



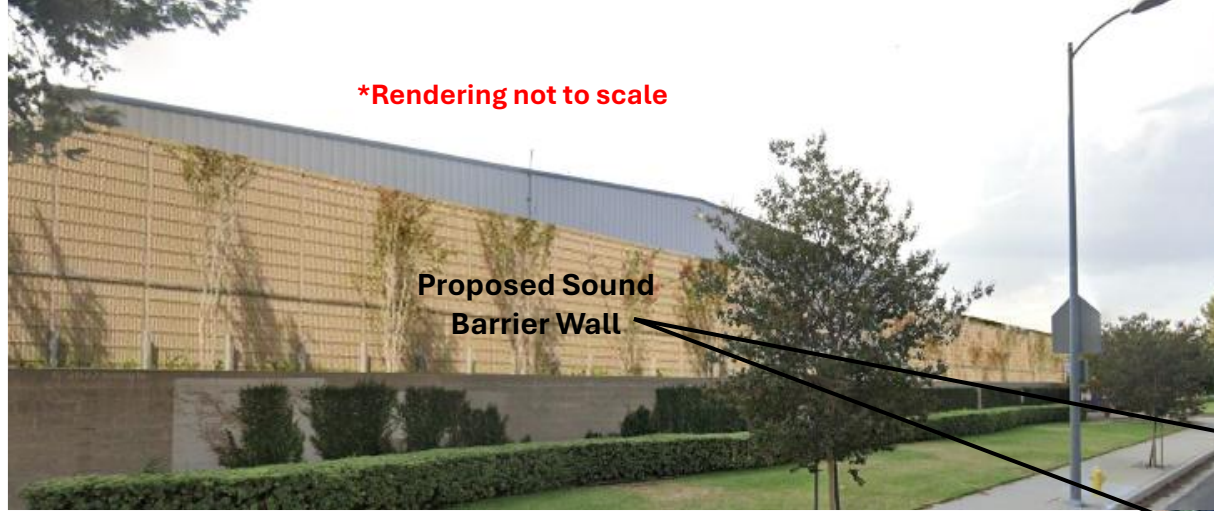
# Opportunities to Reduce Noise & Emission Impacts on Residential Neighbors

