

QUIETER HOME PROGRAM



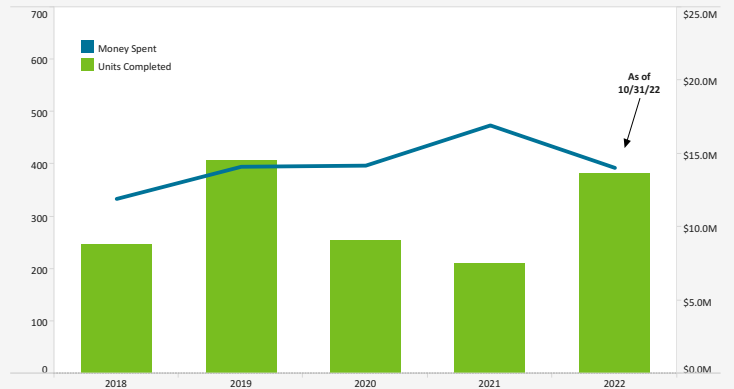
Quieter Home Program As Of: 10/31/2022

Status of Homes	
Added this Month	11
Homes Completed this Month	51
Estimated Homes to Complete in CY 2022	400
Homes on Wait List	624
Total Homes Completed	5,034
Amount Spent on Multi-Family Units (USD) this Month	407,587

Project	Estimated Construction Start	# Homes
11.4 (QNRP)	Winter 2022	1
11.5	In Process	34
11.6	In Process	119
11.7	In Process	53
11.8	In Process	112
11.9	Winter 2023	32
11.10	Winter 2023	142
11.11	Winter 2023	48
11.12	Fall 2022	52
12.1	Summer 2023	34
12.2	Spring 2023	35
12.3	Summer 2023	37
12.4 (QNRP)	Winter 2024	3
12.5 (QNRP)	Winter 2024	3
12.6	Fall 2023	62
12.7	Fall 2023	35
12.8	Spring 2024	29
12.9	Spring 2024	30
12.10	Spring 2024	45
12.11	Summer 2024	25

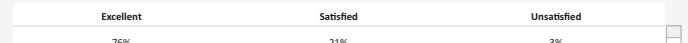
QNRP: Quieter Non-Residential Pr..

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

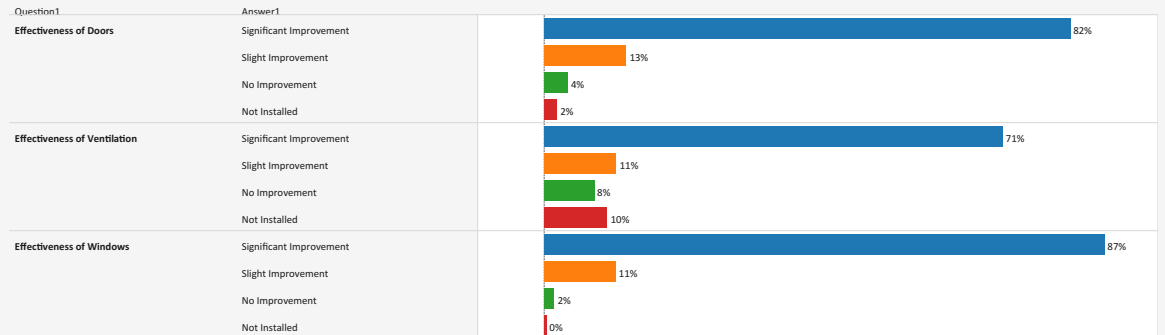


Post – Construction Homeowner Survey Results

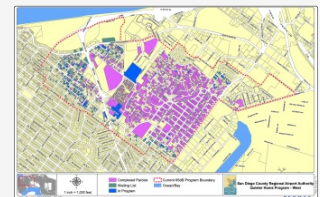
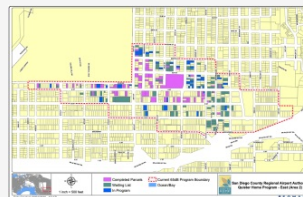
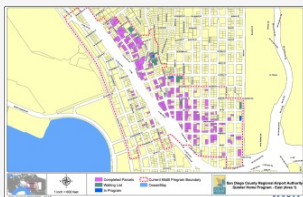
Overall Experience



Effectiveness



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 2022)

