

QUIETER HOME PROGRAM



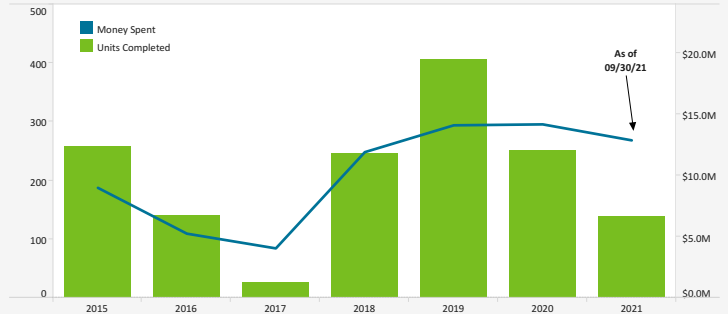
Quieter Home Program As Of: 09/30/2021

Status of Homes	
Homes on Wait List	841
Homes Completed this month	8
Total Homes Completed	4,582
Added this month	12
Estimated Homes to Complete in CY 2021	250

Project	Estimated Construction Start	# Homes
10.10	In Process	36
10.11	In Process	56
10.12	In Process	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
11.10	Winter 2022	142
11.11	Winter 2022	71
11.12	Winter 2022	52
12.1	Winter 2022	71

QNRP: Quieter Non-Residential Pr..

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



Post – Construction Homeowner Survey Results

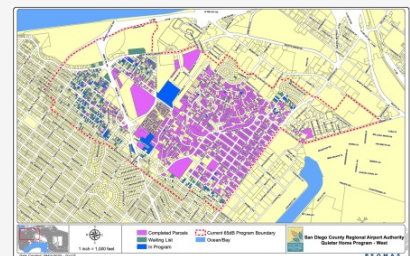
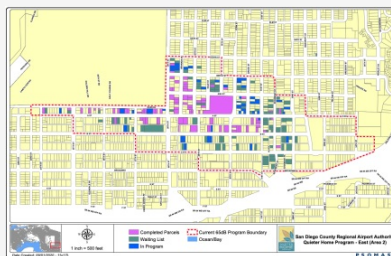
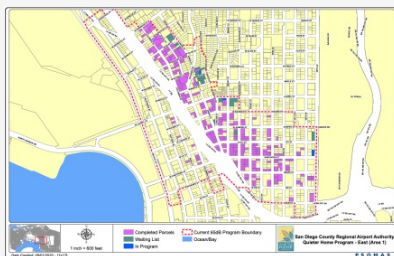
Overall Experience

Excellent	Satisfied	Unsatisfied
75%	22%	3%

Effectiveness

Question1	Answer1	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	9%
Effectiveness of Windows	Significant Improvement	87%
	Slight Improvement	11%
	No Improvement	2%
	Not Installed	0%

Program Boundary Maps



Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

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.

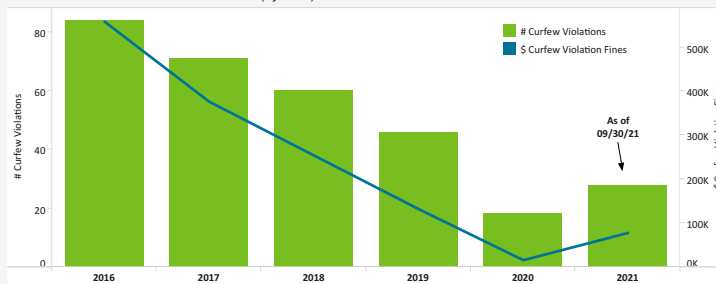
Curfew Violations (August-September 2021)

