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# **Van Nuys Airport Noise Monitor Changes**

VNY Citizens Advisory Council Meeting  
August 5, 2014

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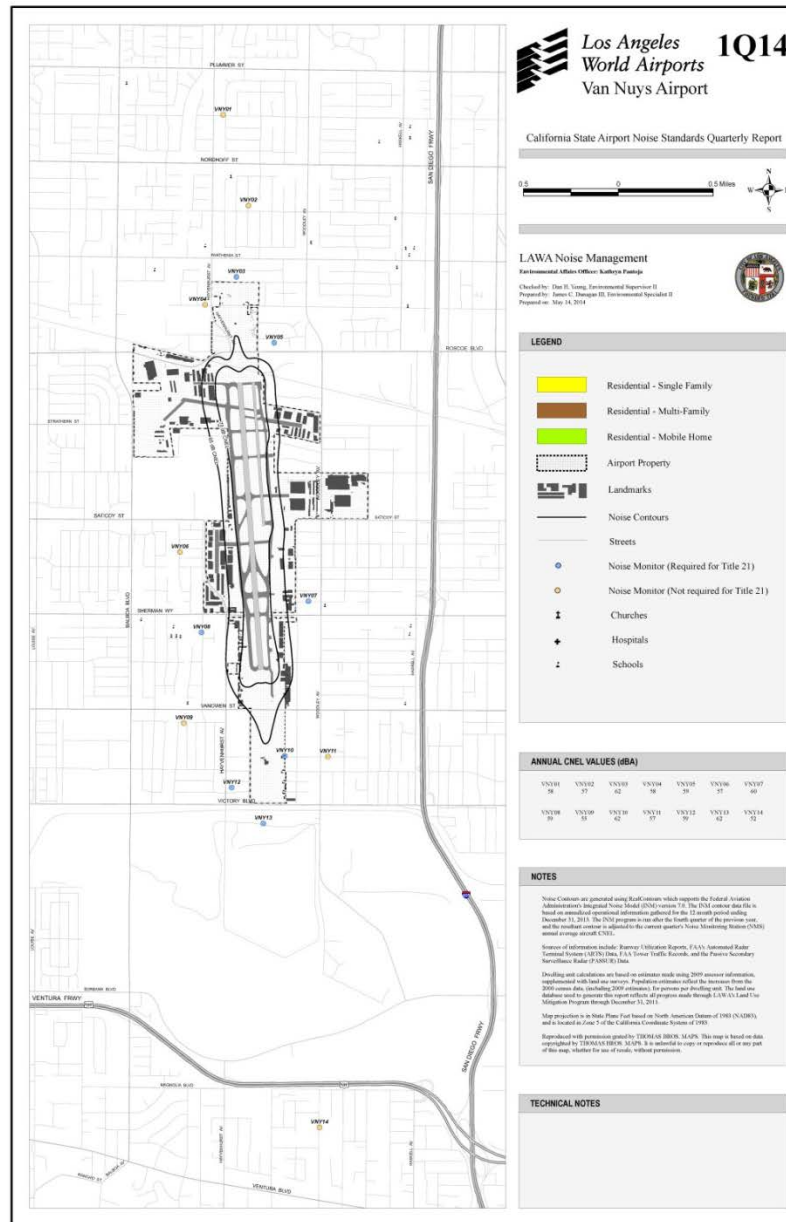
# Current Noise Monitors (14)

