

QUIETER HOME PROGRAM



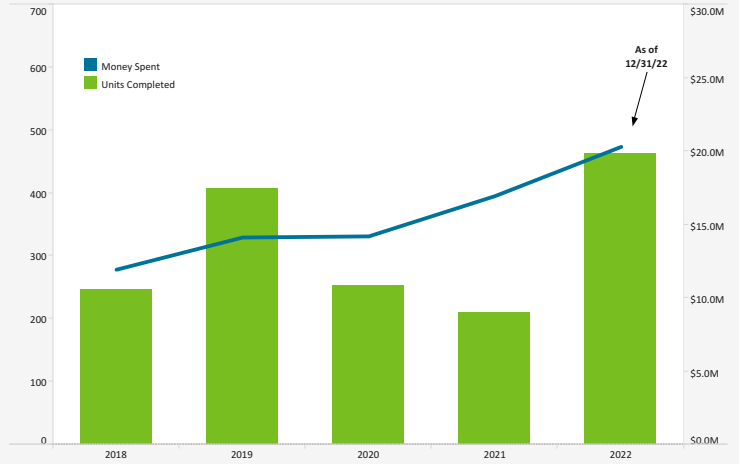
Quieter Home Program As Of: 12/31/2022

Status of Homes	
Added this Month	6
Homes Completed this Month	64
Estimated Homes to Complete in CY 2022	460
Homes on Wait List	610
Total Homes Completed	5,116
Amount Spent on Multi-Family Units (USD) this Month	1,163,022

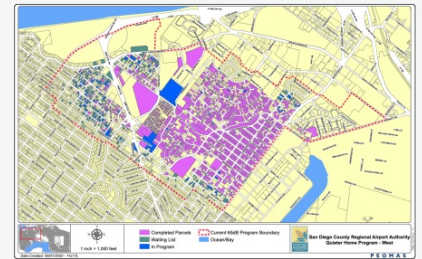
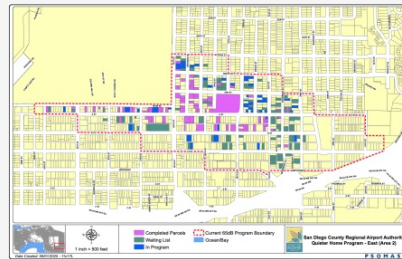
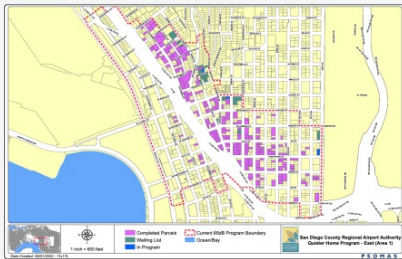
Project	Estimated Construction Start	# Homes
11.4 (QNRP)	In Process	1
11.6	In Process	119
11.7	In Process	53
11.8	In Process	112
11.9	Winter 2023	32
11.10	Winter 2023	142
11.11	Spring 2023	48
11.12	In Process	52
12.1	Summer 2023	33
12.2	Spring 2023	35
12.3	Summer 2023	37
12.4 (QNRP)	Winter 2024	3
12.5 (QNRP)	Spring 2024	3
12.6	Fall 2023	62
12.7	Fall 2023	35
12.8	Winter 2023	12
12.9	Spring 2024	41
12.10	Winter 2024	39
12.11	Spring 2024	25
12.12	Summer 2024	40

QNRP: Quieter Non-Residential Program

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



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.

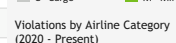
Curfew Violations (November - December 2022)