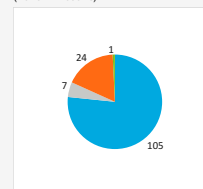
Date, Time	Airline	Aircraft Type	Status
9/1/2022, 11:30 PM	Alaska Airlines	8739	Not Fined
9/3/2022, 12:43 AM	United Airlines	8738	Not Fined
9/9/2022, 12:42 AM	Alaska Airlines	839M	Not Fined
9/26/2022, 11:32 PM	Alaska Airlines	8739	Pending Review
9/27/2022, 11:30 PM	Delta Air Lines	8738	Pending Review
9/29/2022, 11:30 PM	Alaska Airlines	8739	Pending Review
10/1/2022, 12:31 AM	Delta Air Lines	8752	Pending Review
10/3/2022, 01:10 AM	American Airlines	A321	Pending Review
10/19/2022, 11:35 PM	National Airlines	A332	Pending Review

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

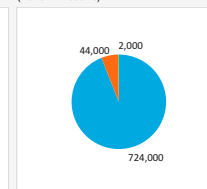
Year	Total Violations	Fines Assessed
2018	60	\$254,000
2019	46	\$132,000
2020	18	\$16,000
2021	52	\$204,000
2022	67	\$550,000

Airline Category
 A - Air
 C - Cargo
 G - G/A
 M - Mil

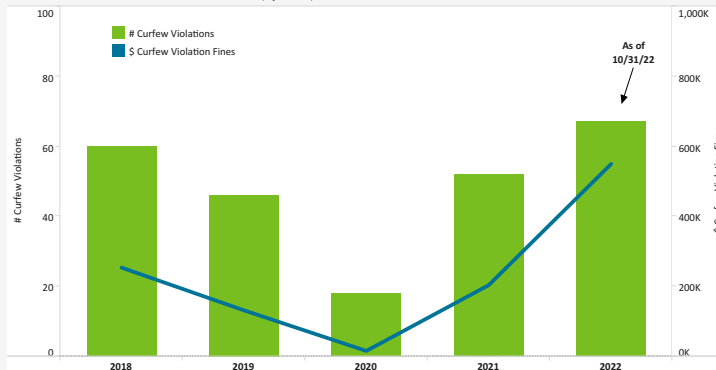
Violations by Airline Category (2020 - Present)



Fines Assessed by Airline Category (2020 - Present)



Curfew Violations and Penalties Assessed (by Year)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
A - Air	105	\$724,000
C - Cargo	7	\$0
G - G/A	24	\$44,000
M - Mil	1	\$2,000

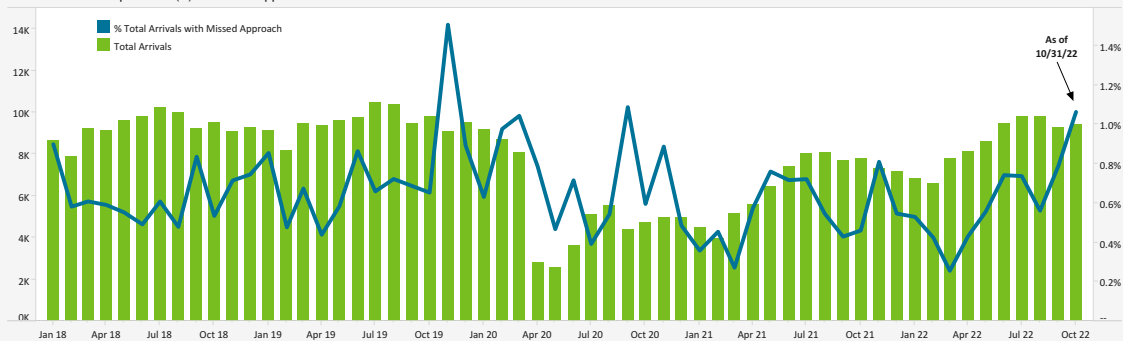
Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