Jun 3, 2025





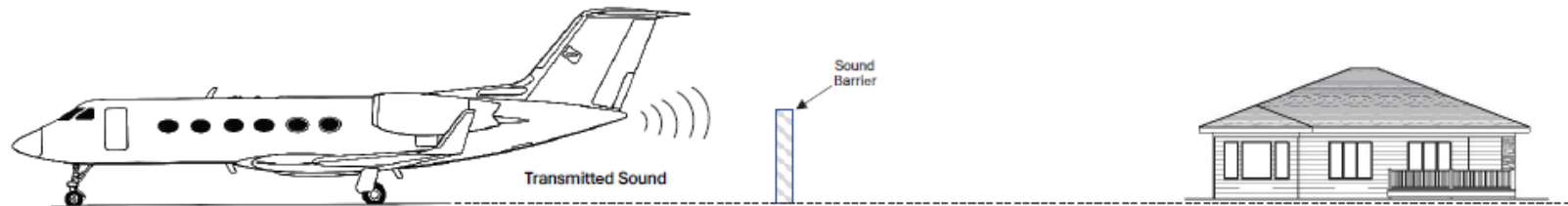
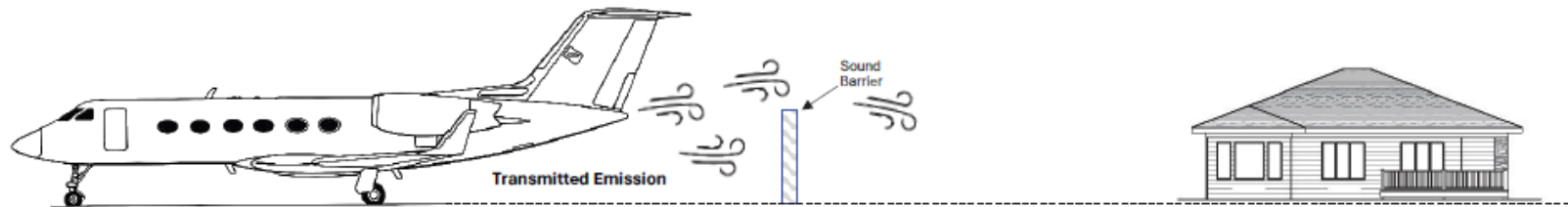
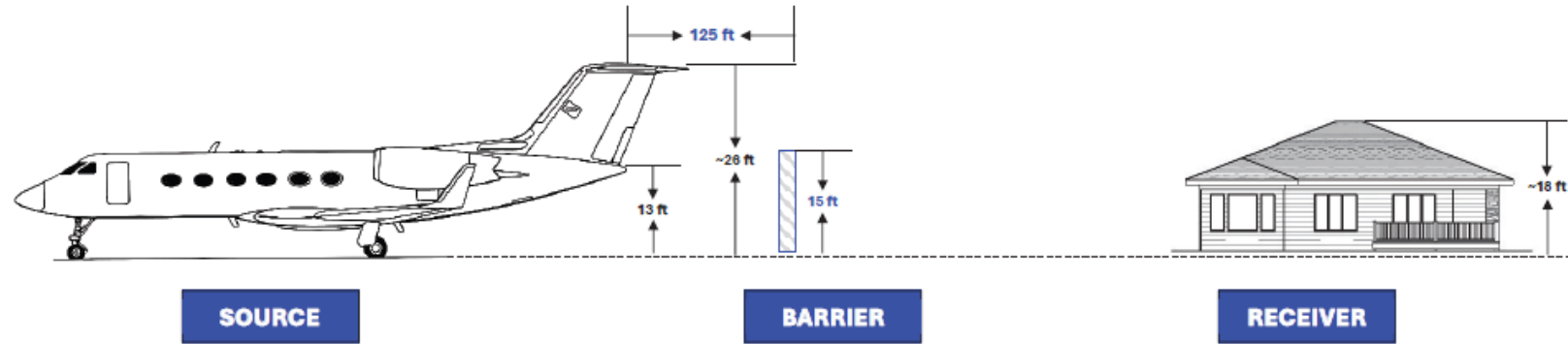
# Previously proposed Solution – Sound Barrier Wall



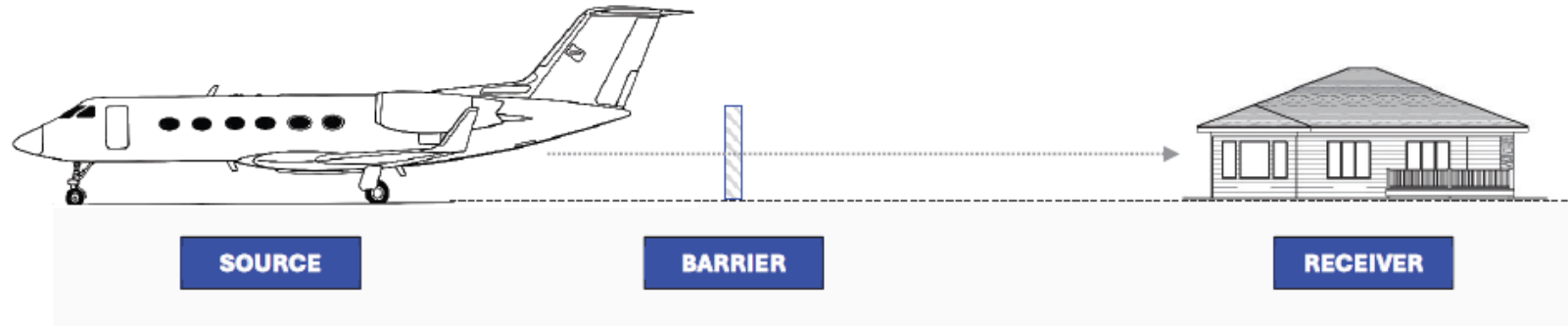
**PROPOSED SOUND BARRIER  
WALL ALONG HAYVENHURST AVE.**



