

# Status Report

# Noise Mitigation Programs

Presentation to the LAX/Community  
Noise Roundtable

July 2015



*Los Angeles  
World Airports*



**Environmental and Land Use Planning**

# Aircraft Sound Insulation Programs at LAX

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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, are generally considered “incompatible” with the airport
- ✈ Los Angeles International Airport (LAX) has an FAA-approved Noise Compatibility Program, 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.

# Program Governance and Funding

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## Stipulated Settlement Agreement (2006-2015)

- Provides up to \$240M in noise mitigation funding for Cities of El Segundo, Inglewood, County of LA
  - Initial disbursement for 2006 and 2007 of \$60M
  - “Future Funding” for 2008 – 2015 has annual cap of \$22.5M shared by 3 jurisdictions; maximum of \$180M over 8 year period

## Community Benefits Agreement (2005-2020)

- Minimum Funding for County of LA and City of Inglewood (\$4.275M for each)
- Other Benefits - end-of-block soundproofing, suspension/purchase of aviation easements ( $\geq 75$  dBL)

# LAWA's Sound Insulation Grant Program 2015 Highlights

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- Funding of \$80 Million Dollars provided over six months to jurisdictions between August 2014 and January 2015
- Sound Insulation Construction in progress for over 2,600 dwelling units in Inglewood, Lennox, Athens, Del Aire and El Segundo
- Oct 1, 2015 – New FAA Rules for Two-Step Testing (PGL 12-09)
  - Home inside 65 dB Contour and interior noise level of 45 dB or greater
  - Release of LAWA's Acoustical Testing Program (Draft Feb 2015, Final June 2015)
  - Provision/Amendment for Acoustical Testing Funds
- 2015/2016 – New Noise Exposure Maps for LAX and ONT Rolls Out
- Funding begins for Inglewood Unified School District's Sound Insulation Program

