

QUIETER HOME PROGRAM



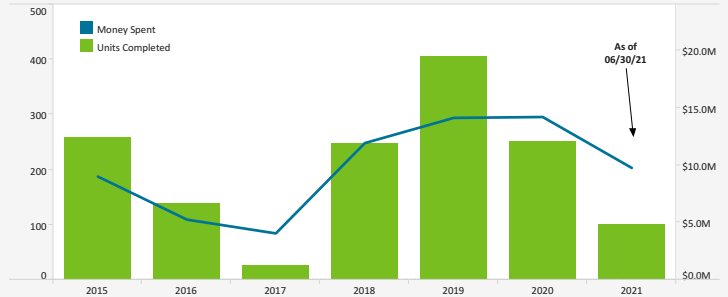
Quieter Home Program As Of: 06/30/2021

Status of Homes	
Homes on Wait List	1,117
Homes Added to Wait List This Month	5
Homes Completed This Month	20
Total Homes Completed	4,544
Estimated Homes to Complete in CY 2021	350

Project	Estimated Construction Start	# Homes
10.8	In Process	51
10.9	In Process	13
10.10	In Process	36
10.11	Summer 2021	56
10.12	Summer 2021	13
11.1	Fall 2021	51
11.2	Winter 2022	43
11.3	Winter 2022	102
11.4 (QNRP)	Spring 2022	1
11.5	Spring 2022	39
11.6	Spring 2022	119
11.7	Summer 2022	60
11.8	Summer 2022	112
11.9	Fall 2022	36

QNRP: Quieter Non-Residential Pr..

From 2001 – 2009, \$89.8 Million Was Spent To Complete 1,356 Homes



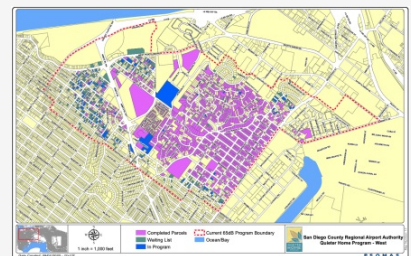
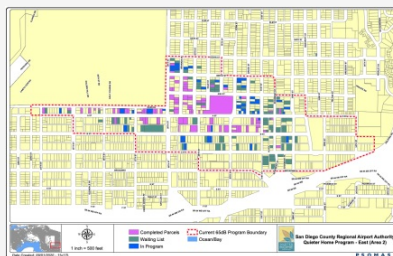
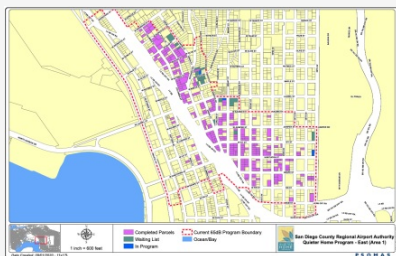
Post – Construction Homeowner Survey Results

Overall Experience	Excellent	Satisfied	Unsatisfied
	76%	22%	3%

Effectiveness

Question	Answer	Percentage
Effectiveness of Doors	Significant Improvement	82%
	Slight Improvement	13%
	No Improvement	4%
	Not Installed	1%
Effectiveness of Ventilation	Significant Improvement	72%
	Slight Improvement	12%
	No Improvement	8%
	Not Installed	8%
Effectiveness of Windows	Significant Improvement	87%
	Slight Improvement	11%
	No Improvement	2%
	Not Installed	0%

Program Boundary Maps



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CURFEW VIOLATIONS



Noise Curfew Violations: Any aircraft that departs after 11:30 p.m. and before 6:30 a.m. is subject to a penalty.

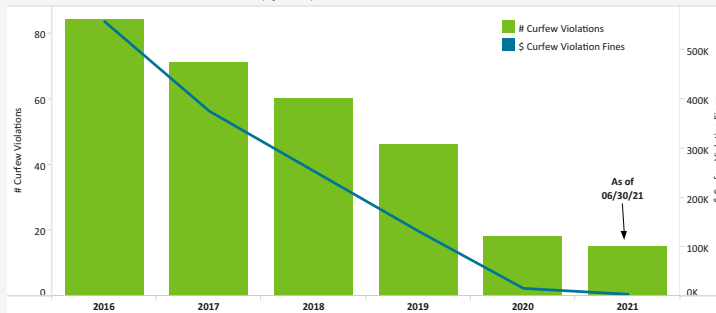
Curfew Violations (June 2021)