# SOUND-ABSORPTIVE NOISE BARRIER SYSTEM

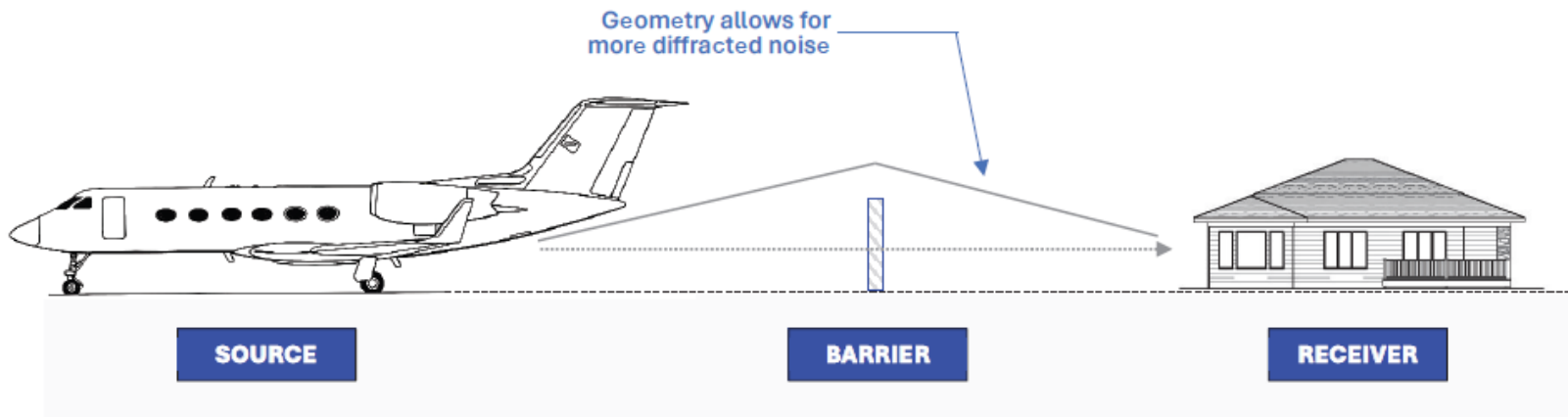


# SOUND BARRIER WALL LOCATION & EFFECTIVENESS



Barrier closer to source

**Best**

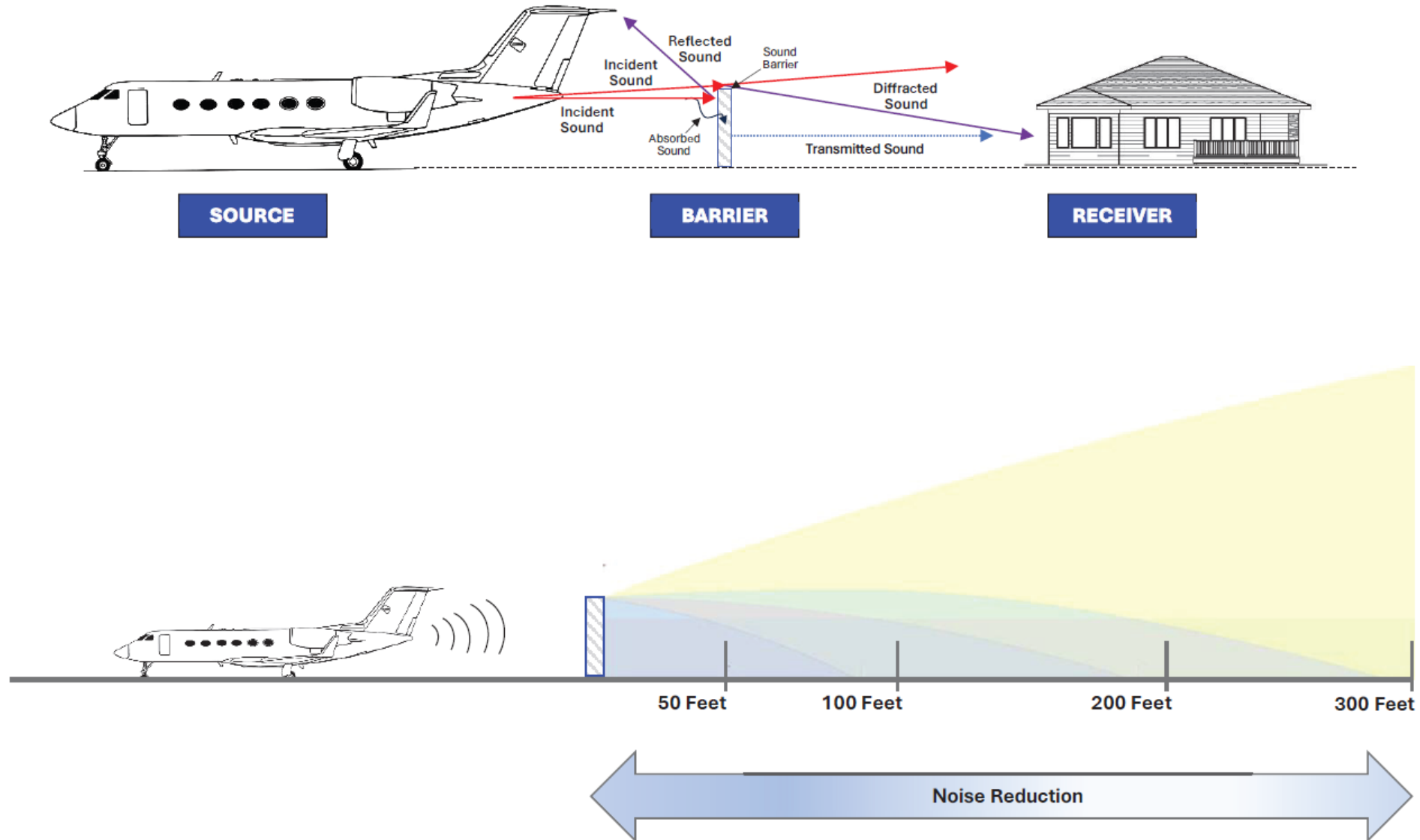


Barrier further from source

**Poor**



# NOISE REDUCTION & DIFFRACTED SOUND



# PLANNING

A proposed wall measuring 1,800 linear feet in length and 15 feet in height will require several key evaluations and approvals from the City of Los Angeles:

- **Geotechnical Study:** A geotechnical analysis is necessary to determine soil foundation support capacity, particularly given the proximity to an existing 8-foot structure.
- **Design Requirements:** The City of Los Angeles will require professionally stamped and engineered plans due to the scale and height of the proposed wall.
- **Plan Submittal – Environmental Review:** Based on preliminary assessment, the wall is not expected to yield a measurable air emissions benefit.
- **Zoning and Variance:** It is currently unclear whether a variance will be required for a 15-foot-high wall. While the airport is zoned for industrial use, walls of this height are not typical and may require additional review.
- **Estimated Timing:** 12-14 months excluding the unknown variance

# FINDINGS

## Sound Barrier Wall Effectiveness:

- Noise Reduction: Minimal benefit for mitigating issues
- Emissions: No Benefit
- **Noise travels in waves**, not straight lines, **sounds can and do go over the walls**. Even with barriers standing 15 feet, homes several blocks away will hear source noise.
- **Four Keys** to an Effective Sound Barrier System: **HEIGHT, PROXIMITY** to Source, Barrier **MATERIAL**, and Barrier **CONSTRUCTION**.
  - As a rule of thumb, the closer, taller, and thicker a barrier becomes, the more sound it will block, the further away the wall the effectiveness diminishes.
- Proposed wall distance from Source (aircraft) or Receiver (homes) too great to be effective.