Date, Time	Airline	Aircraft Type	Status
8/1/2021, 11:55 PM	SkyWest Airlines	E75L	FINED - \$4,000
8/2/2021, 11:43 PM	Allegiant Air	A319	FINED - \$2,000
8/3/2021, 11:38 PM	Horizon Air	E75L	FINED - \$12,000
8/4/2021, 12:00 AM	SkyWest Airlines	E75L	FINED - \$20,000
8/8/2021, 12:26 AM	Horizon Air	E75L	Not Fined
8/13/2021, 11:51 PM	SkyWest Airlines	E75L	Not Fined
8/14/2021, 12:10 AM	Horizon Air	E75L	Not Fined
9/15/2021, 11:51 PM	Delta Air Lines	B764	Pending Review
9/25/2021, 12:33 AM	jetBlue Airways	A320	Pending Review

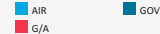
Annual Violations and Penalties Assessed (Year-to-Date)

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	28	\$78,000

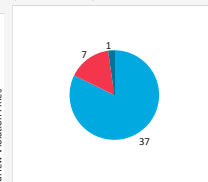
Curfew Violations and Penalties Assessed (by Year)



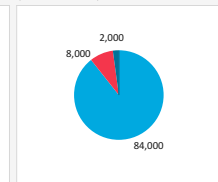
Airline Category



Violations by Airline Category (2020 - Present)



Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	37	\$84,000
G/A	7	\$8,000
GOV	1	\$2,000

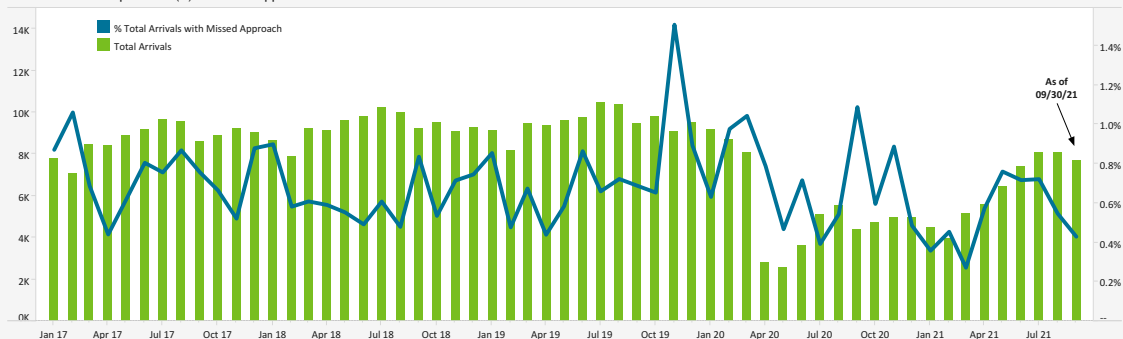
Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

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

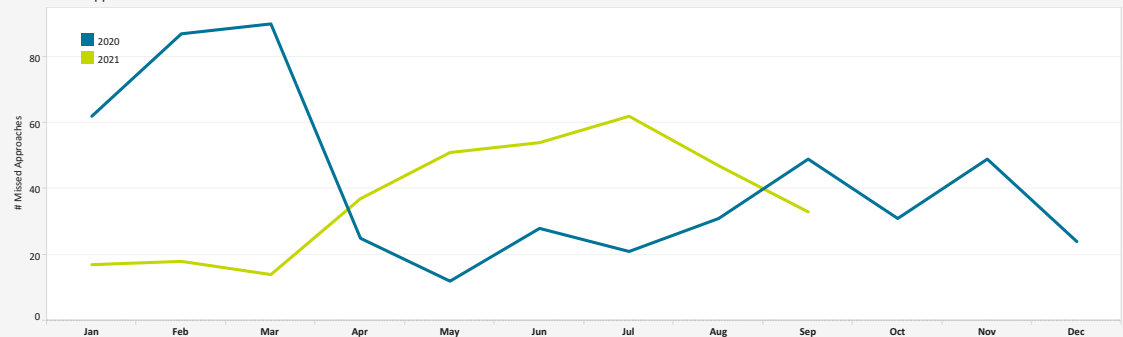


	2017	2018	2019	2020	2021
% Total Arrivals with Missed Approach	0.7%	0.6%	0.8%	0.7%	0.6%
Total Arrivals	104,725	111,618	114,193	64,576	56,795
Total Missed Approaches	795	721	895	508	333

