

QUIETER HOME PROGRAM



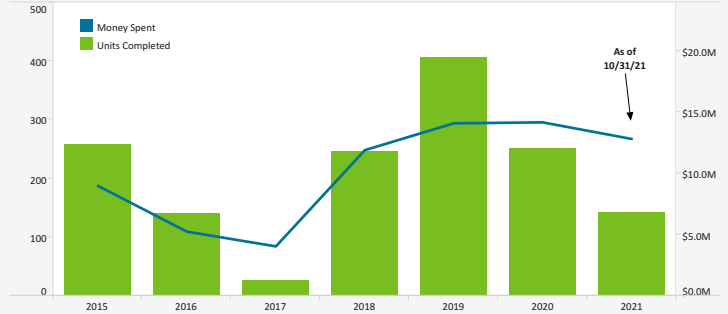
Quieter Home Program As Of: 10/31/2021

Status of Homes	
Homes on Wait List	901
Homes Completed this month	6
Total Homes Completed	4,585
Added this month	32
Estimated Homes to Complete in CY 2021	250

Project	Estimated Construction Start	# Homes
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

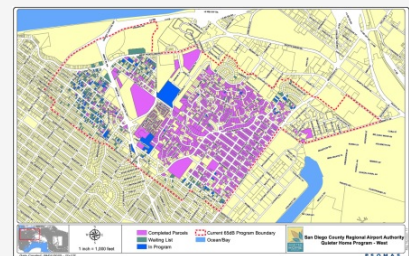
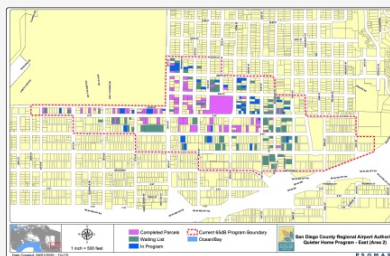
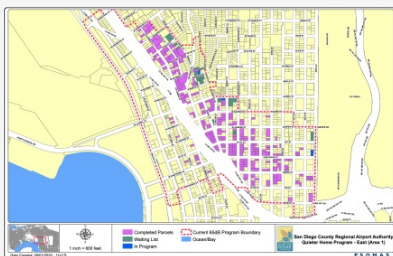
Overall Experience

Excellent	Satisfied	Unsatisfied
75%	22%	3%

Effectiveness

Question1	Answer1	Percentage
Effectiveness of Doors	Significant Improvement	82%
	Slight Improvement	13%
	No Improvement	4%
	Not Installed	2%
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.

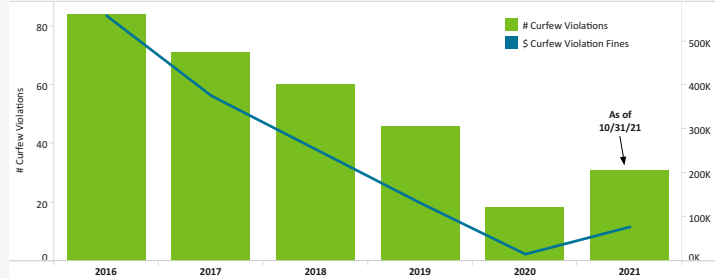
Curfew Violations (September-October 2021)

Date, Time	Airline	Aircraft Type	Status
9/15/2021, 11:51 PM	Delta Air Lines	B764	Pending Review
9/25/2021, 12:33 AM	jetBlue Airways	A320	Pending Review
10/5/2021, 12:06 AM	SkyWest Airlines	E75L	Pending Review
10/7/2021, 11:55 PM	Delta Air Lines	B764	Pending Review
10/29/2021, 12:02 AM	FedEx Express	B763	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	31	\$78,000

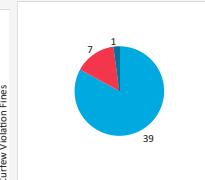
Curfew Violations and Penalties Assessed (by Year)



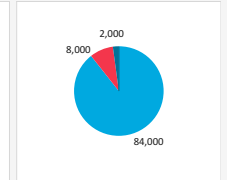
Airline Category

- AIR
- G/A
- GOV

Violations by Airline Category (2020 - Present)



Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	39	\$84,000
G/A	7	\$8,000
GOV	1	\$2,000