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

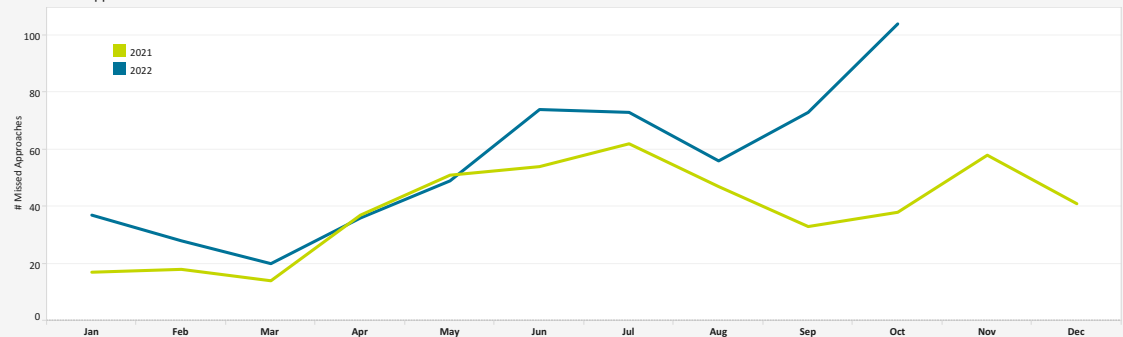


	2018	2019	2020	2021	2022
% Total Arrivals with Missed Approach	0.6%	0.8%	0.7%	0.6%	0.6%
Total Arrivals	111,618	114,193	64,576	79,016	85,621
Total Missed Approaches	721	895	508	470	550

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	2	0	0	Between 265°-295° Heading (Standard)	31	49	73
Between Noise Dot #2 - JETTI	11	6	23	2	38	4	East of Airport	8	10	14
Between JETTI - Noise Dot #3	12	1	20	3	29	2	Left of 265°	8	9	8
Between Noise Dot #3 - Noise Dot #4	5	2	6	1	6	1	Right of 295°	8	11	8
Between Noise Dot #4 - Noise Dot #5	1	0	1	1	1	0				

Total Missed Approaches



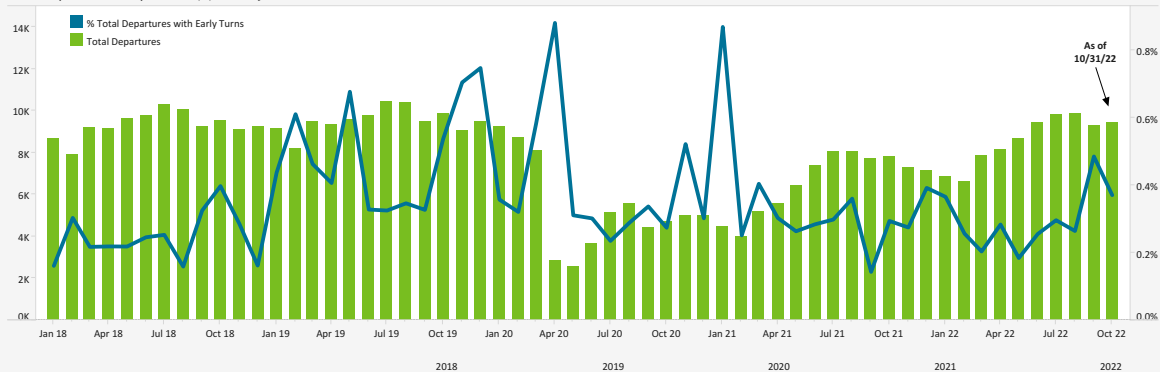
Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

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



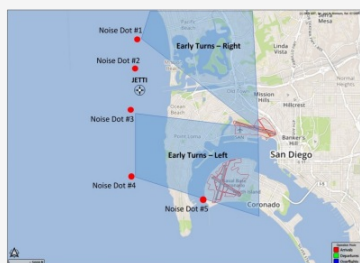
	2018	2019	2020	2021	2022
Total Early Turns	395	741	321	329	375

Departure Statistics

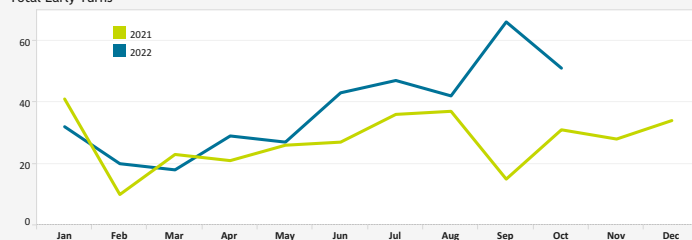
	Aug	Sep	Oct
Jets Turning Left	4,595	4,207	4,391
Between Z2000 and Noise Dots	652	506	514
Compliant with Nighttime departure Heading (290°)	512	367	375
Not Nighttime Compliant - Over La Jolla	31	43	39
Not Nighttime Compliant - Straight Out	5	7	7
Not Nighttime Compliant - East	0	0	15