Missed Approach Location Statistics

	Jul		Aug		Sep			Jul	Aug	Sep
	Day	Night	Day	Night	Day	Night				
Between Noise Dot #1 - Noise Dot #2	1	0	0	1	0	0	Between 265°-295° Heading (Standard)	38	30	29
Between Noise Dot #2 - JETTI	22	1	15	3	17	1	East of Airport	11	6	0
Between JETTI - Noise Dot #3	11	3	7	4	9	2	Left of 265°	8	7	4
Between Noise Dot #3 - Noise Dot #4	5	2	5	1	3	0	Right of 295°	4	1	0
Between Noise Dot #4 - Noise Dot #5	1	0	1	0	1	0				

Total Missed Approaches



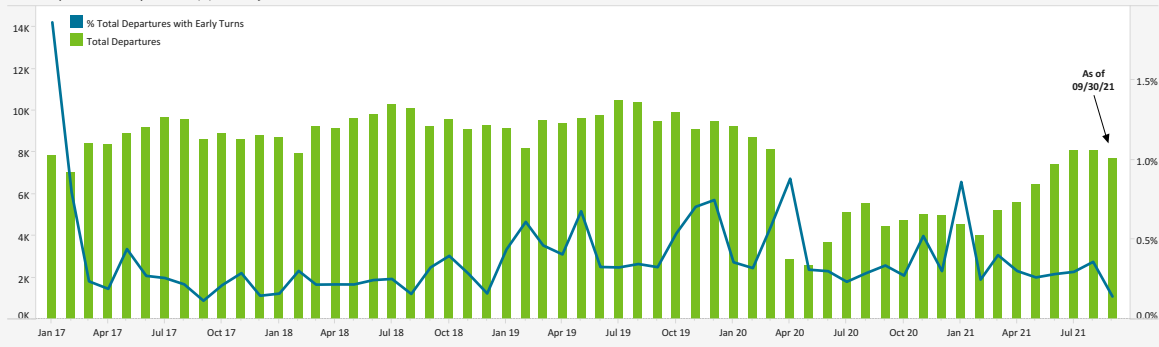
Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

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



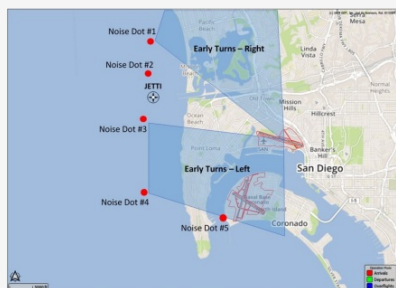
	2017	2018	2019	2020	2021
Total Early Turns	558	395	741	321	236

Departure Statistics

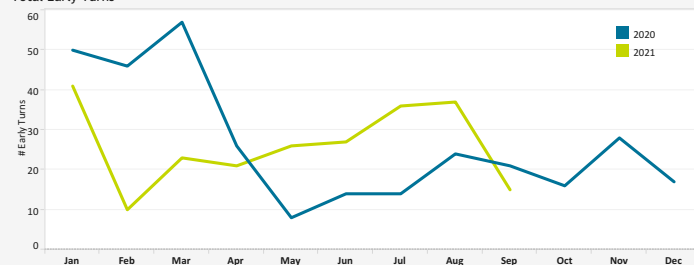
	Jul	Aug	Sep
Jets Turning Left	4,166	4,113	3,854
Between Z2000 and Noise Dots	690	632	509
Compliant with Nighttime departure Heading (290°)	453	434	301
Not Nighttime Compliant - Over La Jolla	15	0	4
Not Nighttime Compliant - Straight Out	2	6	3
Not Nighttime Compliant - East	0	0	0