Date, Time	Airline	Aircraft Type	Status
6/11/2021, 11:33 PM	Delta Air Lines	B764	Pending Review
6/15/2021, 11:32 PM	American Airlines	B738	Pending Review
6/18/2021, 12:03 AM	American Airlines	B738	Pending Review
6/19/2021, 11:30 PM	Horizon Air	E75L	Pending Review
6/19/2021, 11:42 PM	United Airlines	B739	Pending Review
6/20/2021, 12:54 AM	Delta Air Lines	A333	Pending Review
6/21/2021, 01:56 AM	American Airlines	B738	Pending Review
6/21/2021, 11:32 PM	SkyWest Airlines	E75L	Pending Review
6/25/2021, 11:31 PM	Southwest Airlines	B737	Pending Review
6/28/2021, 11:34 PM	American Airlines	B738	Pending Review

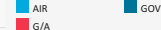
Annual Violations and Penalties Assessed (Year-to-Date)

Year	Total Violations	Fines Assessed
2016	84	\$558,000
2017	71	\$376,000
2018	60	\$254,000
2019	46	\$132,000
2020	18	\$16,000
2021	15	\$4,000

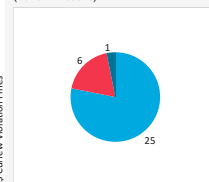
Curfew Violations and Penalties Assessed (by Year)



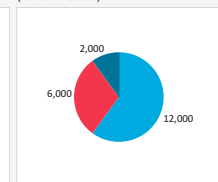
Airline Category



Violations by Airline Category (2020 - Present)



Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	25	\$12,000
G/A	6	\$6,000
GOV	1	\$2,000

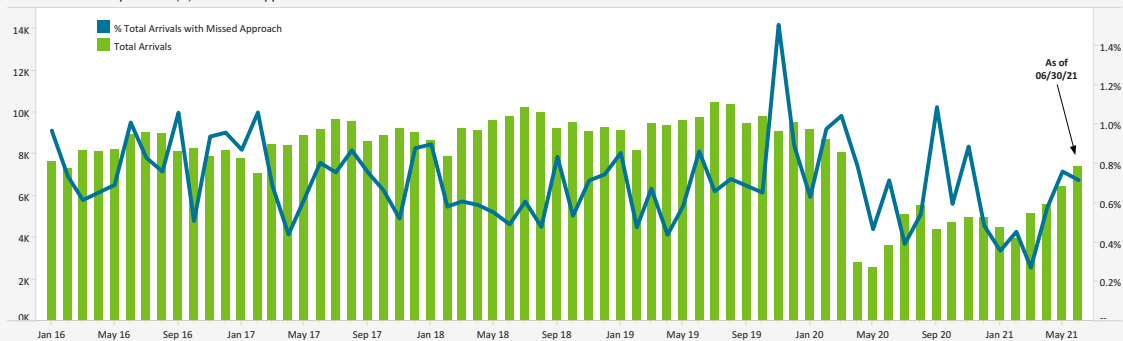
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MISSSED APPROACH STATISTICS



Missed Approaches: A procedure to maintain safety, initiated by the pilot or Air Traffic Control (ATC) for a pilot to abandon the approach to landing.

