

QUIETER HOME PROGRAM



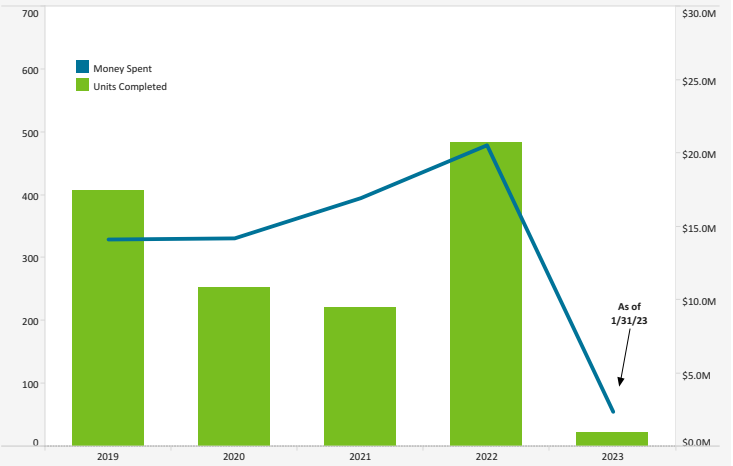
Quieter Home Program As Of: 1/31/2023

Status of Homes	
Added this Month	3
Homes Completed this Month	41
Estimated Homes to Complete in CY 2022	400
Homes on Wait List	556
Total Homes Completed	5,169
Amount Spent on Multi-Family Units (USD) this Month	25,608

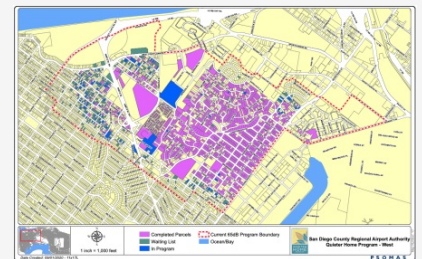
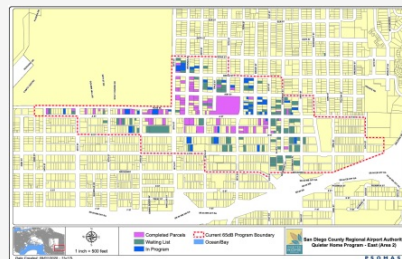
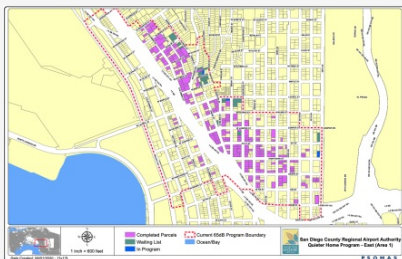
Project	Estimated Construction Start	# Homes
11.4 (QNRP)	In Process	1
11.6	In Process	119
11.7	In Process	53
11.8	In Process	112
11.9	Winter 2023	32
11.10	Winter 2023	142
11.11	Spring 2023	48
11.12	In Process	52
12.1	Summer 2023	33
12.2	Spring 2023	35
12.3	Summer 2023	37
12.4 (QNRP)	Winter 2024	3
12.5 (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 (December 2022 - January 2023)

