

# Status Report

# Noise Mitigation Programs

Presentation to the LAX/Community  
Noise Roundtable

July 13, 2016



*Los Angeles  
World Airports*



**Environmental Programs Group**

# Aircraft Sound Insulation Programs at LAX

---

- Land uses around airports such as residences, schools, hospitals and places of worship, with a Community Noise Equivalent Level (CNEL) of 65 dB, 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.
- Federal (ANSA, 1979), State (Title 21, 1970) and Local (Reso 21481, 2001) rules provide eligibility and funding structure.

# LAX Program Participants

---

## **Residential Programs**

City of El Segundo

City of Inglewood

County of Los Angeles (Lennox,  
Del Aire, Athens)

City of Los Angeles

## **School Programs**

Lennox School District

Inglewood Unified School District

# Typical Sound Insulation Techniques:

---

## Residential:

- Replacing windows, and doors (including hardware and weather-stripping)

## Schools:

- Replacement of doors, new threshold for the exterior classroom doors
- Install new windows where wood replacement or dry wall-blocked windows currently exist
- Exterior wall insulation and interior sound panels as needed

## Both:

- Mechanical system upgrades (HVAC/PVS)
- Target of 45 dB interior noise level, and/or a 5 dB reduction

# Residential Program – Yearly Progress Chart

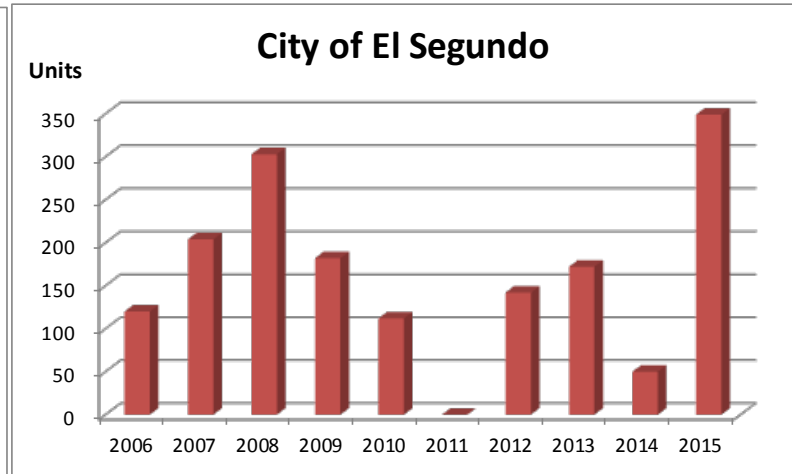
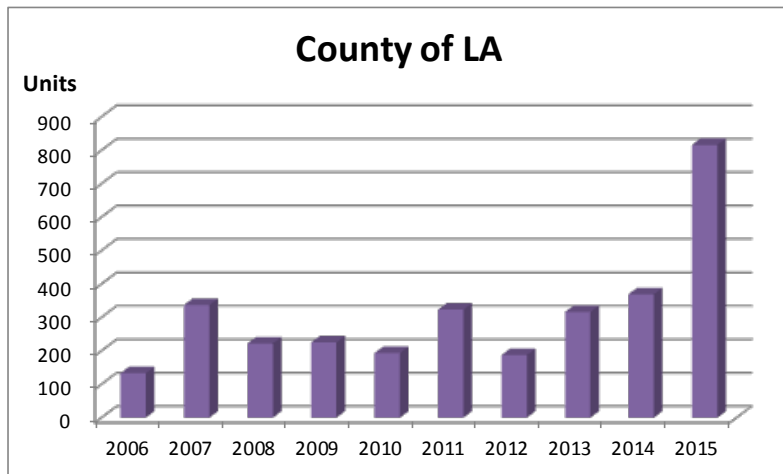
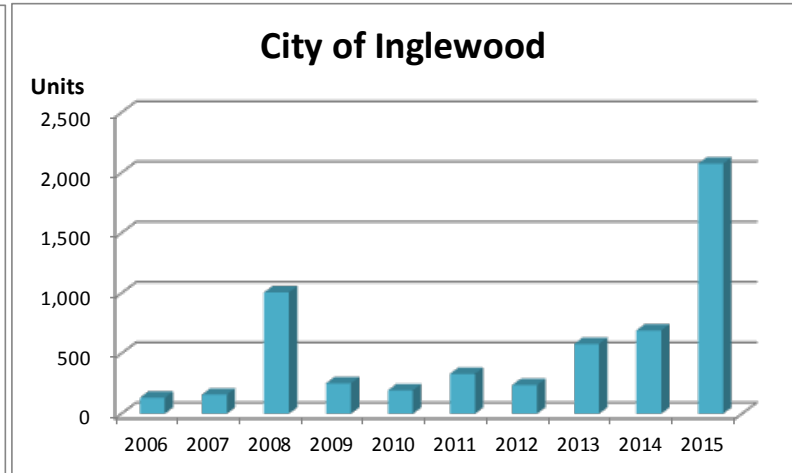
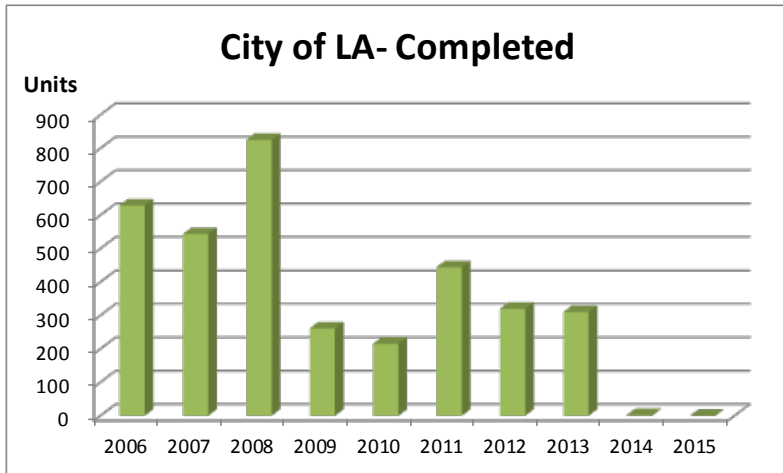
## Los Angeles World Airports' Sound Insulation Grant Programs - Status Update

