Status Report
Noise Mitigation Programs

Presentation to the LAX/Community Noise Roundtable

May 9, 2012
Aircraft Noise Mitigation 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, which makes certain residential areas eligible for FAA funding.

- LAWA also provides supplemental funding for the residential programs, and certain school mitigation efforts.
How Noise is Mitigated

Typical Sound Insulation Techniques:

- 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
- Installing and/or improvements to HVAC systems, as appropriate
- Target of 45 dB interior noise level, and/or a 5 dB reduction

Typical Residential Acquisition:

- Purchase properties in areas zoned for commercial or industrial uses
- Redevelop parcels per local planning and zoning
- The Cities of Los Angeles and Inglewood have acquisition programs
- El Segundo and the County of Los Angeles do not
## LAX Program Participants

<table>
<thead>
<tr>
<th>Residential Programs</th>
<th>School Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>➔ City of El Segundo</td>
<td>➔ Inglewood Unified School District</td>
</tr>
<tr>
<td>➔ City of Inglewood</td>
<td>➔ Lennox School District</td>
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Program Governance and Funding

Federal - Aviation Noise and Safety Act (ANSA) - (1979). Federal Funding from Airport Improvement Program (AIP) funds for Noise Compatibility Programs


City of Los Angeles - BOAC Resolution No. 21481 - (2001) Provides supplemental funding and guidelines to FAA-approved grants for Noise Compatibility Programs. Funding may be provided by Passenger Facility Charges (PFCs)
Program Governance and Funding


Provide up to $240M in noise mitigation funding (Cities of El Segundo, Inglewood, County of LA)

Initial disbursement for 2006 and 2007 fixed

- City of El Segundo: $7.45M Each Year
- County of Los Angeles: $15M in 2006 and $5.6M in 2007
- City of Inglewood: $12.25M Each Year

“Future Funding” for 2008 – 2015

- Annual funding CAP: $22.5M shared by 3 jurisdictions
- Maximum $180M over 8 year period
- Share of annual funds based on ratio of impacted residences over total (no one jurisdiction > 41%)
  - El Segundo share: $5.58M
  - County of LA share: $7.71M
  - Inglewood share: $9.21M
Other benefits directly related to noise mitigation:

- End-of-block soundproofing

- Suspension of avigation easements

- Purchase of noise easements for properties located in the ≥75dB CNEL noise contour

- Traditional Places of Worship
Minimum funding for LA County and City of Inglewood
- $4.275M - LA County
- $4.275M - Inglewood


Other benefits directly related to noise mitigation:
- End-of-block soundproofing
- Suspension of avigation easements
- Places of Worship
City of El Segundo
# City of El Segundo
## Program Status: 1993-2012

<table>
<thead>
<tr>
<th>Total Funding</th>
<th>Total Units Mitigated</th>
<th>To Be Mitigated</th>
<th>2009-2011 Funding</th>
<th>2009-2011 FAA Funding</th>
<th>2009-2011 LAWA Funding</th>
<th>Units mitigated 2009-2011</th>
<th>Average Cost/per unit **</th>
</tr>
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<tr>
<td>$73,007,558</td>
<td>1,030</td>
<td>3,507</td>
<td>$18,377,845</td>
<td>$12,790,245</td>
<td>$5,597,500</td>
<td>294</td>
<td>$62,510</td>
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</table>

* El Segundo began accepting 20% match from LAWA with the signed Stipulated Settlement Agreement in 2006.
** This figure is based on the amount of funding provided divided by the number of units mitigated, and may not accurately reflect actual per unit costs.

**Recent Action:**

- $5.6 million in LAWA funding provided in August 2011 combined w/FAA funds of $12 million for 406 units.
City of Los Angeles
Council District No. 11
City of Los Angeles
Council District No. 8
City of Los Angeles
Program Status: 1997-2012

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<tr>
<th>Total Funding</th>
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<th>2009-2011 Funding*</th>
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<tr>
<td>$148,000,000</td>
<td>7,342</td>
<td>380</td>
<td>$16,940,767</td>
<td>781</td>
<td>$21,691</td>
</tr>
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</table>

* Reflects construction costs plus 20% for administration

** This figure is based on the amount of funding provided divided by the number of units mitigated, and may not accurately reflect actual per unit costs.

Recent Actions:
- $1.3 million funding provided for 56 units in CD 11 in May 2012.
- Funding of $1.2 million funding provided in November 2011 for 57 units in CD 8.
City of Inglewood
**City of Inglewood**

**Program Status: 1992-2012**

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<tr>
<td>$182,719,402</td>
<td>4,000</td>
<td>4,700</td>
<td>$49,200,000</td>
<td>$40,000,000</td>
<td>$9,200,000</td>
<td>723</td>
<td>$68,050</td>
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** This figure is based on the amount of funding provided divided by the number of units mitigated, and may not accurately reflect actual per unit costs.

**Recent Actions:**

- LAWA is working with City of Inglewood to reconcile findings from the 2010 audit in order to facilitate additional program funding.
County of Los Angeles
Neighborhood of Lennox

County of Los Angeles Residential Sound Insulation Program
Grant Implementation Plan - Phase 9
Figure 1 Aircraft Noise Mitigation Strategy (Lennox)
County of Los Angeles
Neighborhood of Athens

County of Los Angeles Residential Sound Insulation Program
Grant Implementation Plan - Phase 9
Figure 2 Aircraft Noise Mitigation Strategy (Athens)
County of Los Angeles
Program Status: 1992-2012

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<td>$94,600,000</td>
<td>2,038</td>
<td>5,358</td>
<td>$22,500,000</td>
<td>$15,000,000</td>
<td>$7,500,000</td>
<td>774</td>
<td>$29,070</td>
</tr>
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** Note: Per unit costs are based on the amount of funding provided divided by the number of units mitigated, and may not accurately reflect actual per unit costs.

**Recent Actions:**

- $7,500,000 ‘LAWA only’ grant provided in November of 2011 for 159 units
School Mitigation Programs

Lennox School Districts
School Mitigation Programs
Lennox School Districts

- Per Settlement
  - 13 Schools
  - Up to $111,000,000
- FAA has approved a PFC application for $35 million
- December 2010 $1.2 Million
  - Huerta Middle School
- December 2011 $10 Million
  - 1st Year Program
  - Felton Elementary, Animo High School, Lennox Middle School, New school construction north of Jefferson
School Mitigation Programs
Inglewood Unified School Districts
School Mitigation Programs
Inglewood Unified School Districts

- Per Settlement
  - 10 Schools
  - Up to $118,000,000

- No funding received to date

- PFC application has not yet been submitted to FAA
  - LAWA working with IUSD and FAA to complete application
Questions?