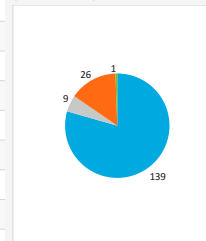
Date, Time	Airline	Aircraft Type	Status
12/2/2022, 12:10 AM	jetBlue Airways	A321	FINED - \$40,000
12/4/2022, 11:34 PM	Frontier Airlines	A20N	FINED - \$2,000
12/6/2022, 11:38 PM	Small Plane LLC	BE9L	FINED - \$2,000
12/15/2022, 11:41 PM	American Airlines	B738	Not Fined
12/17/2022, 12:01 AM	jetBlue Airways	A321	FINED - \$40,000
12/21/2022, 12:29 AM	Frontier Airlines	A20N	FINED - \$6,000
12/22/2022, 01:14 AM	jetBlue Airways	A321	FINED - \$40,000
12/22/2022, 11:47 PM	American Airlines	A321	Not Fined
12/22/2022, 11:51 PM	Delta Air Lines	B752	Not Fined
12/24/2022, 11:46 PM	Alaska Airlines	B39M	Not Fined
12/25/2022, 12:34 AM	Jazz	CRJ9	FINED - \$2,000
12/26/2022, 11:44 PM	Alaska Airlines	B739	FINED - \$30,000
12/27/2022, 11:43 PM	American Airlines	A321	Not Fined
12/30/2022, 11:42 PM	Allegiant Air	A320	FINED - \$12,000
12/30/2022, 11:47 PM	Alaska Airlines	B739	FINED - \$50,000
1/1/2023, 11:33 PM	Alaska Airlines	B739	Pending Review
1/1/2023, 12:06 AM	jetBlue Airways	A320	Pending Review
1/2/2023, 11:52 PM	Alaska Airlines	B739	Pending Review
1/2/2023, 12:35 AM	jetBlue Airways	A321	Pending Review
1/3/2023, 11:30 PM	United Airlines	B737	Pending Review
1/3/2023, 11:32 PM	American Airlines	A321	Pending Review
1/3/2023, 11:35 PM	FedEx	B752	Pending Review
1/3/2023, 11:38 PM	Alaska Airlines	B739	Pending Review
1/3/2023, 11:40 PM	Delta Air Lines	A21N	Pending Review
1/3/2023, 11:55 PM	American Airlines	A321	Pending Review
1/3/2023, 12:25 AM	Alaska Airlines	B739	Pending Review
1/4/2023, 12:26 AM	Alaska Airlines	B738	Pending Review
1/7/2023, 11:33 PM	Delta Air Lines	B738	Pending Review
1/15/2023, 12:13 AM	jetBlue Airways	A321	Pending Review
1/23/2023, 12:18 AM	United Airlines	A320	Pending Review
1/24/2023, 01:33 AM	FedEx	B752	Pending Review

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

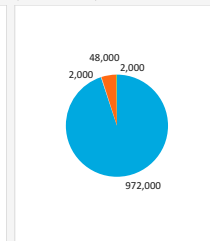
Year	Total Violations	Fines Assessed
2019	46	\$132,000
2020	18	\$16,000
2021	52	\$204,000
2022	89	\$804,000
2023	16	\$0

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

Violations by Airline Category (2020 - Present)

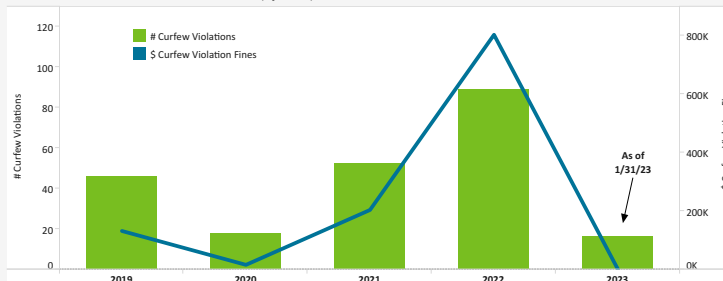


Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
A - Air	139	\$972,000
C - Cargo	9	\$2,000
G - G/A	26	\$48,000
M - Mil	1	\$2,000

Curfew Violations and Penalties Assessed (by Year)



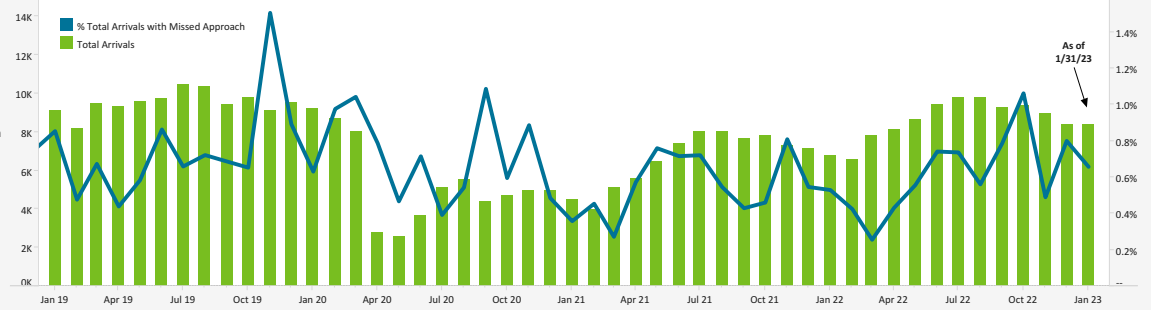
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**MISSED APPROACH STATISTICS**