Cause of Early Turns

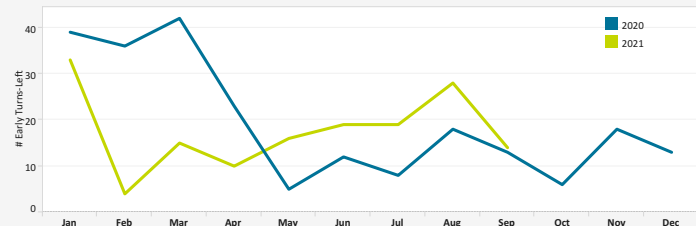
	Jul	Aug	Sep
Caused by ATC Vectors	28	30	13
Caused by Pilot Deviation	2	8	2
Caused by Weather	5	0	0



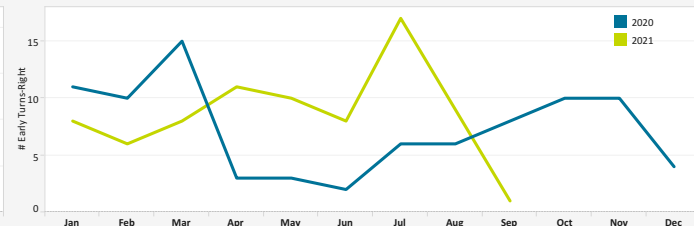
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (August 2021)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
General Aviation	5	2,007	0.2%
American Airlines	3	1,321	0.2%
United Airlines	1	1,417	0.1%
Swift Air	1	91	1.1%
Southwest Airlines	1	4,299	0.0%
Horizon Air	1	636	0.2%
Delta Air Lines	1	1,257	0.1%
Alaska Airlines	1	1,253	0.1%

Early Turn by Operator (August 2021)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
General Aviation	1	2,007	0.0%

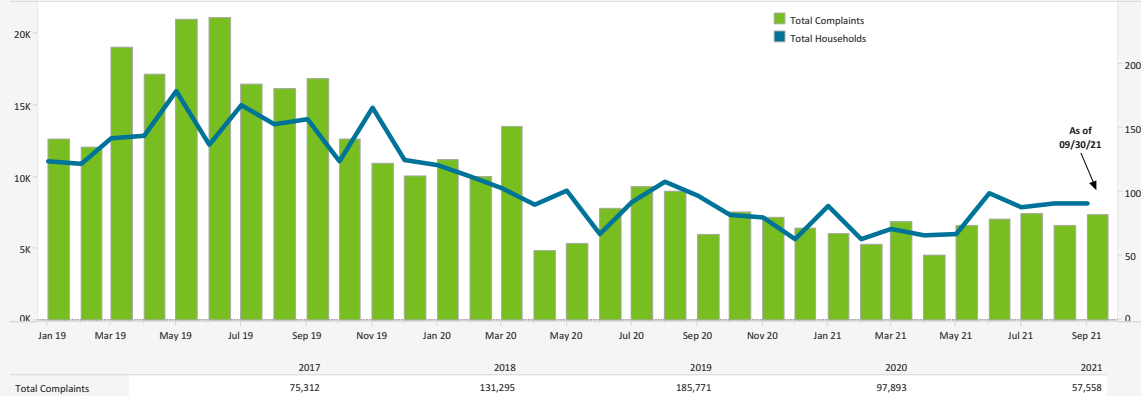
Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

NOISE COMPLAINT STATISTICS

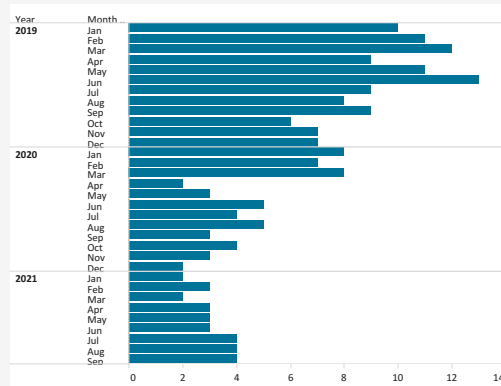


The Authority reports all complaints.