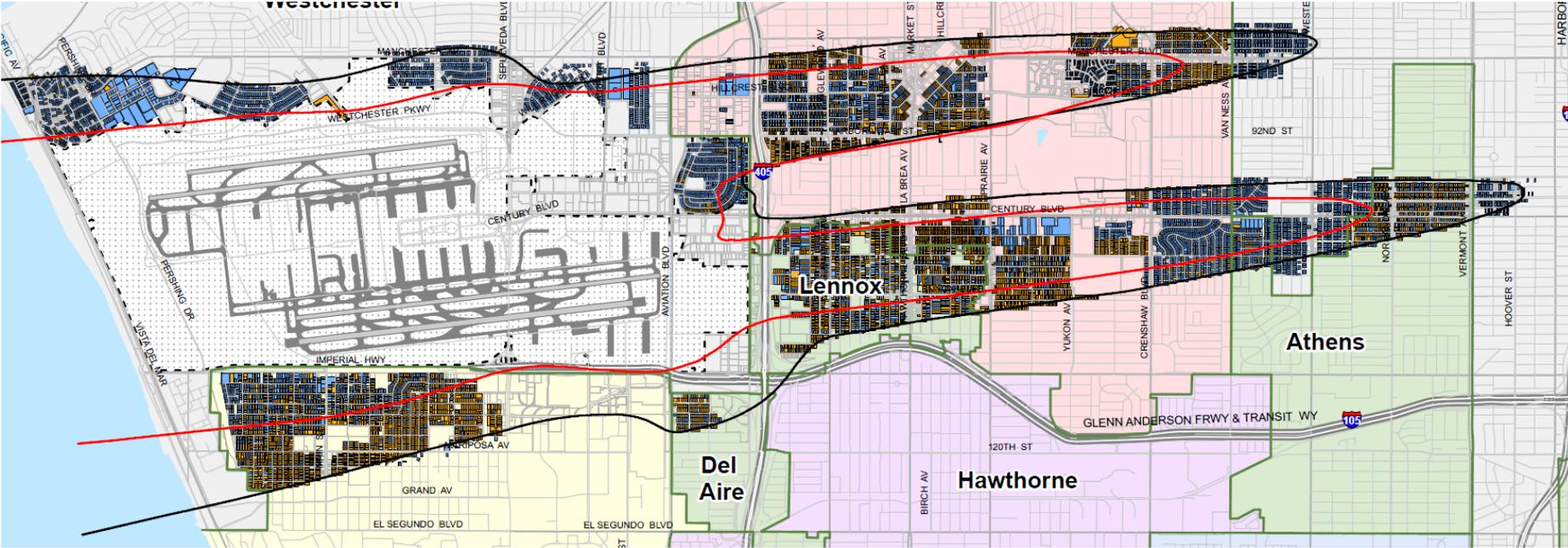
# LAX Program Participants

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## Residential Programs    School Programs

- City of El Segundo
- City of Inglewood
- City of Los Angeles
- County of Los Angeles
- Inglewood Unified School District
- Lennox School District

# LAX Sound Insulation Communities



# How Noise is Mitigated

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## Typical Sound Insulation Techniques:

### Residential:

- Replacing windows, and doors (including hardware and weather-stripping)
- Adding insulation in attics, and installing baffles at attic vents
- Installing glass fireplace doors, and chimney top dampers

### Schools:

- Replacement of doors and 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) with sound traps and vibration control as needed
- Target of 45 dB interior noise level, and/or a 5 dB reduction

# Yearly Progress for LAWA Sound Insulation Programs

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

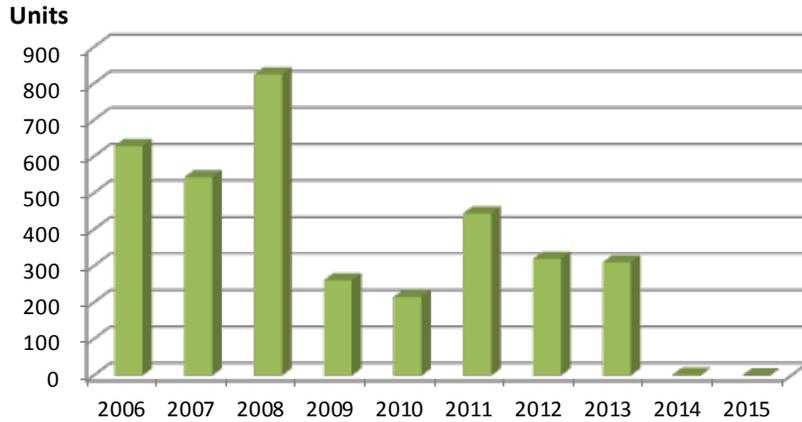
Jurisdiction	Total Units Eligible	Units Completed Pre-2006	Program Production Rates 2006 - 2015										Total Mitigated 2006-2015	All Totals Mitigated Start-2015	Total Units Remaining	Percent of Units Completed
			Total Mitigated													
			2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 <sup>4</sup>				
City of El Segundo	4,537	309	120	204	303	182	112	0	142	172	50	56	1,341	1,650	2,887	36%
City of LA <sup>1</sup>	8,200	3,991	619	523	694	261	215	390	320	310	2	N/A	3,334	7,325	---	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	150	2,459	3,238	2,962	52%
City of Inglewood <sup>2</sup>	9,569	1,763	133	159	1,007	253	195	332	238	580	691	254	3,842	5,605	3,964	59%
City of Ontario <sup>3</sup>	2,418	855	0	35	81	77	32	100	148	106	66	0	645	1,500	918	62%
<b>Totals</b>	<b>31,975</b>	<b>8,262</b>	1,015	1,278	2,438	998	747	1,199	1,035	1,484	1,182	460	11,836	20,098	10,731	63%