## Original Monitors:

VNY03  
 VNY05  
 VNY07  
 VNY08  
 VNY10  
 VNY12  
 VNY13

## Monitors Added in 2008:

VNY01  
 VNY02  
 VNY04  
 VNY06  
 VNY09  
 VNY11  
 VNY14



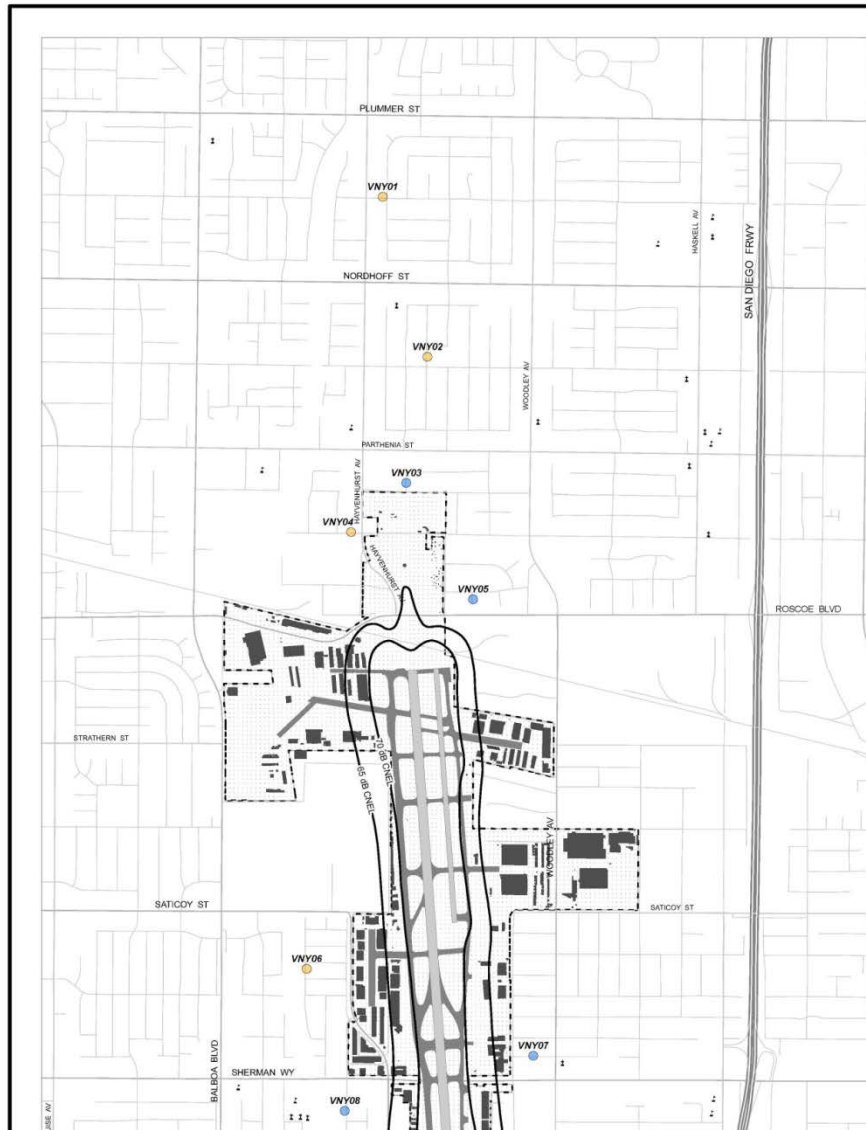
# Noise Monitor Changes

## Retaining Sites:

VNY03  
VNY05  
VNY07  
VNY08

## Removing Sites:

VNY01  
VNY02  
VNY04  
VNY06



Los Angeles  
World Airports  
Van Nuys Airport

1Q14

California State Airport Noise Standards Quarterly Report



LAWA Noise Management

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Prepared on: May 14, 2014



### LEGEND

-  Residential - Single Family
-  Residential - Multi-Family
-  Residential - Mobile Home
-  Airport Property
-  Landmarks
-  Noise Contours
-  Streets
-  Noise Monitor (Required for Title 21)
-  Noise Monitor (Not required for Title 21)
-  Churches
-  Hospitals

