So Cal Metroplex EA Study Area
What’s this about?

- “…Improve the efficiency of airspace …. at 21 airports.”
- “…may involve changes in … flight paths and altitudes … but would not result in … ground disturbance or increase the # of (flights).”

- FAA’s Goals:
  - Optimize flight paths and climb/descent
  - RNAV (more narrow, repeatable tracks) “everywhere” and
  - RNP (required navigation performance – most detailed) “where beneficial”
Terms to Know

- ADS-B (automatic dependent surveillance broadcast, a replacement for secondary radar).
- EA (Environmental Assessment following the rules of NEPA [the National Environmental Protection Act – state equivalent is CEQA])
- NextGen (next generation of flight technology)
- OAPM (optimization of airspace and performance in the metroplex)
- RNAV (area navigation)
- RNP (required navigational performance)
- SID (Standard Instrument Departure)
- STREL (both a point offshore and a departure path leading to that point)
- TOING (a point now near the Newport Dunes and NMS 7)
RNAV and RNP

Current Ground NAVAIDs

Limited Design Flexibility

RNAV

Increased Airspace Efficiency

Waypoints

RNP

Seamless Vertical Path

“Curved” Paths

Highly Optimized Use of Airspace
Questions We’ve Heard

- Are flight paths being moved over my home?
  - FAA’s goal = no new areas affected.
- What if I live under the proposed narrowing of the flight paths?
  - More of the flights will go over your home.
- Can we stop this?
  - Very challenging – NextGen is a nationwide effort for:
    - Safety
    - Efficiency
    - Repeatability
    - Maximization of congested airspaces
Please know...

- Our ability to provide meaningful input is limited.
  - This is a Congressionally-driven process w/FAA
- The EA itself is not the most clear or helpful document.
- City will offer comments – primarily technical.
- You and your association should consider responding by September 8th, 2015.
  - Email to: 9-ANM-SoCalOAPM@faa.gov
  - Snail mail to:
    - SoCal Metroplex EA
      Federal Aviation Administration
      Western Service Center - Operations Support Group
      1601 Lind Avenue SW
      Renton, WA 98057
Our Concerns

- The EA isn’t robust – and shows limited detail so far (see maps)
- We want to be heard and to have our colleagues at JWA at the table.
- We’re not sure …
  - If the new STREL waypoint is fly-over or fly-by.
  - What the overall departure path to the STREL will be.
  - If a 2-turn path in the UNB will or should be considered.
- NextGen generally
  - Fewer neighborhoods affected, but
  - Those neighborhoods affected more intensely.
  - There is no formal city policy about narrowing or fanning — Policy A-17 is to minimize the impact of JWA operations on the quality of life of Newport Beach residents
MAP EXAMPLES

Next Gen, EA for Southern CA Metroplex
SNA STREL3 SID RY20; Proposed PIGGN SID

Aircraft may be RADAR vectored to DANAH or PIGGN
SNA MUSEL7 SID; Proposed FINZZ SID
CLOSE UP VIEW
SNA CHANL SID (Old)
SNA HAYLO SID (New)
Close up view

CURRENT
PROPOSED
FLT TRACK
Q&A

Next Gen, EA for Southern CA Metroplex