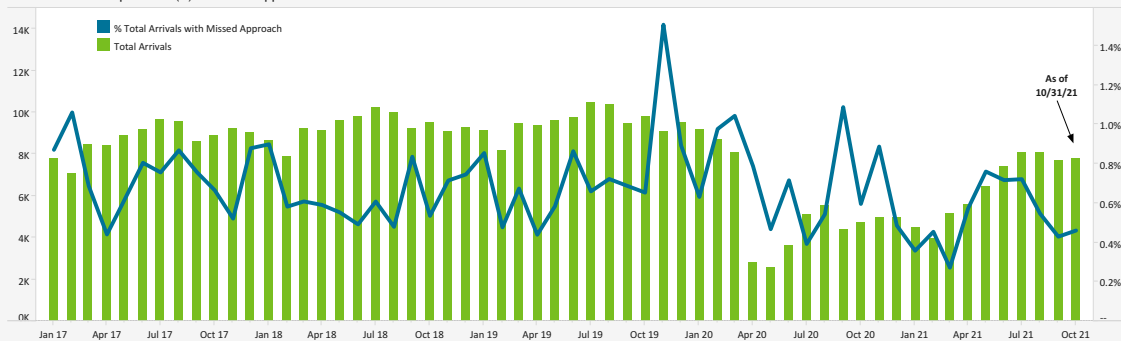
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MISSSED APPROACH STATISTICS



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

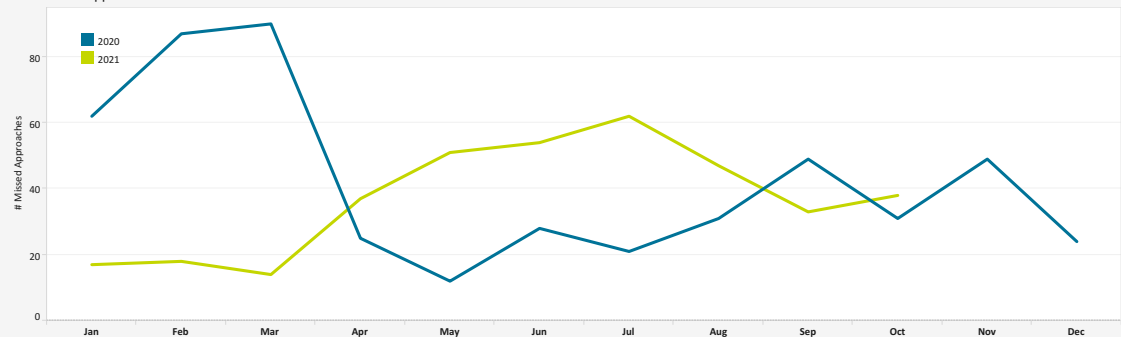


	2017	2018	2019	2020	2021
% Total Arrivals with Missed Approach	0.7%	0.6%	0.8%	0.7%	0.5%
Total Arrivals	104,725	111,618	114,193	64,576	64,613
Total Missed Approaches	795	721	895	508	371

Missed Approach Location Statistics

	Aug		Sep		Oct			Aug	Sep	Oct
	Day	Night	Day	Night	Day	Night				
Between Noise Dot #1 - Noise Dot #2	0	1	0	0	0	0	Between 265°-295° Heading (Standard)	30	29	24
Between Noise Dot #2 - JETTI	15	3	17	1	13	2	East of Airport	6	0	6
Between JETTI - Noise Dot #3	7	4	9	2	9	0	Left of 265°	7	4	6
Between Noise Dot #3 - Noise Dot #4	5	1	3	0	4	2	Right of 295°	1	0	2
Between Noise Dot #4 - Noise Dot #5	1	0	1	0	0	0				

Total Missed Approaches



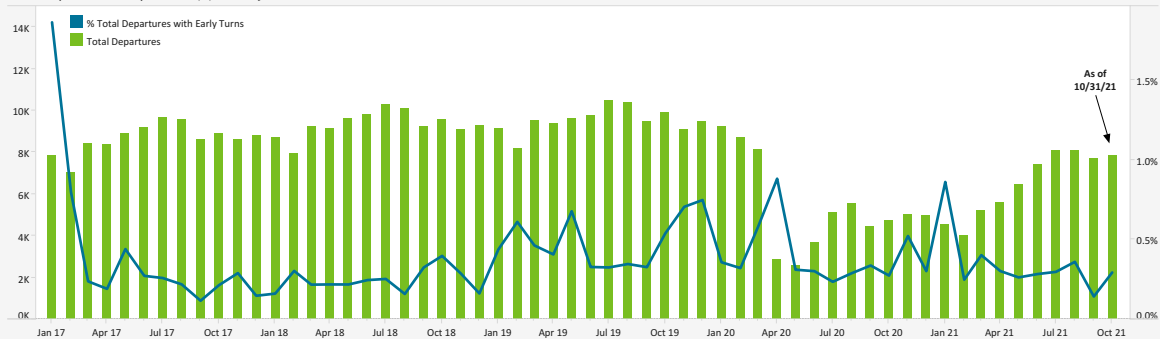
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EARLY TURN STATISTICS



