45 dB interior noise level, and/or a 5 dB reduction

# Residential SI Programs – Current Status

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## City of Inglewood

- \$20 Million FAA grant in 2018
- Acoustic testing completed to date: 1,144 dwelling units
- Fifteen construction groups awarded
- Construction:
  - 362 units completed
  - 298 units in progress

## County of Los Angeles

- \$10 Million FAA grant in 2018
- Acoustic testing completed to date: 504 dwelling units
- Six construction groups awarded; two groups out to bid
- Construction:
  - 99 units completed
  - 115 units in progress

# LAX – Residential Sound Insulation Programs

Funding & Units Insulated at LAX: 1980's - 2018				
Jurisdiction	Total Grants Awarded	Units Mitigated* (4Q92 & Alt D 65 Contours)	Units Projected to Participate (2020 NEM)	Units Mitigated (2020 NEM)
City of Los Angeles	\$160,000,000	7,329	N/A	N/A
City of Inglewood	\$334,269,402	6,876	2,277	362
City of El Segundo	\$97,969,856	1,943	1,030	N/A
County of Los Angeles	\$167,450,000	3,904	1,703	99
	<b>\$759,689,258</b>	<b>20,052</b>	<b>5,010</b>	<b>461</b>

\* Includes units mitigated outside LAWA GIPs



# Schools SI Program - Lennox School District

- FAA approved LAX Passenger Facility Charge (PFC) funding:
  - 11 Schools and \$34 Million
- 2011 – LAX awarded \$10 Million for 1<sup>st</sup> Work Plan
- 2014 – LAX awarded \$10 Million for 2<sup>nd</sup> Work Plan

## **Completed:**

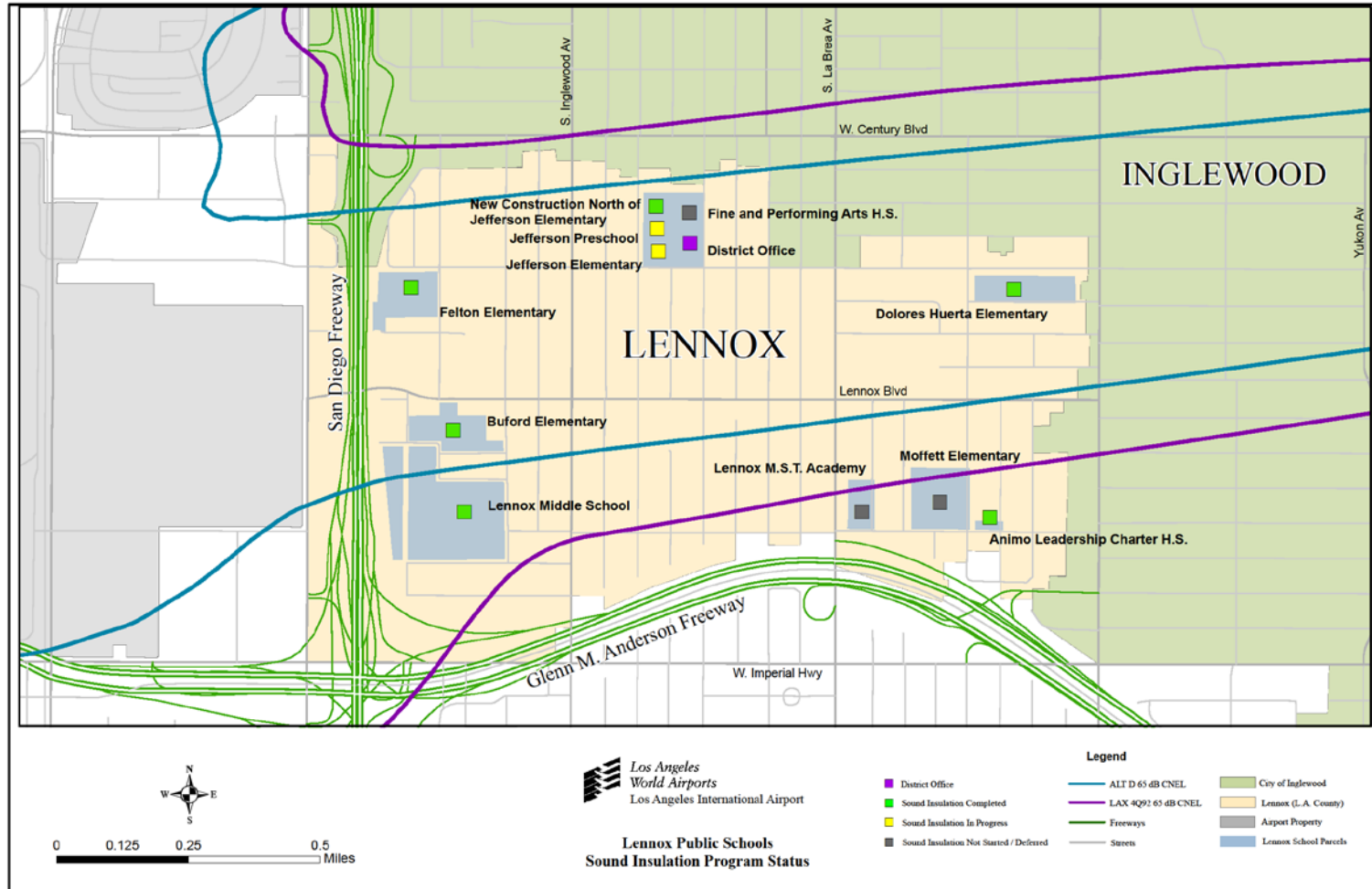
- Huerta Elementary
- Animo Leadership High School
- Felton Elementary
- Lennox Middle School
- Jefferson ORG
- Buford Elementary