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

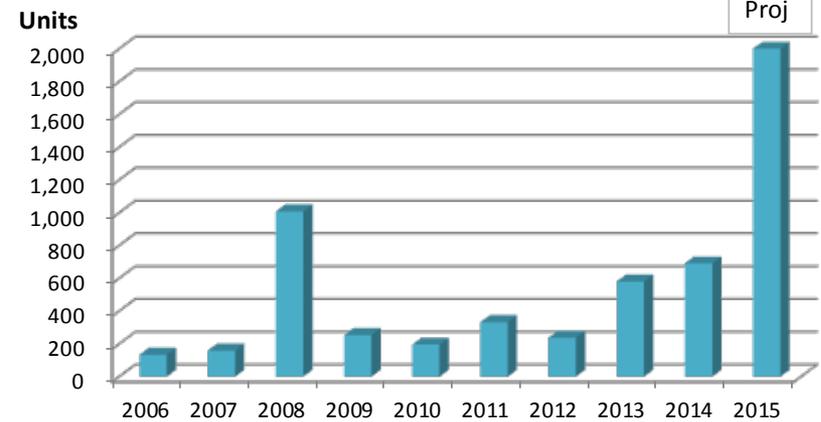
3) Ontario includes FAA Part 150 65 CNEL RSI units; 4) 2015 represents 1st quarter of CY only;

# Annual Production Rates CY2006-15\* for Residential Sound Insulation

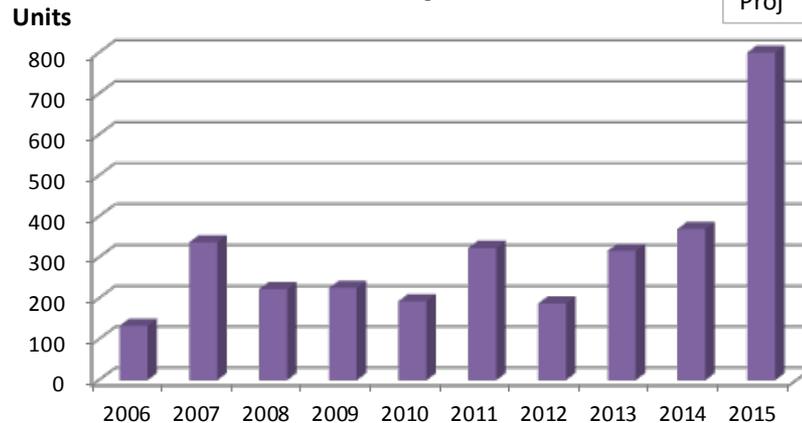
## City of LA- Completed



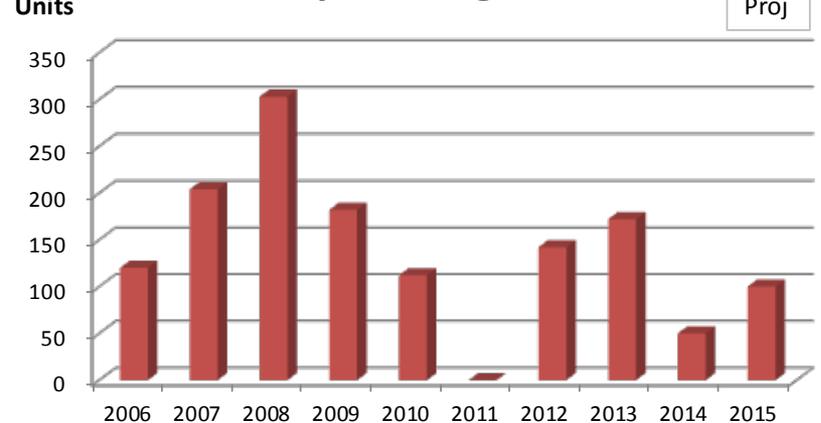
## City of Inglewood



## County of LA



## City of El Segundo



# City of Los Angeles Program Status: 1997-2013

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1997-2013			CY 2013	
Total Funding	Total Units Mitigated	To Be Mitigated	2013 Funding	2013 Units mitigated
\$156,000,000	7,323	877	\$7.7M	310

1) Remaining units reflect declinations, non- participatory

## Recent Actions:

- Program is completed and closed at this time.