Jurisdiction	Total Units Eligible	Units Completed Pre-2006	Program Production Rates 2006 - 2015											All Totals Mitigated Start-2015	Total Units Remaining	Percent of Units Completed
			2006	2007	2008	2009	Total Mitigated		2012	2013	2014	2015	Total Mitigated 2006-2015			
City of El Segundo	4,537	309	120	204	303	182	112	0	142	172	50	349	1,634	1,943	2,594	43%
City of LA <sup>1</sup>	8,710	3,991	619	523	694	261	215	390	320	312	2	N/A	3,336	7,327	---	100%
Van Nuys <sup>1</sup>	1,051	565	10	20	131	0	0	54				N/A	215	780	---	100%
County of LA	6,200	779	133	337	222	225	193	323	187	316	373	816	3,125	3,904	2,296	63%
City of Inglewood <sup>2</sup>	9,569	1,763	133	159	1,007	253	195	332	238	580	691	2,077	5,665	7,428	2,141	78%
City of Ontario <sup>3</sup>	2,418	855	0	35	81	77	32	100	148	106	66	99	744	1,599	819	66%
<b>Totals</b>	<b>32,485</b>	<b>8,262</b>	1,015	1,278	2,438	998	747	1,199	1,035	1,486	1,182	3,341	14,719	22,981	7,850	71%

Notes: 1) City of LA - VNY and LAX are complete, programs now closed, Variance between Total Eligible and Total Mitigated = Non Participating Units; 2) INGL added 869 units to Total Eligible as result of EOB units from 4Q92 contour

3) Ontario was using the 1995 FAA Part 150 NEM. Based on the new 2020 NEM (final draft), all residential units are now compatible with ONT aircraft noise. Remaining 819 units reflect those units from the 1995 NEM.