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



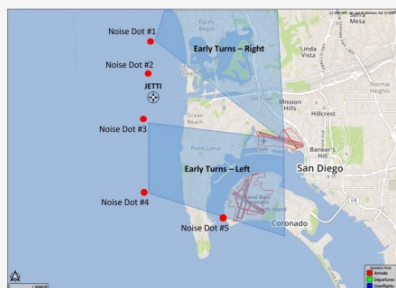
	2017	2018	2019	2020	2021
Total Early Turns	558	395	741	321	267

Departure Statistics

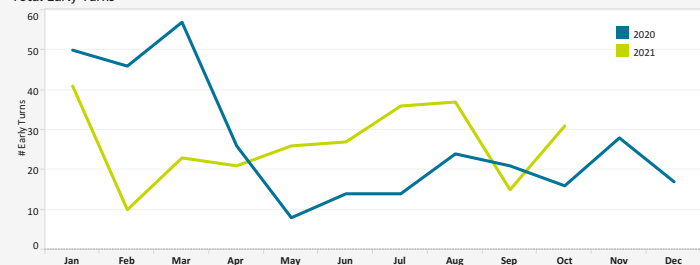
	Aug	Sep	Oct
Jets Turning Left	4,113	3,854	3,975
Between Z2000 and Noise Dots	632	509	378
Compliant with Nighttime departure Heading (290°)	434	301	311
Not Nighttime Compliant - Over La Jolla	0	4	10
Not Nighttime Compliant - Straight Out	6	3	8
Not Nighttime Compliant - East	0	0	0

Cause of Early Turns

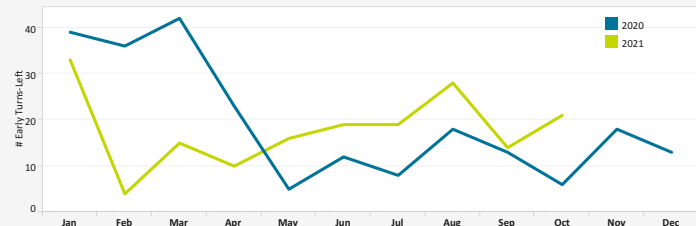
	Aug	Sep	Oct
Caused by ATC Vectors	30	13	24
Caused by Pilot Deviation	8	2	2
Caused by Weather	0	0	5



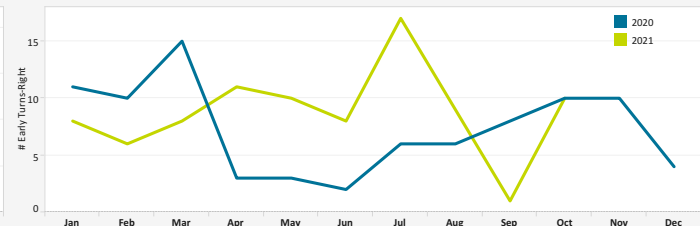
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (October 2021)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	7	4,382	0.2%
General Aviation	7	2,146	0.3%
American Airlines	4	1,379	0.3%
United Airlines	1	1,464	0.1%
FedEx Express	1	285	0.4%
Delta Air Lines	1	1,291	0.1%

Early Turn by Operator (October 2021)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
General Aviation	6	2,146	0.3%
United Airlines	1	1,464	0.1%
Spirit Airlines	1	150	0.7%
FedEx Express	1	285	0.4%
Delta Air Lines	1	1,291	0.1%

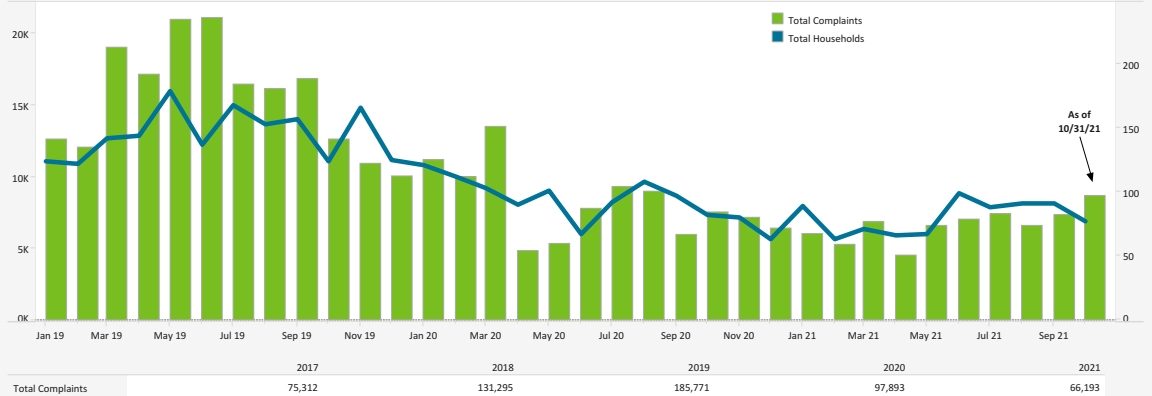
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NOISE COMPLAINT STATISTICS