Date, Time	Airline	Aircraft Type	Status
11/8/2022, 11:32 PM	American Airlines	A321	Not Fined
11/11/2022, 11:48 PM	Breeze Airways	E190	Pending Review
11/11/2022, 12:38 AM	Journey Aviation	GLF5	FINED - \$2,000
11/17/2022, 11:37 PM	jetBlue Airways	A21N	Pending Review
11/21/2022, 12:05 AM	United Airlines	A320	Pending Review
11/26/2022, 11:40 PM	American Airlines	A321	Pending Review
11/28/2022, 12:11 AM	American Airlines	B738	Pending Review
12/2/2022, 12:10 AM	jetBlue Airways	A321	Pending Review
12/4/2022, 11:34 PM	Frontier Airlines	A20N	Pending Review
12/6/2022, 11:38 PM	Small Plane LLC	BE9L	Pending Review
12/15/2022, 11:41 PM	American Airlines	B738	Pending Review
12/17/2022, 12:01 AM	jetBlue Airways	A321	Pending Review
12/21/2022, 12:29 AM	Frontier Airlines	A20N	Pending Review
12/22/2022, 01:14 AM	jetBlue Airways	A321	Pending Review
12/22/2022, 11:47 PM	American Airlines	A321	Pending Review
12/22/2022, 11:51 PM	Delta Air Lines	B752	Pending Review
12/24/2022, 11:46 PM	Alaska Airlines	B39M	Pending Review
12/25/2022, 12:34 AM	Jazz	CRJ9	Pending Review
12/26/2022, 11:44 PM	Alaska Airlines	B739	Pending Review
12/27/2022, 11:43 PM	American Airlines	A321	Pending Review
12/30/2022, 11:42 PM	Allegiant Air	A320	Pending Review
12/30/2022, 11:47 PM	Alaska Airlines	B739	Pending Review

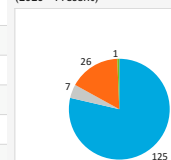
Annual Violations and Penalties Assessed (Year-to-Date)

Year	Total Violations	Fines Assessed
2018	60	\$254,000
2019	46	\$132,000
2020	18	\$16,000
2021	52	\$204,000
2022	89	\$554,000

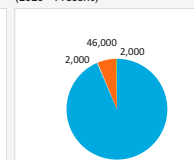
Airline Category



Violations by Airline Category (2020 - Present)

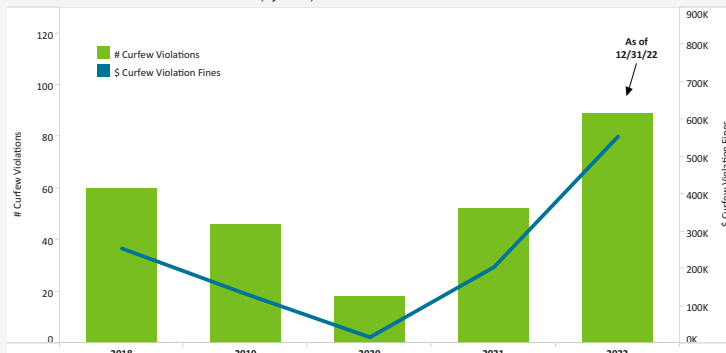


Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
A - Air	125	\$724,000
C - Cargo	7	\$2,000
G - G/A	26	\$46,000
M - Mil	1	\$2,000

Curfew Violations and Penalties Assessed (by Year)



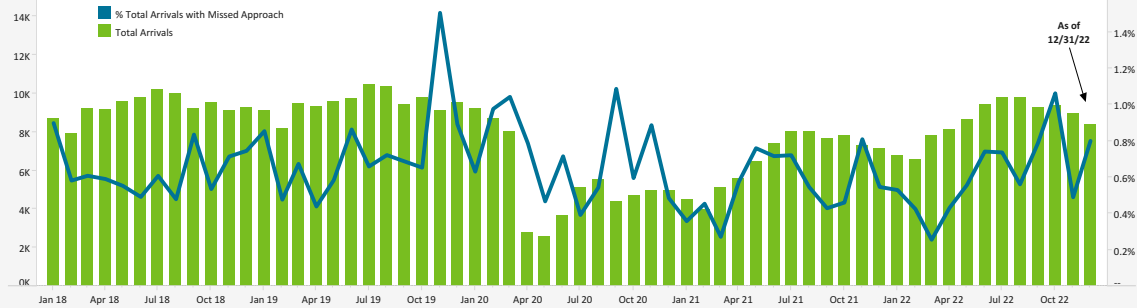
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**MISSED APPROACH STATISTICS**