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

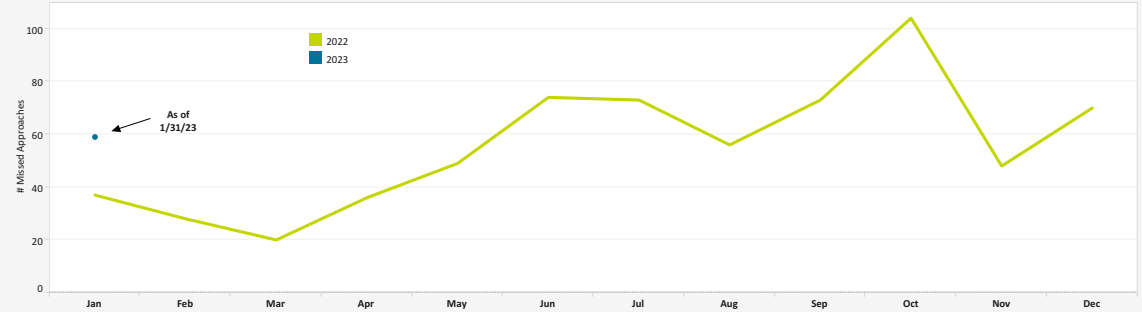


	2019	2020	2021	2022	2023
% Total Arrivals with Missed Approach	0.8%	0.7%	0.6%	0.6%	0.7%
Total Arrivals	114,193	64,576	79,016	102,974	8,363
Total Missed Approaches	895	508	470	668	59

Missed Approach Location Statistics

	Nov		Dec		Jan			Nov	Dec	Jan
	Day	Night	Day	Night	Day	Night				
Between Noise Dot #1 - Noise Dot #2	1	0	0	0	1	0	Between 265°-295° Heading (Standard)	31	43	39
Between Noise Dot #2 - JETTI	14	2	19	5	26	2	East of Airport	8	15	7
Between JETTI - Noise Dot #3	12	1	17	2	8	2	Left of 265°	6	11	9
Between Noise Dot #3 - Noise Dot #4	5	1	6	1	7	1	Right of 295°	3	1	3
Between Noise Dot #4 - Noise Dot #5	0	0	1	0	1	0				

Total Missed Approaches



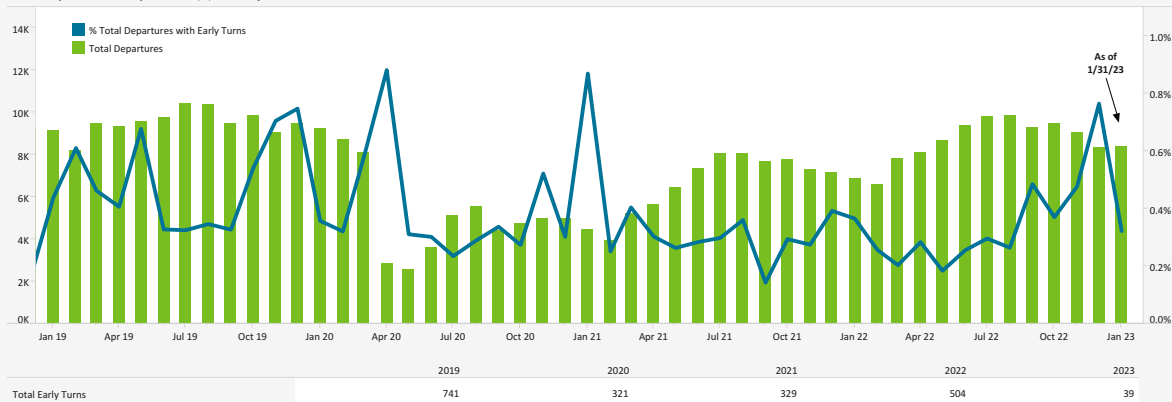
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EARLY TURN STATISTICS