Total Arrivals Compared to (%) of Missed Approaches

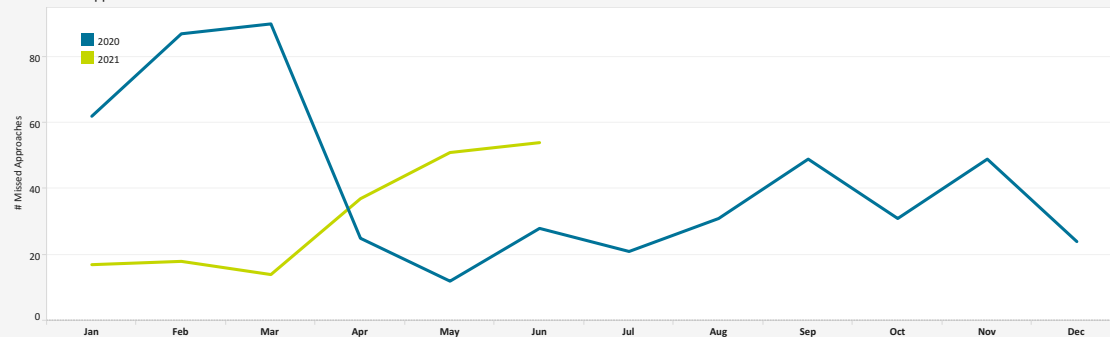


	2016	2017	2018	2019	2020	2021
% Total Arrivals with Missed Approach	0.8%	0.7%	0.6%	0.8%	0.7%	0.6%
Total Arrivals	98,756	104,725	111,618	114,193	64,576	33,011
Total Missed Approaches	832	795	721	895	508	191

Missed Approach Location Statistics

	Apr		May		Jun			Apr	May	Jun
	Day	Night	Day	Night	Day	Night				
Between Noise Dot #1 - Noise Dot #2	0	1	0	0	0	1	Between 265°-295° Heading (Standard)	20	39	38
Between Noise Dot #2 - JETTI	12	1	19	3	18	3	East of Airport	12	3	10
Between JETTI - Noise Dot #3	5	1	16	0	15	1	Left of 265°	3	4	4
Between Noise Dot #3 - Noise Dot #4	3	0	3	0	2	0	Right of 295°	1	3	2
Between Noise Dot #4 - Noise Dot #5	0	0	1	0	2	0				

Total Missed Approaches



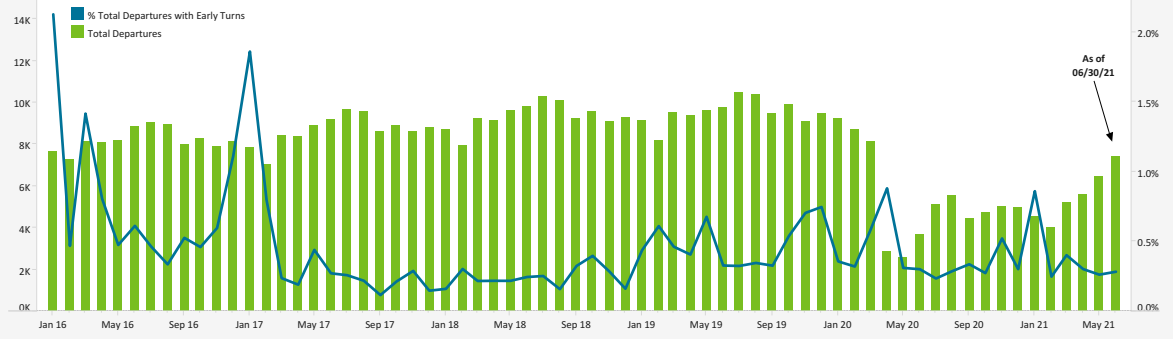
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EARLY TURN STATISTICS



The Airport Authority has defined early turns as those aircraft that turn right prior to FAA Noise Dot #1 at the 295-degree heading or turn left prior to the FAA Noise Dot #3 at the 265-degree heading.

Total Departures Compared to (%) of Early Turns



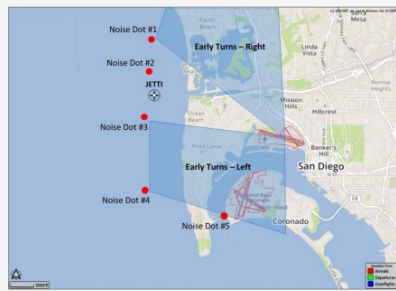
	2016	2017	2018	2019	2020	2021
Total Early Turns	914	558	395	741	321	148

Departure Statistics (June 2021)

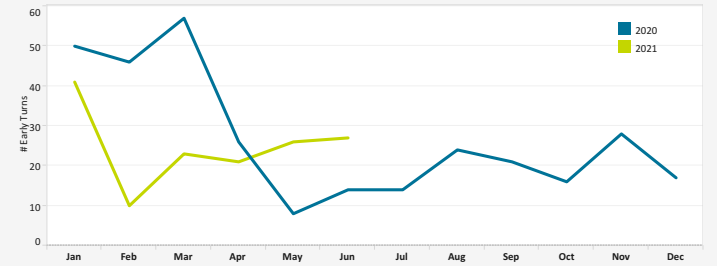
	Apr	May	Jun
Jets Turning Left	2,931	3,200	3,741
Between Z2000 and Noise Dots	436	499	583
Compliant with Nighttime departure Heading (290°)	154	221	351
Not Nighttime Compliant - Over La Jolla	12	14	21
Not Nighttime Compliant - Straight Out	3	1	9
Not Nighttime Compliant - East	0	0	0