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

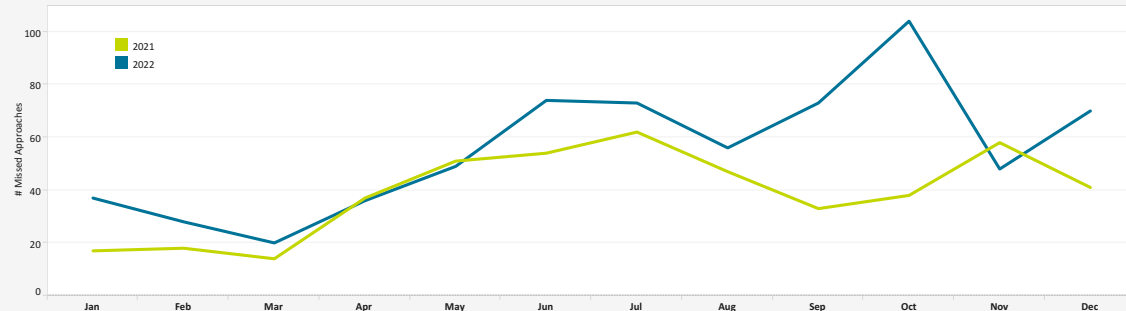


	2018	2019	2020	2021	2022
% Total Arrivals with Missed Approach	0.6%	0.8%	0.7%	0.6%	0.6%
Total Arrivals	111,618	114,193	64,576	79,016	102,974
Total Missed Approaches	721	895	508	470	668

Missed Approach Location Statistics

	Oct		Nov		Dec		Oct	Nov	Dec
	Day	Night	Day	Night	Day	Night			
Between Noise Dot #1 - Noise Dot #2	0	0	1	0	0	0	73	31	43
Between Noise Dot #2 - JETTI	38	4	14	2	19	5	14	8	15
Between JETTI - Noise Dot #3	29	2	12	1	17	2	8	6	11
Between Noise Dot #3 - Noise Dot #4	6	1	5	1	6	1	8	3	1
Between Noise Dot #4 - Noise Dot #5	1	0	0	0	1	0			
Between 265°-295° Heading (Standard)									
East of Airport									
Left of 265°									
Right of 295°									

Total Missed Approaches



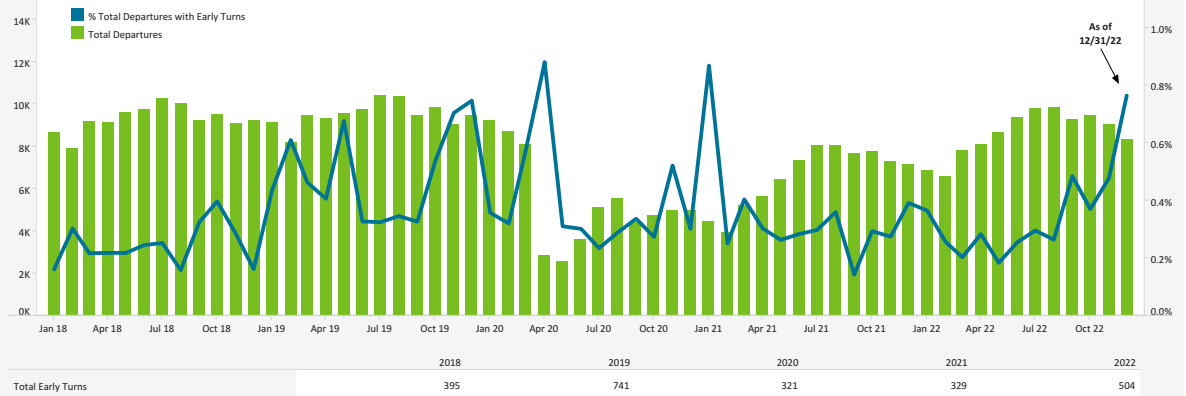
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EARLY TURN STATISTICS



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



Departure Statistics

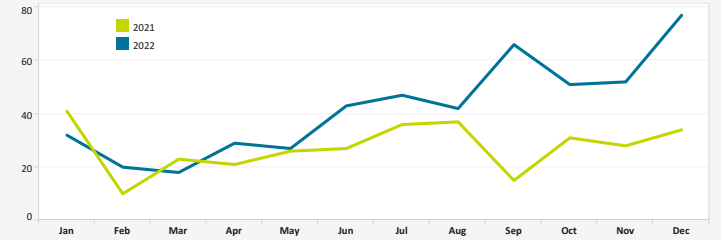
	Oct	Nov	Dec
Jets Turning Left	4,391	4,149	4,076
Between Z2000 and Noise Dots	514	443	615
Compliant with Nighttime departure Heading (290°)	375	466	440
Not Nighttime Compliant - Over La Jolla	39	31	54
Not Nighttime Compliant - Straight Out	7	3	4
Not Nighttime Compliant - East	15	0	3