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

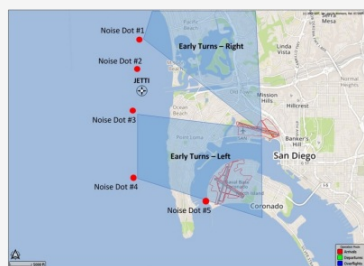


Departure Statistics

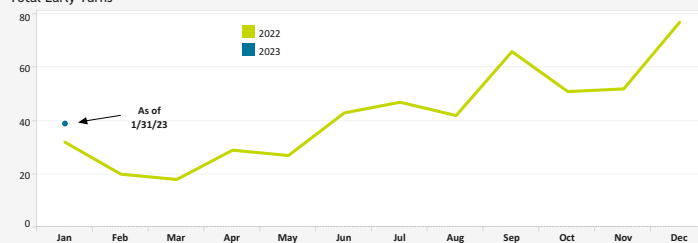
	Nov	Dec	Jan
Jets Turning Left	4,152	4,080	3,534
Between Z2000 and Noise Dots	443	616	510
Compliant with Nighttime departure Heading (290°)	466	440	341
Not Nighttime Compliant - Over La Jolla	31	54	17
Not Nighttime Compliant - Straight Out	3	4	1
Not Nighttime Compliant - East	0	3	37

Cause of Early Turns

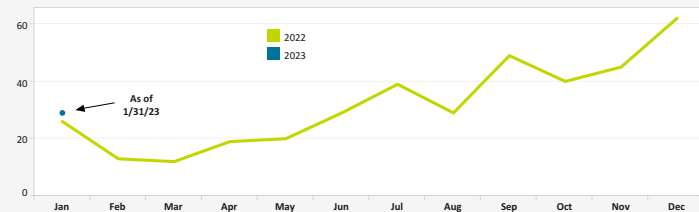
	Nov	Dec	Jan
Caused by ATC Vectors	50	64	38
Caused by Pilot Deviation	1	3	1
Caused by Weather	1	8	0



Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (January 2023)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	7	5,703	0.1%
Alaska Airlines	4	1,544	0.3%
SkyWest Airlines	2	1,448	0.1%
Delta Air Lines	2	1,397	0.1%
United Airlines	1	1,369	0.1%
American Airlines	1	1,298	0.1%
General Aviation	3	716	0.4%
NetJets	1	316	0.3%
Frontier Airlines	3	281	1.1%
Hawaiian Airlines	1	125	0.8%
UPS Airlines	1	68	1.5%
AirSprint	1	16	6.3%
BEACH AIR II LLC	1	4	25.0%
BE AVIATION LLC	1	2	50.0%

Early Turns by Operator (January 2023)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
Southwest Airlines	2	5,703	0.0%
SkyWest Airlines	2	1,448	0.1%
American Airlines	1	1,298	0.1%
General Aviation	1	716	0.1%
NetJets	1	316	0.3%
Jazz	1	114	0.9%
TEXTRON FINANCIAL CORP	1	12	8.3%
Gama Aviation LLC	1	10	10.0%

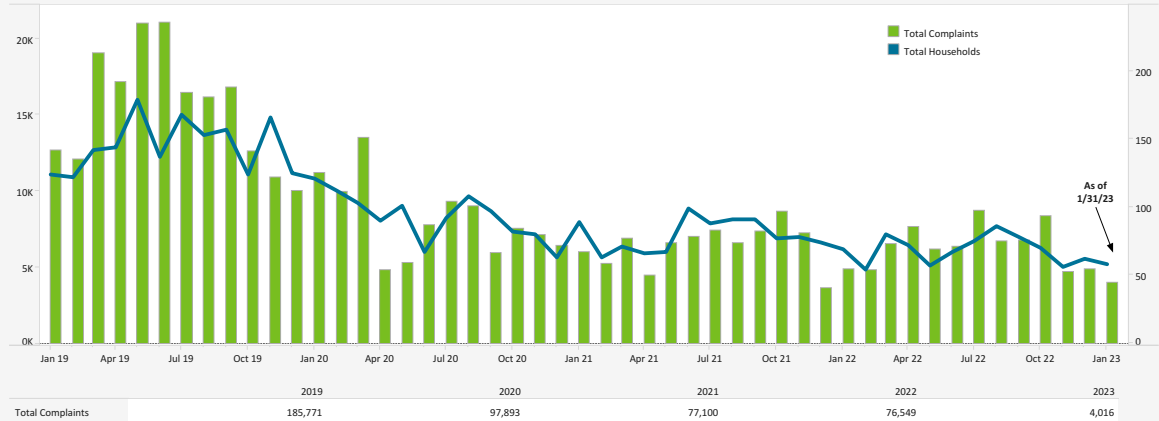
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**NOISE COMPLAINT STATISTICS**