# City of El Segundo

## Program Status: 1992-2014

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1992- 2014			CY 2014			
Total Funding	Total Units Mitigated <sup>2</sup>	To Be Mitigated	Total Funding	FAA Funding	LAWA Funding	Units Mitigated
\$104,969,856	1,650	2,887	\$16.2M	\$7M	\$9.2M	50

1) El Segundo began accepting 20% match from LAWA with the signed Stipulated Settlement Agreement in 2006.

2) Units Mitigated as of 1<sup>st</sup> quarter 2015.

### Recent Actions:

- FAA approved extension of seven bid packages for 191 dwelling units to be rebid by the end of Dec. 2015 with construction completed in early 2016.
- El Segundo received \$9.2 million in April of 2014 for GIP 6.

# City of Inglewood

## Program Status: 1985-2014

1985-2014			CY 2014			
Total Funding	Total Units Mitigated <sup>1</sup>	To Be Mitigated	Total Funding	FAA Funding	LAWA Funding	Units Mitigated
\$397,299,510	5,605	3,964	\$28.42M	\$10M	\$18.42M	691

1) Units Mitigated as of 1<sup>st</sup> quarter 2015. 2) total funding reflects ACQ and RSI programs, both FAA and LAWA funds.

### Recent Actions:

- FAA approved an extension on the City's current program till Dec 31, 2015 to finish bid groups already in progress.
- \$18.42M in LAWA grant was provided in November of 2014 for 746 units.
- \$44.3M in LAWA grant was provided in January 2015 for 1,030 units.

# County of Los Angeles Program Status: 1992-2014

1992-2014			CY 2014			
Total Funding	Total Units Mitigated <sup>1</sup>	To Be Mitigated	Total Funding	FAA Funding	LAWA Funding	Units Mitigated
\$150,950,000	3,238	2,962	\$22.9M	\$4.5M	\$18.4M	373

1) Units Mitigated as of 1<sup>st</sup> quarter 2015.

## Recent Actions:

- FAA is in receipt of extension request thru December 2015 from the County.
- \$15.42M in LAWA grant provided in August of 2014 for 624 units.
- \$2.98M in LAWA grant provided in December of 2014 for 71 units.