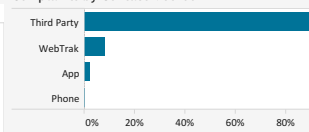
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



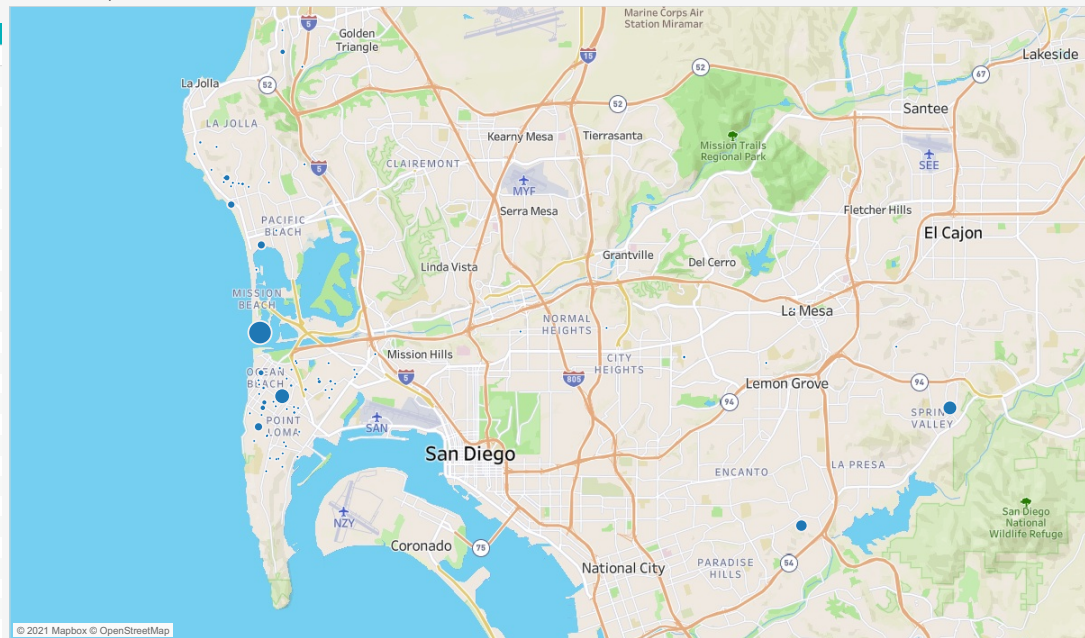
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	7,061	96.2%
Too Low	203	2.8%
Overflight	50	0.7%
Suspected Off Course	12	0.2%
Curfew Violation	11	0.1%

Number of Complaints by Neighborhood (September 2021)

Neighborhood	Total Complaints	Total Households
Grand Total	7,337	91
Mission Beach	2,878	8
Point Loma Heights	1,331	17
Spring Valley	870	1
Bay Terraces	586	1
Bird Rock	366	5
Sunset Cliffs	321	7
Pacific Beach	268	4
Ocean Beach	206	8
Loma Portal	111	8
La Jolla Heights	102	2
Del Mar	63	1
La Jolla Mesa	37	3
Beach Barber Tract	28	2
El Cerrito	28	1
Wooded Area	28	4
Muirlands	26	2
Roseville-Fleet Ridge	18	3
Upper Hermosa	16	1
La Mesa	11	2
La Playa	11	3
Casa De Oro-Mt. Helix	10	1
Lower Hermosa	9	1
Kensington	5	1
Del Mar Heights	4	1
La Jolla Village	1	1
Loma Portal	1	1
Midway District	1	1
University Heights	1	1

Location of Complaints



Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.