# A Golden Opportunity

## Community Feedback:

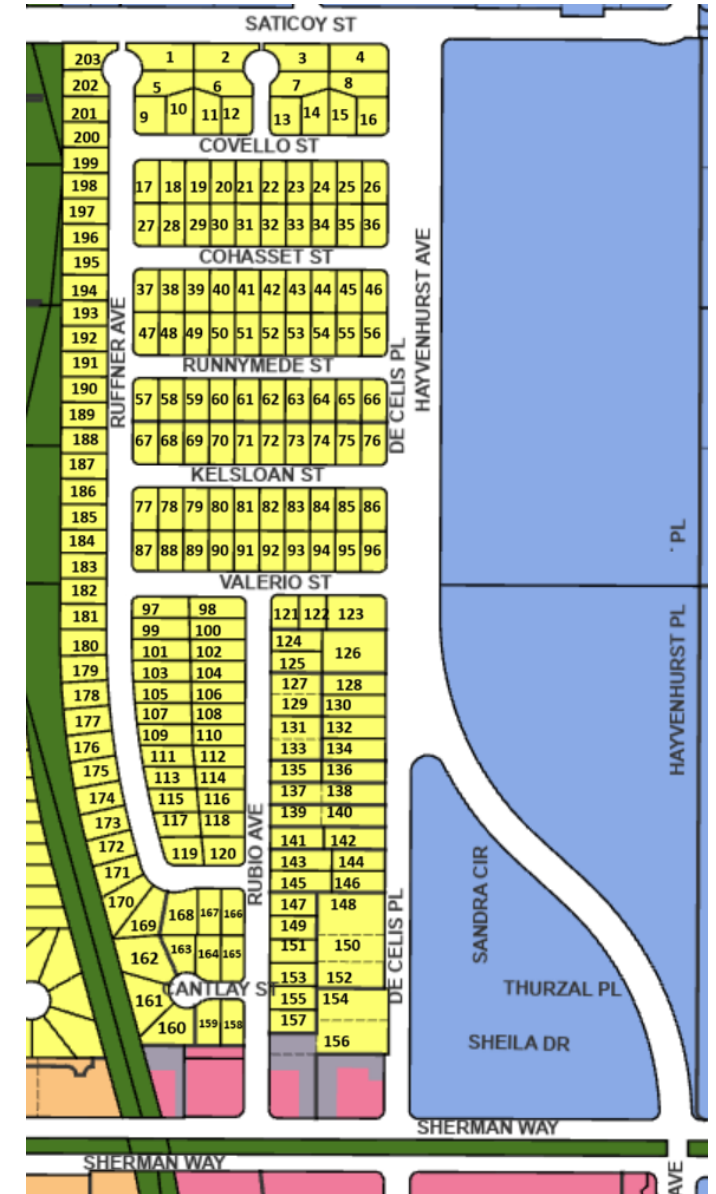
- Approximately 200 single-family homes to the west of VNY have called for a sound and emission solution along Hayvenhurst Ave.

## 2022-2025

- The VNY Vision Study provided an opportunity for community feedback on airport land uses
- One idea advanced was to move VNY's aeronautical land uses away from single-family homes
- An RFP to continue with a hotel concession on the land currently occupied by the Airtel Plaza Hotel was unsuccessful, even after more than a year of lease negotiations – providing an unexpected opportunity to make an impactful land use change

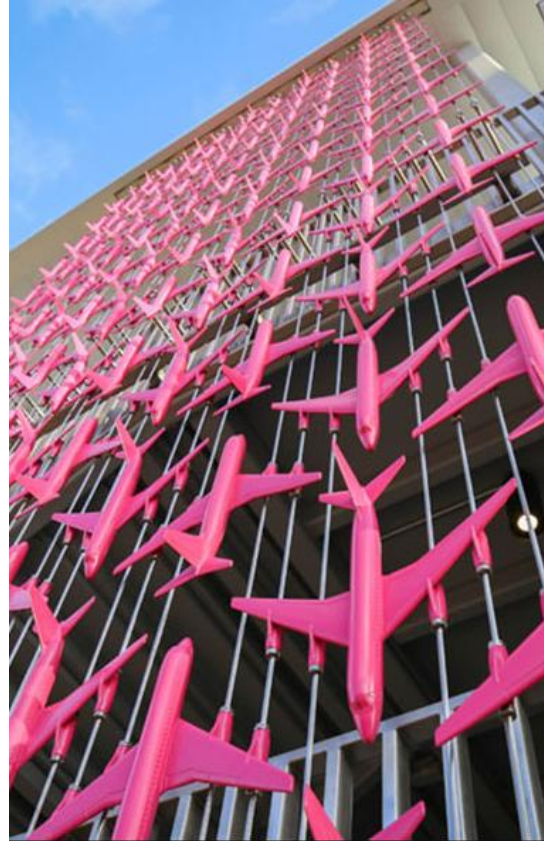
## 2025

- LAWA proposes an innovative solution to substantially reduce emissions and sound by swapping aviation and commercial land uses