Cause of Early Turns (June 2021)

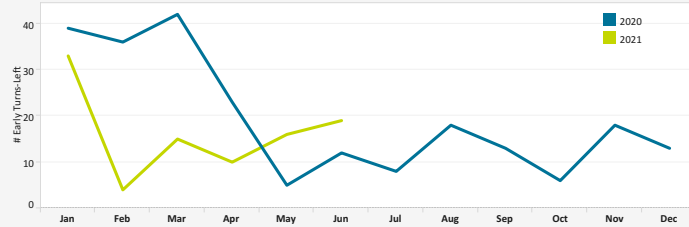
	Apr	May	Jun
Caused by ATC Vectors	19	22	24
Caused by Pilot Deviation	2	5	3
Caused by Weather	0	0	0



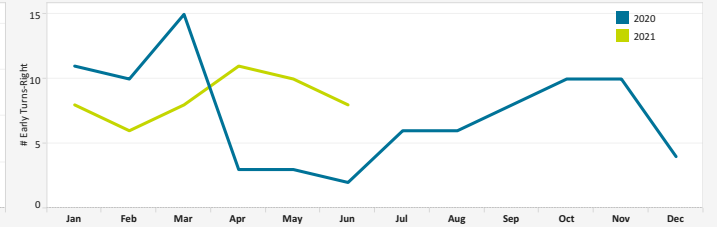
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (June 2021)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	4	3,884	0.1%
General Aviation	4	2,011	0.2%
American Airlines	4	1,428	0.3%
SkyWest Airlines	2	1,406	0.1%
Horizon Air	2	604	0.3%
Delta Air Lines	2	1,120	0.2%
Allegiant Air	1	206	0.5%

Early Turn by Operator (June 2021)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
General Aviation	3	2,011	0.1%
Southwest Airlines	2	3,884	0.1%
American Airlines	2	1,428	0.1%
Delta Air Lines	1	1,120	0.1%

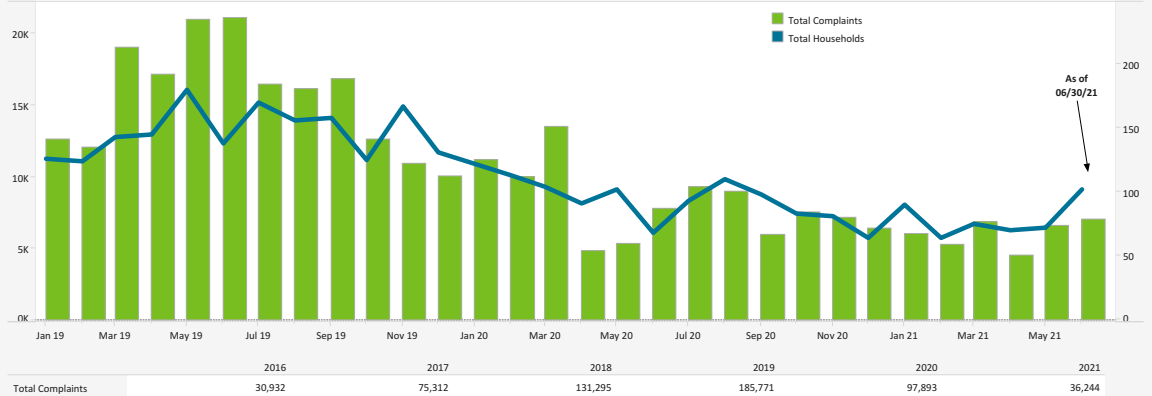
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NOISE COMPLAINT STATISTICS

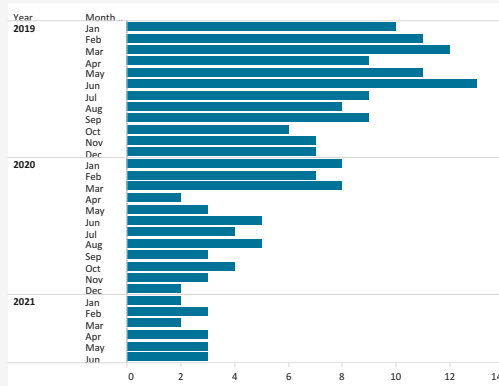


The Authority reports all complaints.