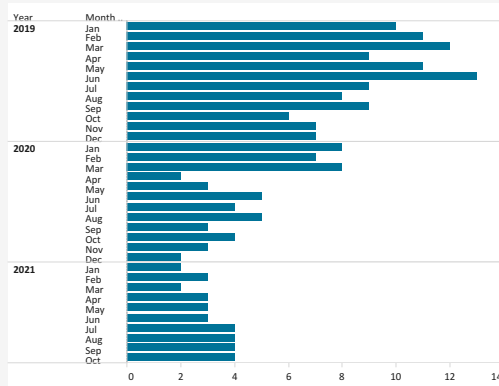


The Authority reports all complaints.

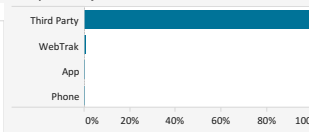
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



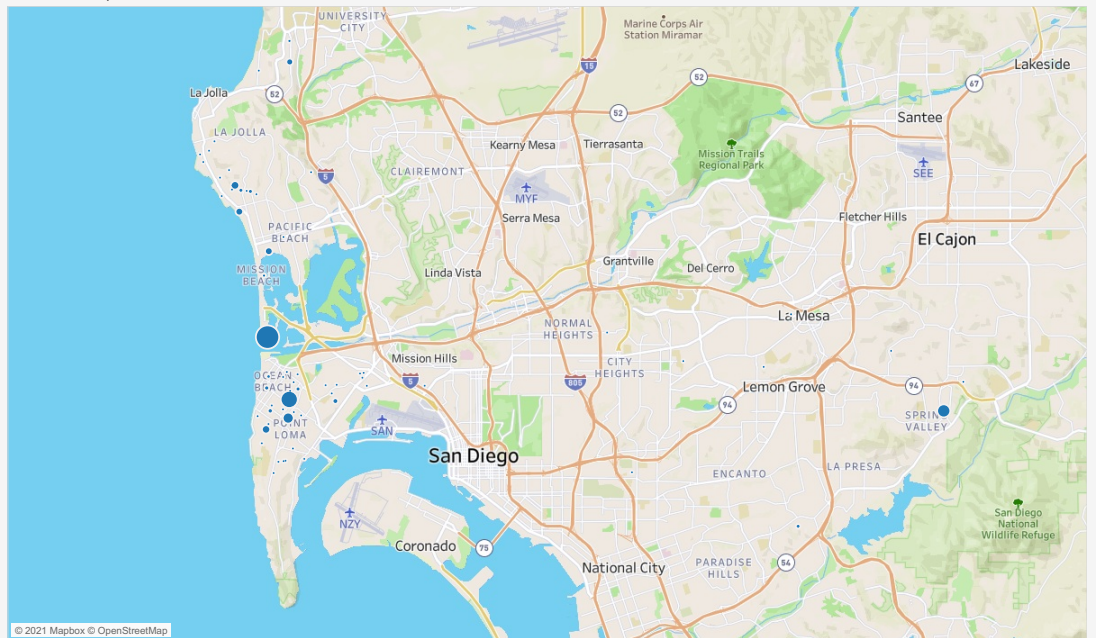
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	8,610	99.7%
Suspected Off Course	14	0.2%
Curfew Violation	6	0.1%
Overflight	3	0.0%
Too Low	2	0.0%

Number of Complaints by Neighborhood (October 2021)

Neighborhood	Total Complaints	Total Households
Grand Total	8,635	77
Mission Beach	3,457	5
Point Loma Heights	2,333	12
Spring Valley	875	1
Bird Rock	559	5
Sunset Cliffs	370	5
Pacific Beach	232	3
La Jolla Heights	179	3
Loma Portal	133	6
Ocean Beach	115	5
La Jolla Mesa	64	3
Muirlands	57	1
Bay Terraces	52	1
Del Mar	42	1
Beach Barber Tract	23	3
Wooded Area	23	4
Roseville-Fleet Ridge	22	2
El Cerrito	20	1
Upper Hermosa	18	1
Lower Hermosa	12	1
La Jolla Shores	11	1
Casa De Oro-Mt. Helix	10	1
La Mesa	8	3
La Playa	5	1
Midway District	4	3
Del Mar Heights	3	1
Mission Hills	3	1
Kensington	2	1
La Jolla	2	1
Chollas View	1	1

Location of Complaints



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