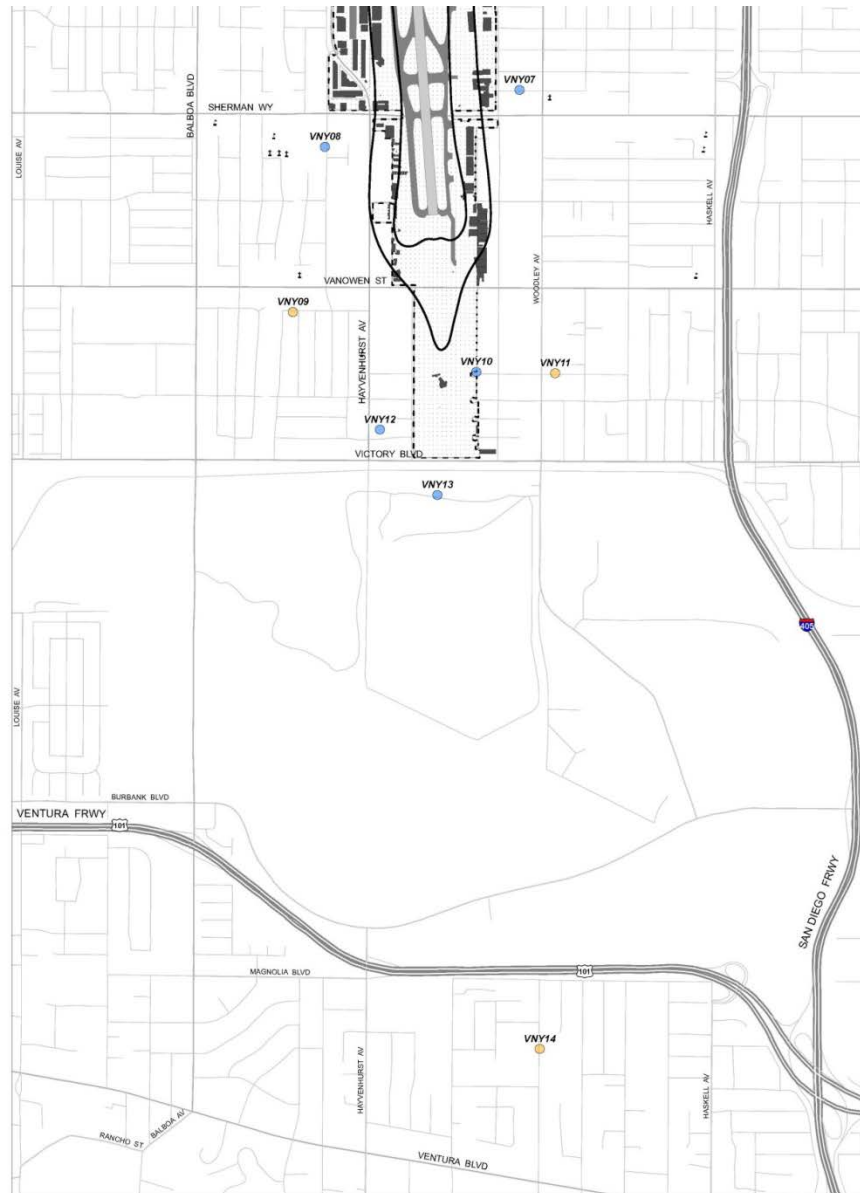
# Noise Monitor Changes

## Retaining Sites:

VNY10  
VNY12  
VNY13

## Removing Sites:

VNY09  
VNY11  
VNY14



- Noise Monitor (Required for Title 21)
- Noise Monitor (Not required for Title 21)
- ⛪ Churches
- ⛥ Hospitals
- 🎓 Schools

### ANNUAL CNEL VALUES (dBA)

VNY01	VNY02	VNY03	VNY04	VNY05	VNY06	VNY07
58	57	62	58	59	57	60
VNY08	VNY09	VNY10	VNY11	VNY12	VNY13	VNY14
59	55	62	57	59	62	52

### NOTES

Noise Contours are generated using RealContours which supports the Federal Aviation Administration's Integrated Noise Model (INM) version 7.0. The INM contour data file is based on annualized operational information gathered for the 12 month period ending December 31, 2013. The INM program is run after the fourth quarter of the previous year, and the resultant contour is adjusted to the current quarter's Noise Monitoring Station (NMS) annual average aircraft CNEL.

Sources of information include: Runway Utilization Reports, FAA's Automated Radar Terminal System (ARTS) Data, FAA Tower Traffic Records, and the Passive Secondary Surveillance Radar (PASSUR) Data.