## **In Progress:**

- Jefferson Elementary – Construction began fall 2018

**Removed from Program:** LMSTA High School, Moffet Elementary, New Media & Performing Arts High School

# Lennox School District



- 2014 – FAA approved LAX PFC funding: 6 schools and \$44.4 Million
- 2015 – LAX awarded \$10 Million for 1<sup>st</sup> Work Plan

**Eligible Schools:** Payne Elementary, Monroe Middle School, Morningside High School, Oak Street Elementary, Woodworth Elementary, Woodworth Child Development Center

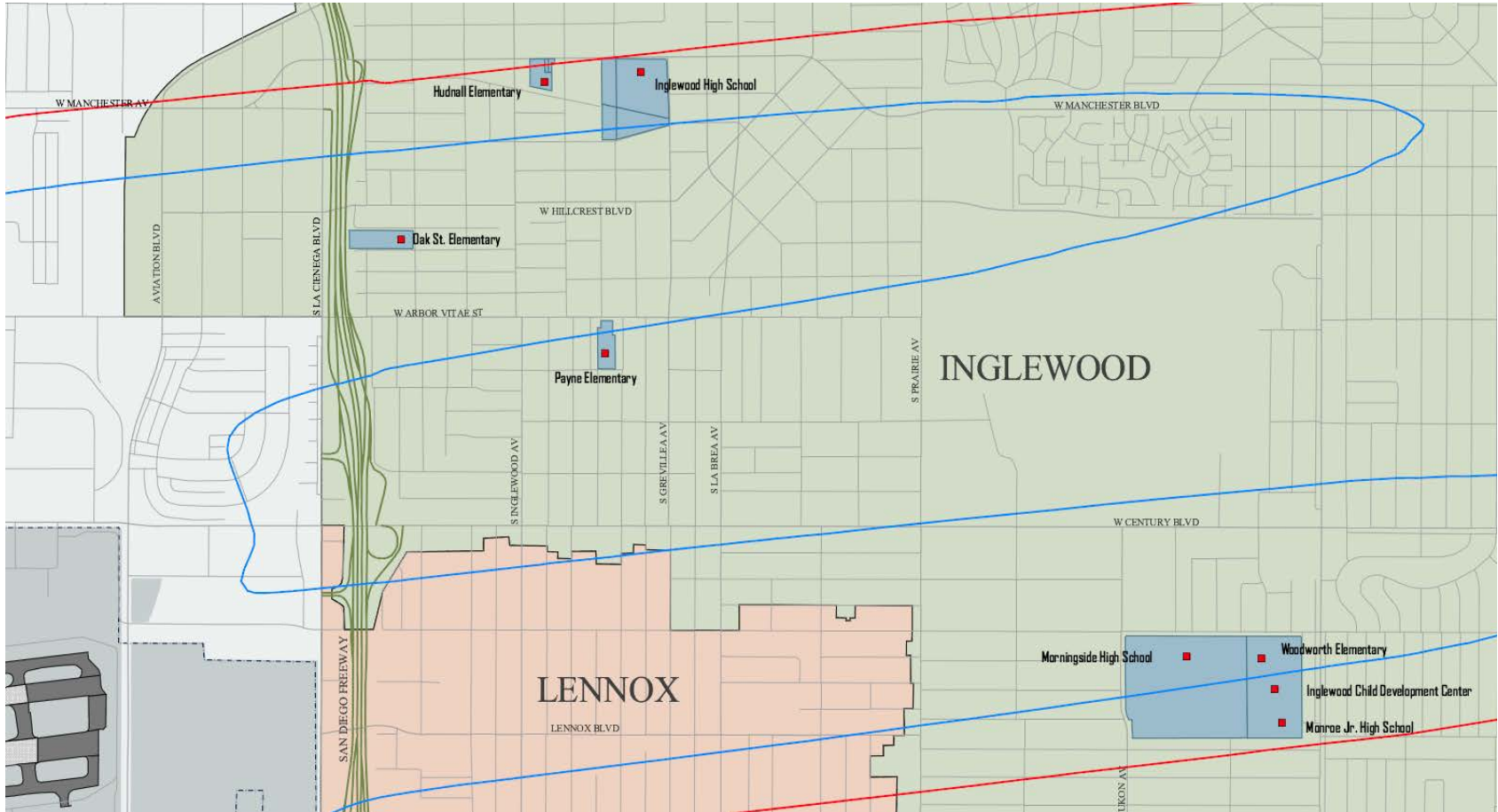
**In Progress:**

- Payne Elementary – Groundbreaking May 2018
- Monroe Middle School – Notice to Proceed September 2018

**In Design:**

- Oak Street Elementary
  - Morningside High School
- LAWA plans to include Inglewood High School in the next PFC application – included in updated 2020 Noise Exposure Map for LAX

# Inglewood Unified School District



# Questions?

Contact:

Catalina Saldivar-Chavez

Sound Insulation Grant Program

(424)646-6502

[csaldivarchavez@lawa.org](mailto:csaldivarchavez@lawa.org)