Cause of Early Turns

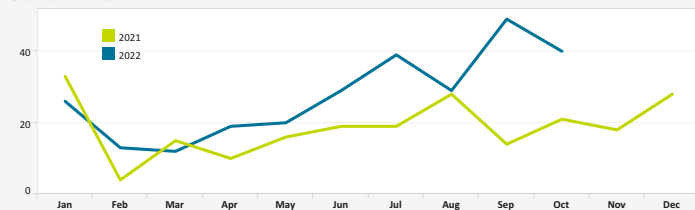
	Aug	Sep	Oct
Caused by ATC Vectors	41	66	50
Caused by Pilot Deviation	1	0	0
Caused by Weather	0	0	3



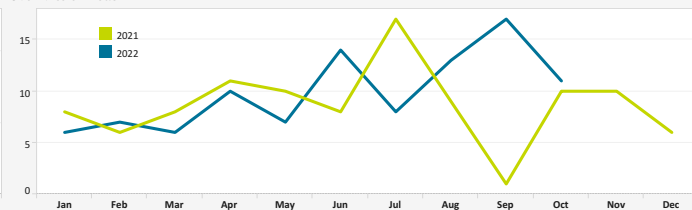
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (October 2022)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	9	6,500	0.1%
United Airlines	3	1,799	0.2%
Delta Air Lines	7	1,595	0.4%
Alaska Airlines	1	1,495	0.1%
American Airlines	7	1,326	0.5%
General Aviation	3	788	0.4%
Netjets	1	395	0.3%
Frontier Airlines	1	359	0.3%
FedEx Express	2	194	1.0%
Flexjet	1	134	0.7%
Aviation Bridge Ltd	2	25	8.0%
Talon Air Inc	1	18	5.6%
Regency Air LLC	1	4	25.0%
CITATION 0245 LLC	1	4	25.0%

Early Turn by Operator (October 2022)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
Southwest Airlines	4	6,500	0.1%
United Airlines	2	1,799	0.1%
SkyWest Airlines	1	1,568	0.1%
Alaska Airlines	1	1,495	0.1%
American Airlines	1	1,326	0.1%
Chrysler Aviation Inc	1	12	8.3%
ROYAL AIR CHARTER LLC	1	2	50.0%

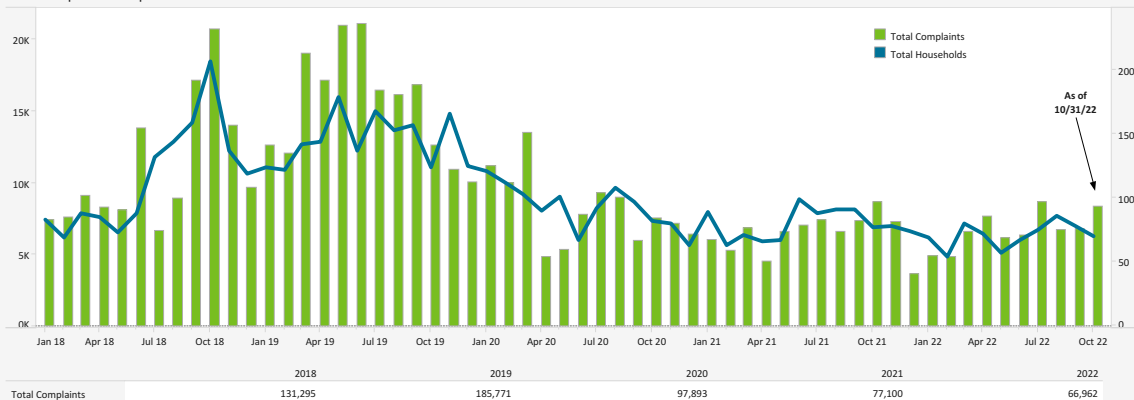
Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

NOISE COMPLAINT STATISTICS

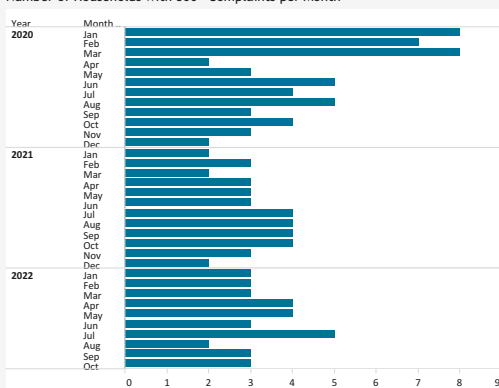


The Authority reports all complaints.