Dwelling unit calculations are based on estimates made using 2009 assessor information, supplemented with land use surveys. Population estimates reflect the increase from the 2000 census data, (including 2009 estimates), for persons per dwelling unit. The land use database used to generate this report reflects all progress made through LAWA's Land Use Mitigation Program through December 31, 2011.

Map projection is in State Plane Feet based on North American Datum of 1983 (NAD83), and is located in Zone 5 of the California Coordinate System of 1983.

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### TECHNICAL NOTES

Annual Aircraft CNEL( From quarter listed and three previous quarters)

Quarter	VNY01*	VNY02*	VNY03	VNY04*	VNY05	VNY06*	VNY07	VNY08	VNY09*	VNY10	VNY11*	VNY12	VNY13	VNY14*	Avg.
2Q09	57.6	56.5	61.7	57.9	58.6	56.1	59.7	58.0	54.7	61.9	56.2	58.3	61.4	51.5	57.9
3Q09	57.5	56.4	61.4	57.7	58.7	56.3	59.6	58.0	54.8	61.7	55.7	58.3	61.3	51.7	57.8
4Q09	57.6	56.4	61.5	57.8	58.8	56.2	59.2	58.0	54.9	61.8	55.8	58.4	61.5	51.5	57.8
1Q10	57.9	56.8	61.9	58.5	59.6	56.9	59.7	58.4	55.4	62.2	56.4	58.9	61.8	52.2	58.3
2Q10	58.1	57.1	62.2	58.9	59.9	57.5	60.2	59.0	55.9	62.6	57.1	59.5	62.2	52.8	58.8
3Q10	58.0	57.1	62.4	59.0	59.9	57.4	60.3	59.0	55.8	62.7	57.2	59.7	62.3	52.6	58.8
4Q10	58.0	57.1	62.5	58.9	59.9	57.4	60.3	59.1	55.7	62.9	57.2	59.7	62.3	52.5	58.8
1Q11	57.9	57.0	62.4	58.7	59.7	57.2	60.0	59.1	55.7	62.9	57.1	59.6	62.2	52.2	58.7
2Q11	57.9	57.0	62.4	58.6	59.8	56.9	59.9	59.0	55.8	63.0	57.1	59.6	62.2	52.0	58.7
3Q11	57.8	57.0	62.4	58.5	59.7	56.8	59.8	59.0	55.9	63.2	57.3	59.5	62.2	52.0	58.6
4Q11	57.7	57.0	62.3	58.4	59.7	56.8	59.8	59.0	56.1	62.9	57.4	59.5	62.2	52.2	58.7
1Q12	57.7	57.2	62.3	58.5	59.8	56.9	59.7	59.0	56.0	62.7	57.3	59.4	62.2	52.4	58.7
2Q12	57.9	57.2	62.3	58.5	59.6	56.9	59.8	58.9	56.1	62.6	57.3	59.1	62.0	52.3	58.6
3Q12	58.0	57.2	62.4	58.5	59.6	56.9	59.7	58.9	56.2	62.3	57.0	58.9	61.7	52.2	58.5
4Q12	58.0	57.3	62.2	58.4	59.5	56.8	59.7	58.8	55.9	62.2	56.9	59.1	61.7	52.3	58.5
1Q13	58.0	57.4	62.3	58.6	59.6	56.8	59.9	58.8	55.9	62.2	57.0	59.2	61.9	52.9	58.6
2Q13	57.8	57.3	62.0	58.5	59.4	56.8	60.0	58.9	55.6	62.8	57.1	59.6	62.6	53.3	58.7
3Q13	57.7	57.2	61.8	58.6	59.5	56.8	60.1	58.9	55.6	62.8	57.2	59.6	62.7	53.2	58.7
4Q13	57.7	57.1	61.9	58.5	59.4	56.7	60.0	58.9	55.4	62.5	57.0	59.2	62.5	52.9	58.6
1Q14	57.6	56.8	61.8	58.1	59.1	56.6	59.9	58.7	55.3	62.4	56.8	59.1	62.3	51.9	58.3

\* = Not Required for Title 21 Reporting