Cause of Early Turns

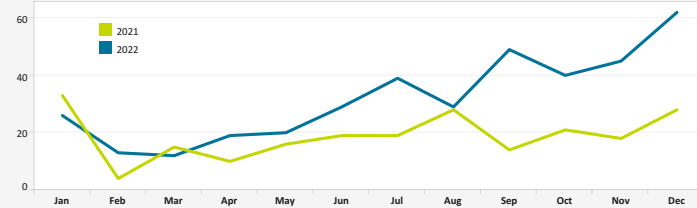
	Oct	Nov	Dec
Caused by ATC Vectors	50	50	64
Caused by Pilot Deviation	0	1	3
Caused by Weather	3	1	8



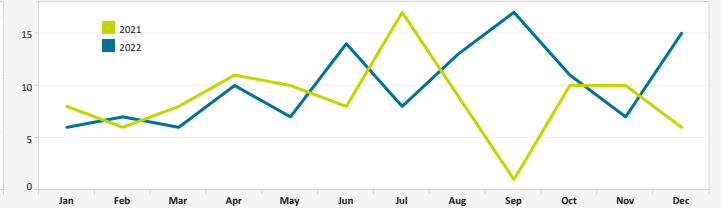
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (December 2022)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	12	5,474	0.2%
SkyWest Airlines	3	1,483	0.2%
Alaska Airlines	1	1,463	0.1%
Delta Air Lines	11	1,445	0.8%
United Airlines	9	1,423	0.6%
American Airlines	6	1,300	0.5%
General Aviation	2	629	0.3%
Frontier Airlines	1	352	0.3%
NetJets	2	335	0.6%
jetBlue Airways	7	313	2.2%
FedEx	2	287	0.7%
Flexjet	1	113	0.9%
Western Air Charter Inc.	1	16	6.3%
MLW LA PALOMA INC	1	10	10.0%
TVPX AIRCRAFT SOLUTIONS INC TRUST..	1	8	12.5%
ROYAL AIR CHARTER LLC	1	4	25.0%
HIGHLAND AIRCRAFT LLC	1	2	50.0%

Early Turn by Operator (December 2022)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
Southwest Airlines	2	5,474	0.0%
Alaska Airlines	1	1,463	0.1%
Delta Air Lines	1	1,445	0.1%
General Aviation	1	629	0.2%
Frontier Airlines	2	352	0.6%
NetJets	3	335	0.9%
Flexjet	1	113	0.9%
Lufthansa	1	38	2.6%
MLW LA PALOMA INC	1	10	10.0%
ROYAL AIR CHARTER LLC	1	4	25.0%
PORTLAND FALCON 20 LLC	1	2	50.0%

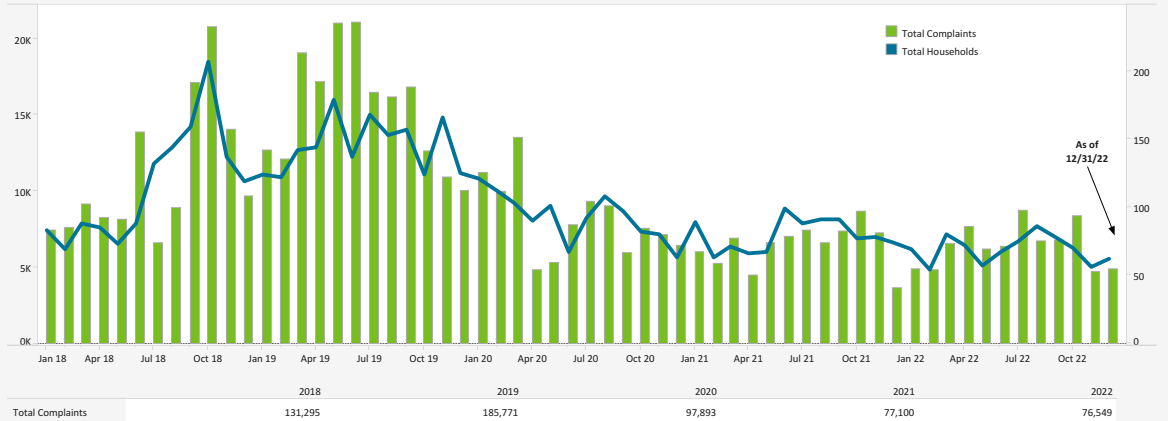
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**NOISE COMPLAINT STATISTICS**