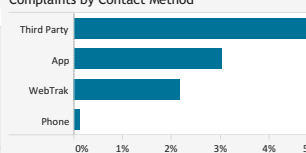
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



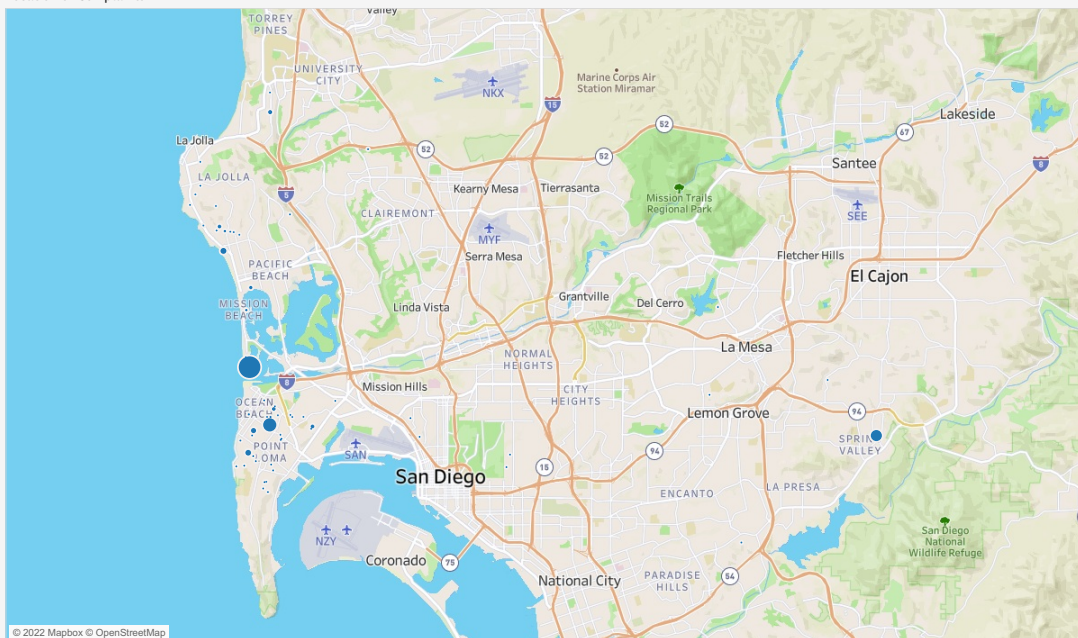
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	8,065	96.7%
Overflight	135	1.6%
Curfew Violation	85	1.0%
Other	24	0.3%
Suspected Off Course	16	0.2%
Fixed Wing	13	0.2%
Too Low	5	0.1%

Number of Complaints by Neighborhood (October 2022)

Neighborhood	Total Complaints	Total Households
Grand Total	8,343	70
Mission Beach	4,084	8
Point Loma Heights	1,834	11
Spring Valley	997	1
Bird Rock	411	4
Sunset Cliffs	315	7
La Jolla Heights	140	2
Loma Portal	122	3
Pacific Beach	90	2
Del Mar	87	1
Muirlands	48	2
Ocean Beach	43	4
La Mesa	37	2
Roseville-Fleet Ridge	31	2
Beach Barber Tract	21	2
Bay Terraces	20	1
La Jolla Mesa	16	3
Wooded Area	15	3
Casa De Oro-Mount Helix	7	1
Del Mar Heights	5	1
Lower Hermosa	5	1
Laguna Niguel	4	1
South Park	4	2
Bankers Hill	2	1
La Jolla	1	1
La Playa	1	1
Middletown	1	1
North Clairemont	1	1
Point Loma	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.