# 2006-2015 Construction Progress

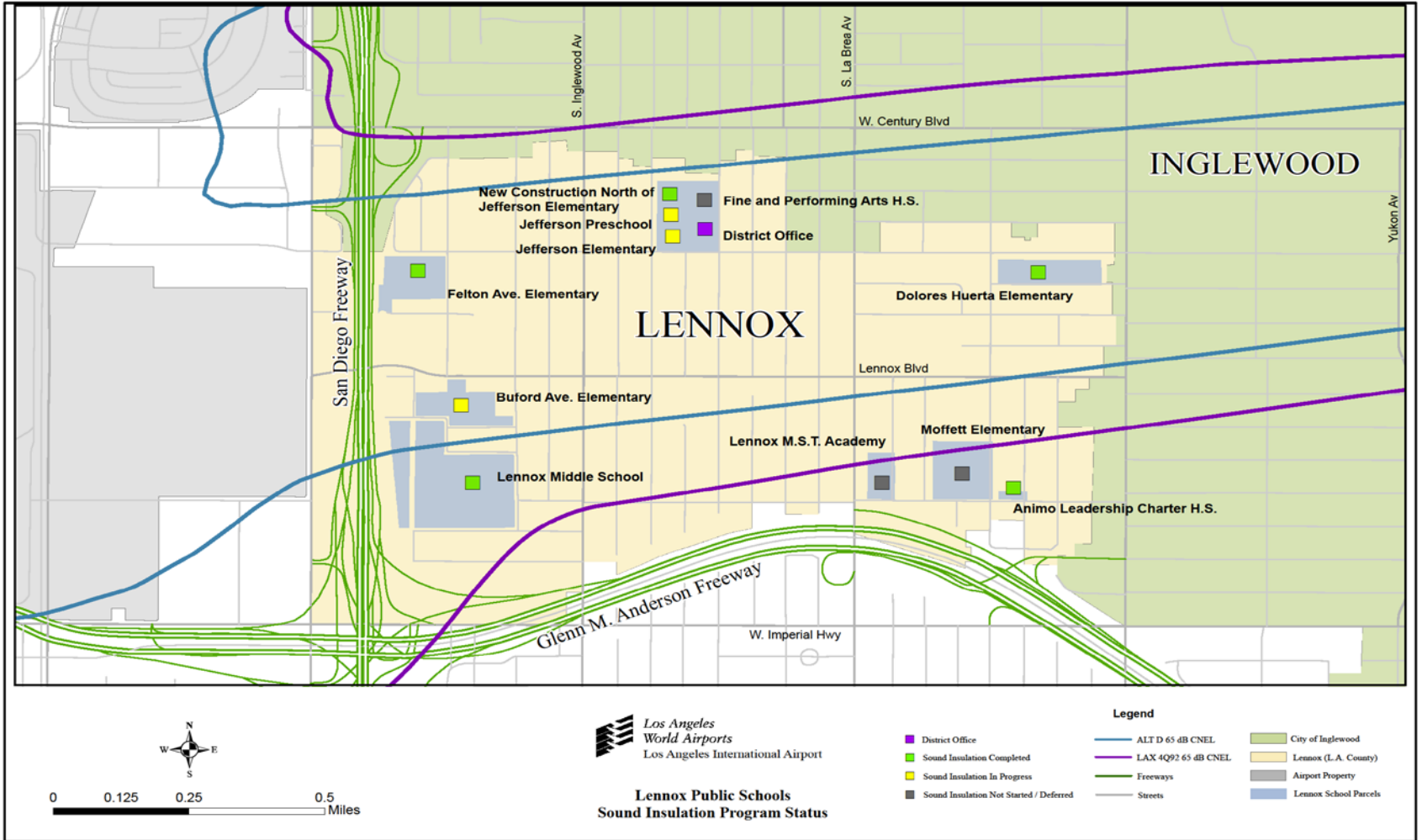


# Lennox School District

---

- FAA approved PFC funding: 11 Schools and \$34 million
- 2011 - \$10 Million awarded for 1<sup>st</sup> Work Plan
- 2014 - \$10 Million awarded for 2<sup>nd</sup> Work Plan
  - Completed Schools: Huerta Elementary, Animo Leadership High School, Felton Elementary, Lennox Middle School, Jefferson ORG
  - Still in progress: Buford Elementary – construction started July 5, 2016  
Jefferson Elementary – construction delayed until 2017
  - Removed from program: New Media & Performing Arts HS; Moffett Elementary and Lennox Academy – deferred