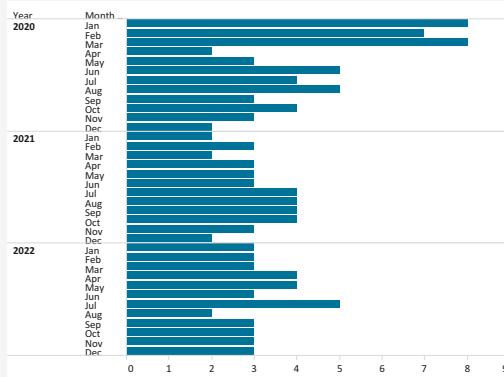


The Authority reports all complaints.

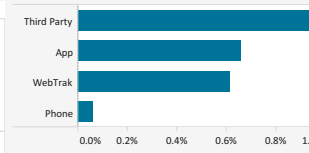
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



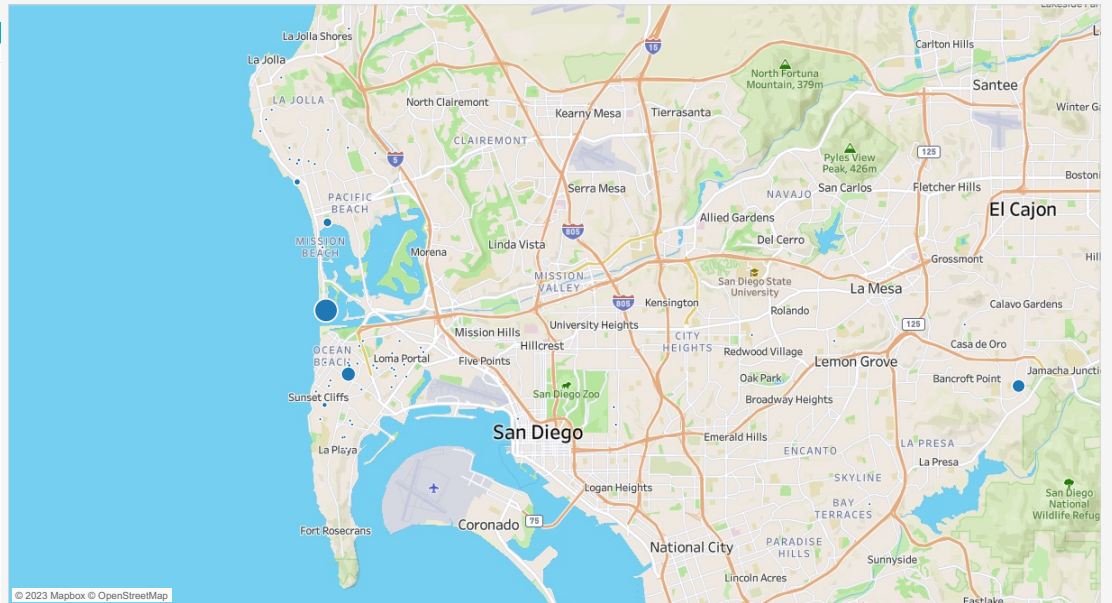
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	4,851	99.5%
Curfew Violation	10	0.2%
Suspected Off Course	6	0.1%
Too Low	5	0.1%
Overlight	3	0.1%

Number of Complaints by Neighborhood (December 2022)

Neighborhood	Total Complaints	Total Households
Grand Total	4,875	62
Mission Beach	2,494	3
Point Loma Heights	958	11
Spring Valley	701	1
Pacific Beach	292	2
Bird Rock	156	3
Sunset Cliffs	84	4
Muirlands	30	2
Ocean Beach	24	1
Loma Portal	23	10
La Jolla Heights	18	1
Bay Terraces	10	1
Beach Barber Tract	10	2
Del Mar	10	1
Wooded Area	9	2
El Cerrito	8	1
La Mesa	7	1
Del Mar Heights	6	1
Lower Hermosa	6	1
Roseville-Fleet Ridge	5	2
Casa De Oro-Mount Helix	4	1
La Playa	4	1
Carlsbad	3	1
La Jolla Mesa	3	2
Laguna Niguel	3	1
Mt Soledad	2	1
South Park	2	2
La Jolla Alta	1	1
La Jolla Village	1	1
Little Italy	1	1

Location of Complaints



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