LAX Sound Insulation Grant Program

• 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

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

Other Local Jurisdictions
Highlights – Sound Insulation Grant Program

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

Marina Del Rey
Westchester
Culver City
Inglewood
South Los Angeles
Lennox
Athens
Del Aire
Hawthorne
Gardena
El Segundo
Typical Sound Insulation (SI) Treatments

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

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

<table>
<thead>
<tr>
<th>Jurisdiction</th>
<th>Total Grants Awarded</th>
<th>Units Mitigated* (4Q92 &amp; Alt D 65 Contours)</th>
<th>Units Projected to Participate (2020 NEM)</th>
<th>Units Mitigated (2020 NEM)</th>
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<tbody>
<tr>
<td>City of Los Angeles</td>
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<td><strong>5,010</strong></td>
<td><strong>461</strong></td>
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</tbody>
</table>

* 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 1st Work Plan

• 2014 – LAX awarded $10 Million for 2nd 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

Legend:
- District Office
- Sound Insulation Completed
- Sound Insulation in Progress
- Sound Insulation Not Served/Deferred
- Freeways
- Streets

Los Angeles World Airports
Los Angeles International Airport

Lennox Public Schools
Sound Insulation Program Status

City of Inglewood
Lennox (C.A. County)
Airport Property
Lennox School District

mapped area:
- New Construction North of Jefferson Elementary
- Jefferson Elementary
- Jefferson Preschool
- Fine and Performing Arts H.S.
- District Office
- Dolores Huerta Elementary
- Lennox Boulevard
- Lennox Middle School
- Lennox M.S.T. Academy
- Mollett Elementary
- Animo Leadership Charter H.S.
- Glenn M. Anderson Freeway
- San Diego Freeway
- W. Imperial Hwy
- W. Century Blvd
• 2014 – FAA approved LAX PFC funding: 6 schools and $44.4 Million

• 2015 – LAX awarded $10 Million for 1st 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
Questions?

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