# Lennox School District



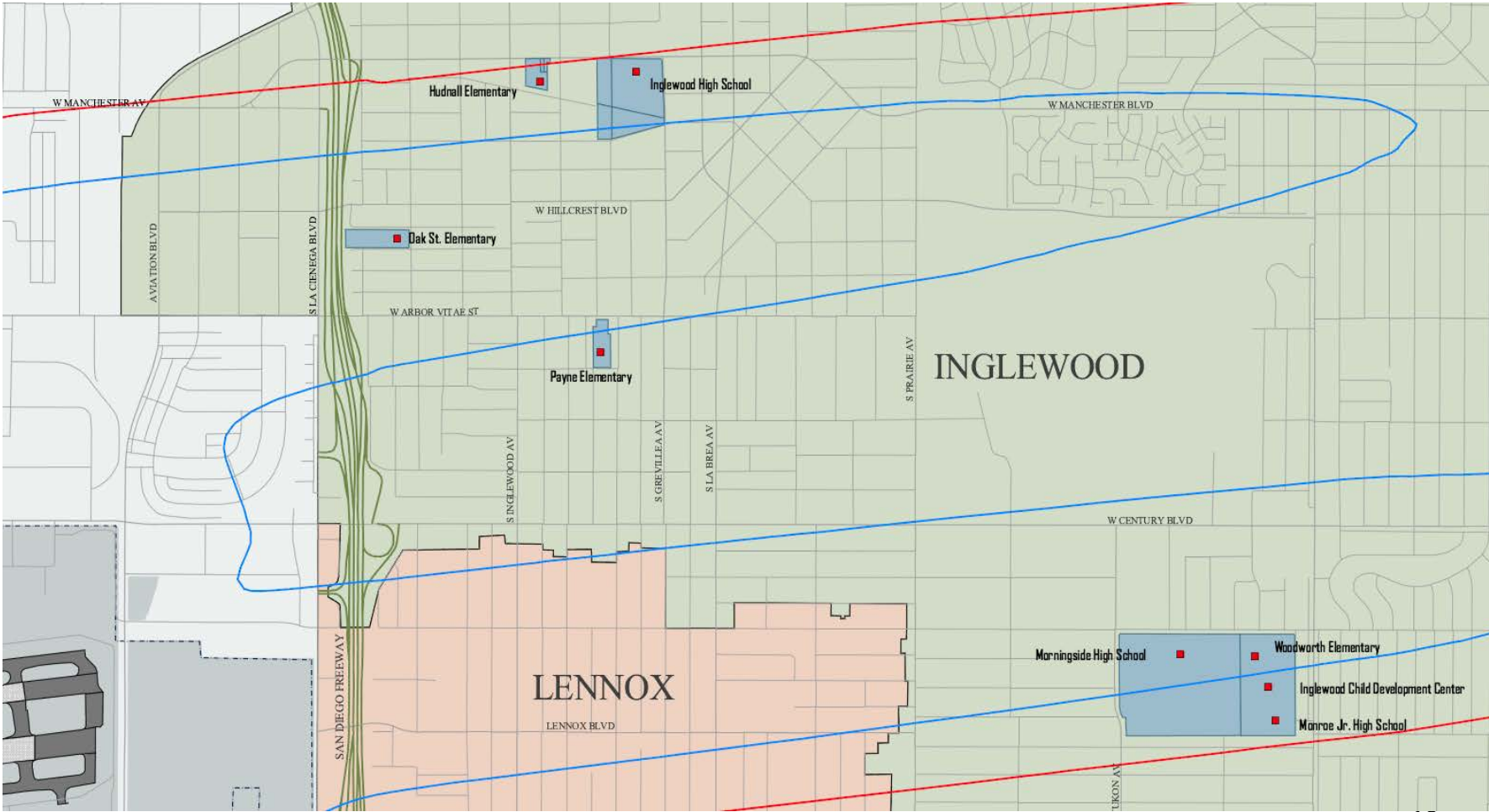


# Inglewood Unified School District

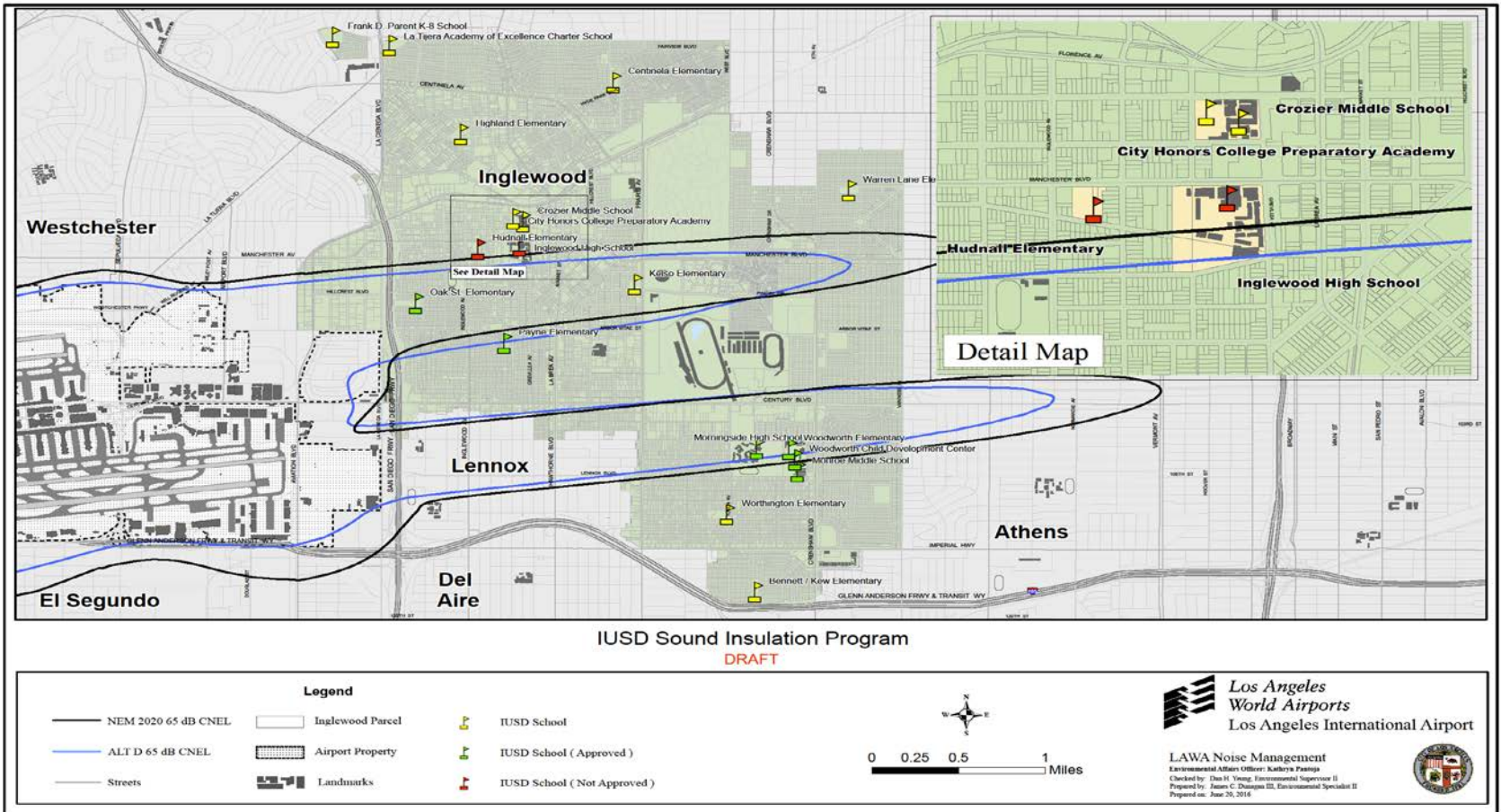
---

- 2014 – PFC: \$44.4 million for 6 schools
  - Payne Elementary, Morningside High, Monroe Middle School, Woodworth Elementary, Woodworth Child Development Center, Oak St. Elementary
- 2015 – \$10 million awarded
- 2016 - IUSD and LAWA working on request to reevaluate inclusion of Inglewood High School which was originally disapproved by FAA

# Inglewood Unified School District



# Inglewood Unified School District



# 2015-6 Highlights for the Sound Insulation Grant Program

---

Dec 2015: LAX-RSI programs sound insulated a record 3,341 homes in 12-months  
Inglewood finished 2,077 homes – most in the country