# Proposed Solution – Land Use Swap



- Department of City Planning and LAWA will relocate existing parcels to more compatible areas of the airfield
- Process will move aeronautical tenants to an industrial area away from the neighborhood and place a commercial building as a buffer between single-family homes and the airfield.
- LAWA will effectuate this swap through an expedited environmental and RFP process
- New commercial building can house VNY administrative staff, retail, observation deck, arts and community spaces

EXAMPLES: (L): AVION, a business park adjacent to the Burbank Bob Hope Airport  
(R) Flight inspired art installation at the San Diego International Airport

# Land Use Swap Parcels

**Western Parcel**



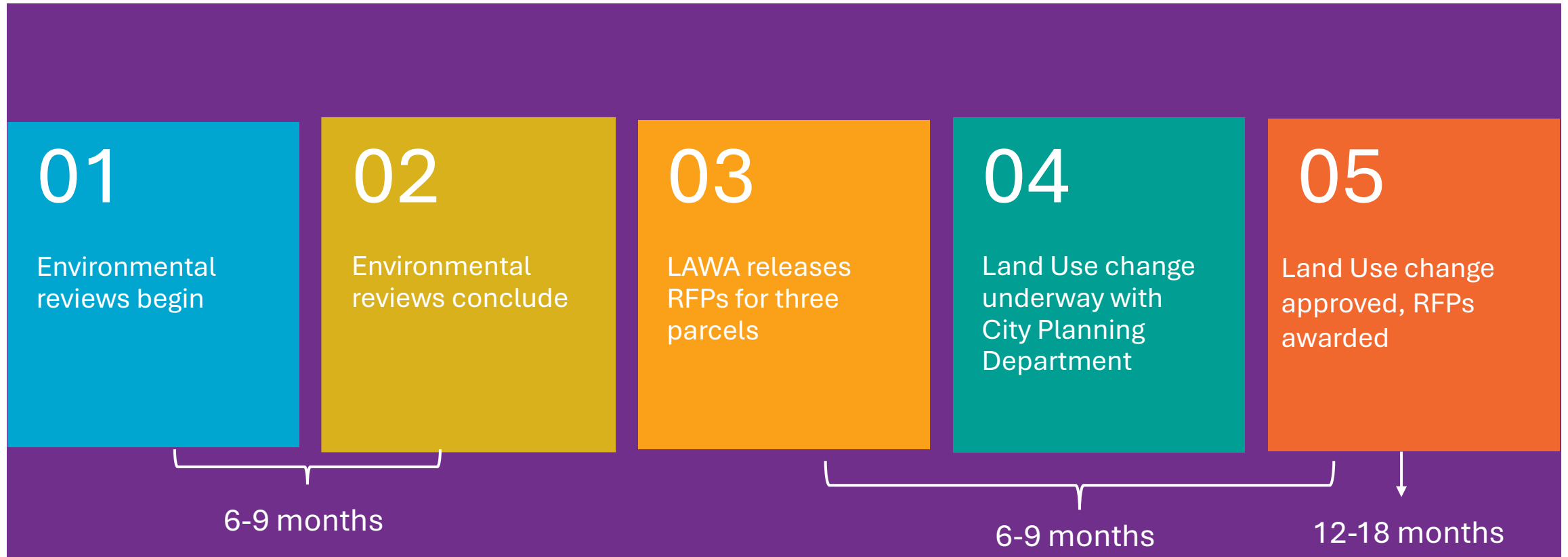
**Southwest Parcel**



**Eastern Parcel**



# Swap Timeline: 12-18 months



# A Community-Driven Vision



## COMMUNITY-DRIVEN

This solution is a community-driven effort to reduce noise and emissions



## MODERN

VNY is modernizing to conform to regional aviation needs *and* local community values



## COLLABORATIVE

Collaboration with city agencies and stakeholders is guiding this long-term sustainability effort



## TRANSPARENT

VNY will do community outreach and engagement to shape and effectuate these changes



# Thank you

