2016 UC Davis Aviation Noise and Air Quality Symposium
Palm Springs – 2/28-3/2

Summary
UC Davis Symposium Program

Provides optional one day of fundamental training in Aviation noise and air quality issues

3 Days of programs

Broad Range of Participants

- 30 Airports, 3 FAA, 2 airspace authorities
- 3 Airlines (Delta, Alaska, Air Canada), Boeing
- Vendors (Brüel & Kjær..)
- Consultants
- Cities & Community groups, (a few)

Predominately Domestic, some International.
Program Topics

Keynote - Erik Lindbergh, Electric flight
Lessons From Phoenix.
Effective Community Involvement.
Community Involvement Planning For Air Traffic Changes.
Communication Is Key - What Data To Share And How?
Quantifying The Environmental Benefits Of PBN Procedures.
Navigating Changes ( More PBN)
Lessons From Airspace in France, Uk, Canada.
Legislative Update.
City of Phoenix Lessons Learned

Recognized a crisis.
“50 year effort to manage land use to protect economic engine and it was broken overnight.”
Took action quickly.

- Recognized they were dealing with a 'Crisis'
  - Organized opposition
  - Sustained and growing opposition
  - Hyper-sensitivity beyond the areas directly affected
- Took action quickly...but not too quickly
  - Urgent desire among elected officials to do something
  - Airport staff wisely paused to develop an outreach plan
- City assumed a leadership position
  - Speak on behalf of the community
  - Represent the community’s concerns
Mapping NextGen Metroplex

Clarify obscured impacts from flight path changes

3250 people will be exposed to an increase of 4 dB DNL.

<table>
<thead>
<tr>
<th># Impacted</th>
<th>Percent</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,515,658</td>
<td>39%</td>
<td>Quieter</td>
</tr>
<tr>
<td>3,088,078</td>
<td>16%</td>
<td>The same</td>
</tr>
<tr>
<td>8,655,337</td>
<td>45%</td>
<td>Louder</td>
</tr>
</tbody>
</table>
“We, at Delta Air Lines, understand our responsibility to minimize our impact on the environment and to conduct our operations in an environmentally sustainable manner. All of Delta‘s senior leaders, employees, and contractors will be accountable for
DFW's ACA - Carbon Footprint

ACA Accredited Airports

151 Accredited Airports worldwide represents 7% of ACI member airports as of March 2016.

46 Accredited Airports worldwide at Level 3 and 3+ represents 2% of ACI member airports as of March 2016.

Level 3+ Offsetting own Scope 1&2 emissions

Level 3 Engaging others and measuring their emissions

Level 2 Managing and reducing footprint

Level 1 Carbon footprint

2015 Carbon Footprint

DFW Airport Controlled Sources

- Facilities 14%
- Vehicles 14%
- Purchased Electricity 71%
- Fire Training 1%
- Business Travel 0.2%

143,950 Metric Tons Carbon Dioxide Equivalent Emissions
Lesson Learned

Heard how other airport areas are addressing and resolving conflicts.
Connect with other groups and vendors.
Learned about Sustainability efforts with Airports and Airlines.
All presentation slides to be on UC Davis website
https://sites.google.com/site/ucdavisaviation/