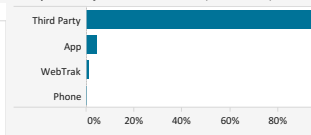
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method (June 2021)



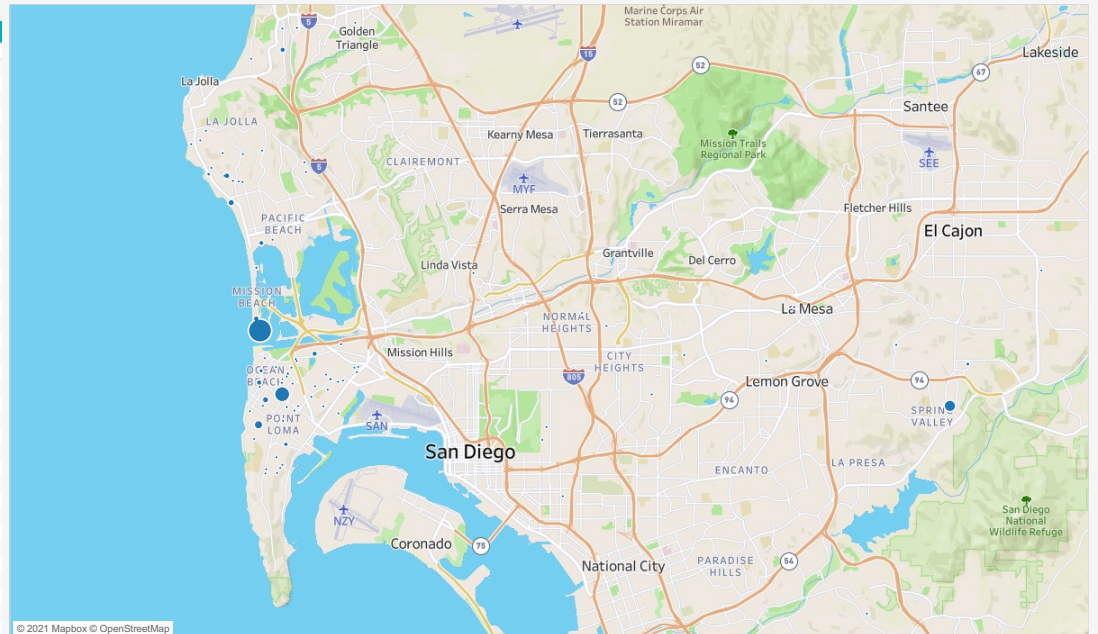
Disturbance Type (June 2021)

Disturbance Type	# Complaints	% Total
Too Loud	6,821	97.6%
Overflight	119	1.7%
Suspected Off Course	27	0.4%
Curfew Violation	22	0.3%
Too Low	1	0.0%

Number of Complaints by Neighborhood (June 2021)

Neighborhood	Total Complaints	Total Households
Grand Total	7,006	102
Mission Beach	3,342	15
Point Loma Heights	1,521	15
Spring Valley	669	1
Sunset Cliffs	449	3
Bird Rock	338	4
Ocean Beach	202	6
La Jolla Heights	115	2
Pacific Beach	96	5
Roseville-Fleet Ridge	71	3
Casa De Oro-Mt. Helix	45	1
Loma Portal	25	9
El Cerrito	24	1
La Jolla Mesa	15	3
Bonita	12	2
Del Mar	12	2
Beach Barber Tract	11	3
La Playa	8	5
Torrey Pines	8	1
Upper Hermosa	6	1
Normal Heights	5	1
Golden Hill	4	1
La Jolla Alta	3	1
La Jolla Shores	3	1
Midway District	3	2
El Cajon	2	1
Kensington	2	1
La Mesa	2	2
Mission Valley	2	1
Muirlands	2	2
South Park	2	1
Wooded Area	2	1
City Heights	1	1
La Jolla Village	1	1
Liberty Station	1	1
Logan Heights	1	1
University City	1	1

Location of Complaints (June 2021)



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