Oct 2015: New FAA rules for two-step testing went into effect

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

Oct 2015: LAWA released Acoustical Testing Plan (ATP) for use at LAX

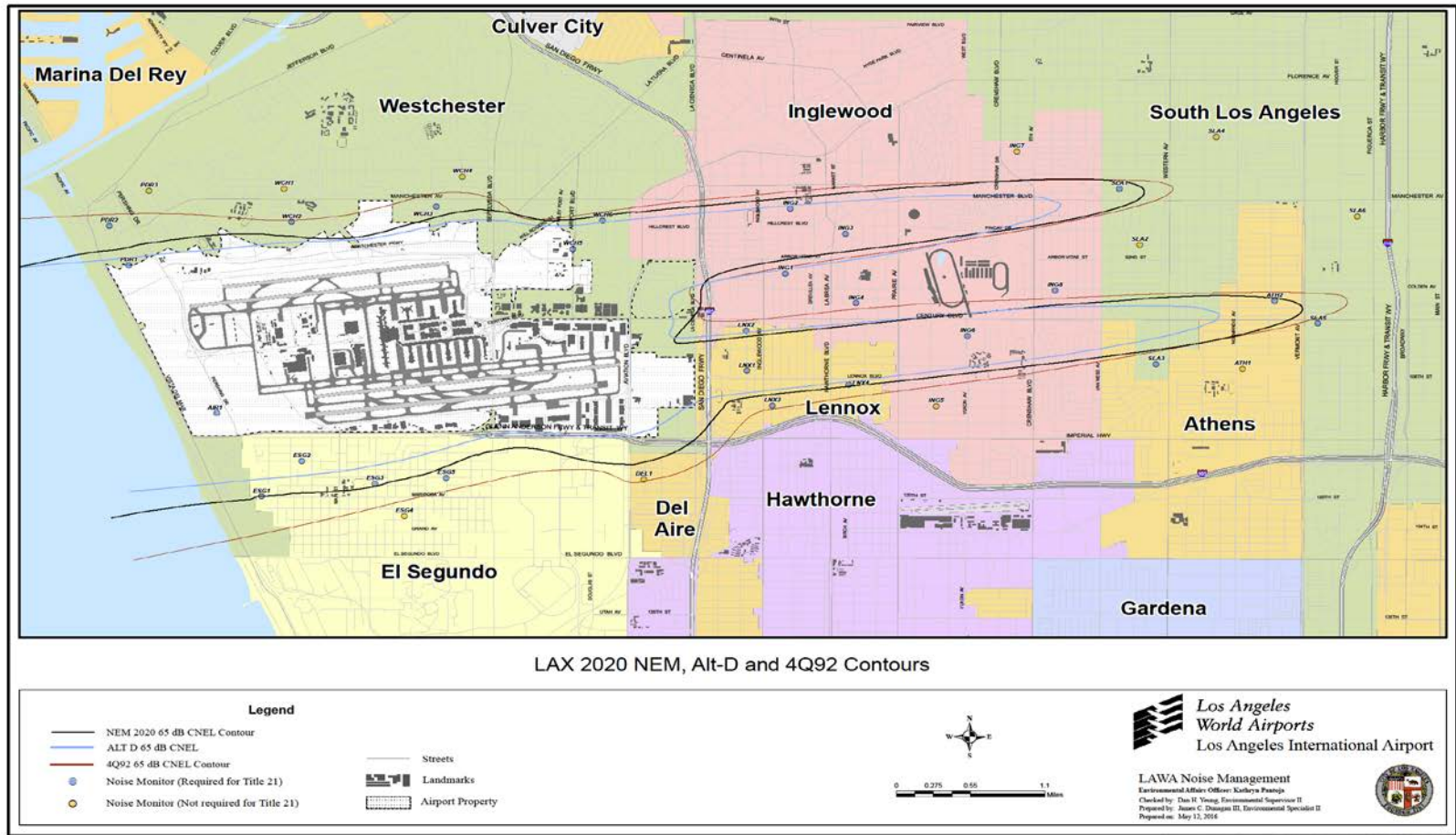
Jan 2016: FAA approved Noise Exposure Maps (NEMs) for use at LAX

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

- Completed previous reporting requirements; Update on remaining funding;  
Provided Outreach plan

June 2016– ATP testing in progress

# Program Boundary – 2020 NEM vs. 4Q92



---

□ END