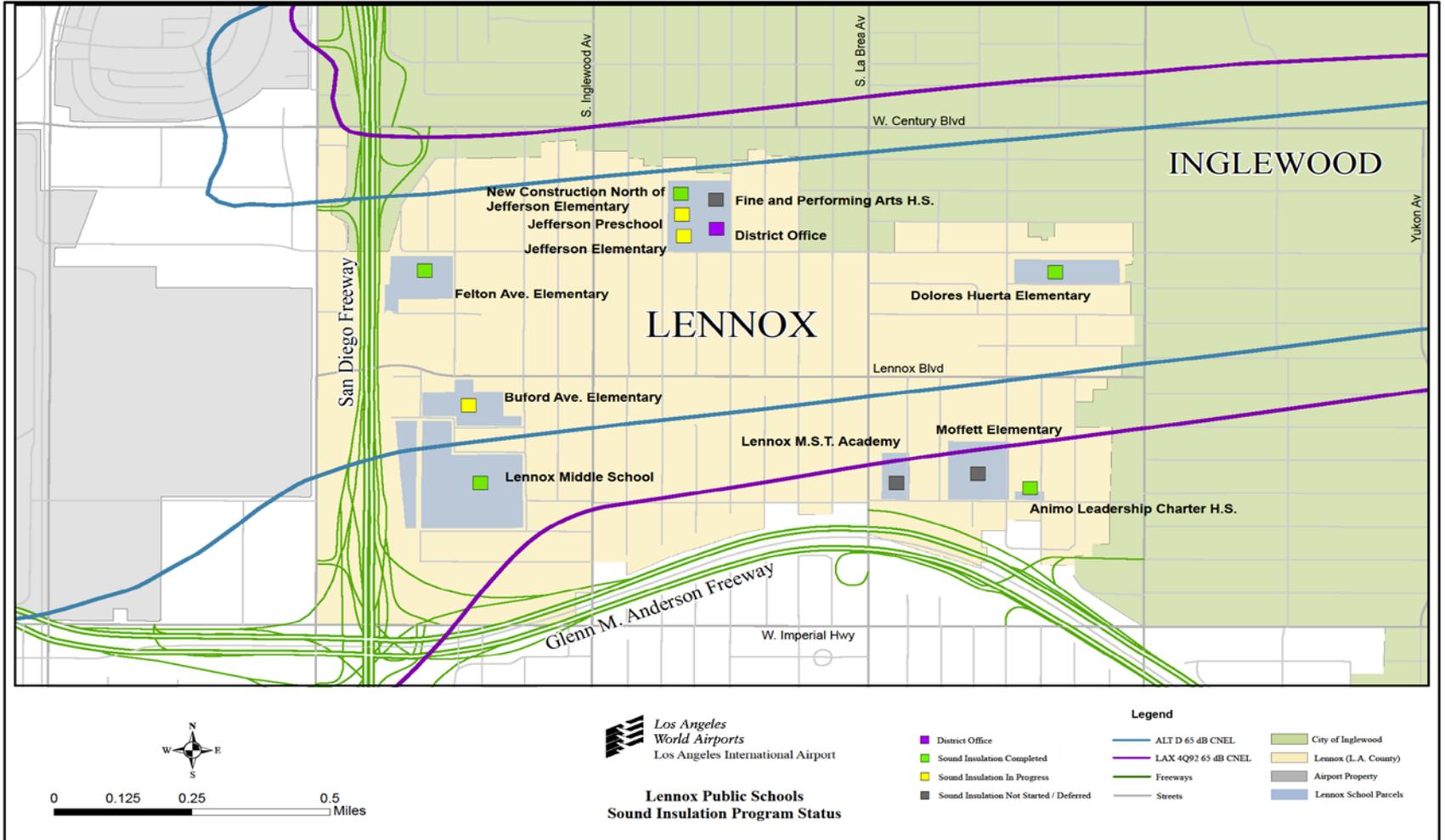
# School Mitigation Programs

## *Lennox School District*

- Per Settlement: 11 Schools and up to \$111 million
- FAA approved a PFC application for 11 Schools, \$35 million
  
- December 2011 \$10 Million; 1<sup>st</sup> Work Plan – 5 Schools
- June 2014: \$10 Million; 2<sup>nd</sup> Work Plan – 4 schools
  
- July 2015: Completed Schools = Huerta Elementary, Animo Leadership High School, Felton Elementary, Lennox Middle School, Jefferson ORG
  - In Progress: Jefferson Elementary, Buford, and Jefferson Pre-School
  
  - Removed: New Media and Performing Arts H.S. – State Law changed, Moffett and Lennox M&S - deferred

# School Mitigation Programs

## *Lennox School District*



# School Mitigation Programs

## *Inglewood Unified School District*

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- ➔ Per Settlement: 10 Schools, Up to \$118 million
- ➔ FAA Approved: \$44.4 Million, 6 schools
- ➔ July/Aug 2015 – \$10 Million, 1<sup>st</sup> Workplan, 3 Schools
- ➔ Schools in Program: Morningside High, Monroe Middle School, Oak St. Elementary, Woodworth Elementary, Woodworth Child Development Center, Payne Elementary

# School Mitigation Programs

## *Inglewood Unified School District*