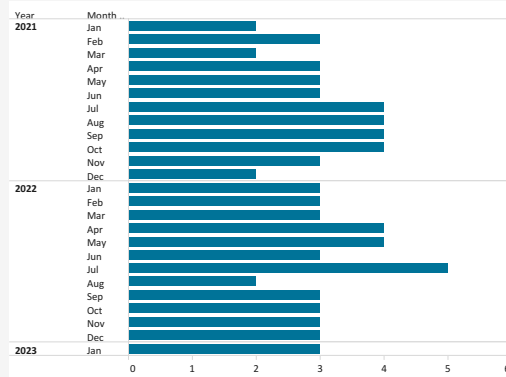


The Authority reports all complaints.

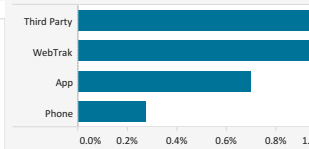
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



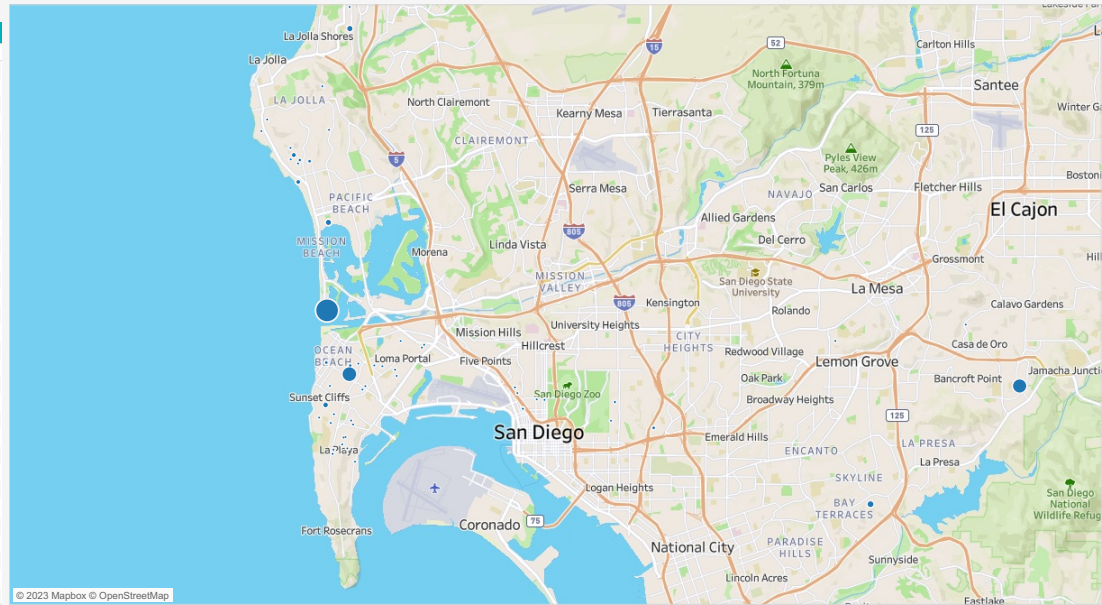
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	3,967	98.8%
Curfew Violation	24	0.6%
Suspected Off Course	13	0.3%
Too Low	5	0.1%
Overlight	4	0.1%
Off Course	3	0.1%

Number of Complaints by Neighborhood (January 2023)

Neighborhood	Total Complaints	Total Households
Grand Total	4,016	58
Mission Beach	1,827	1
Point Loma Heights	754	8
Spring Valley	659	1
Bay Terraces	124	1
Bird Rock	118	4
La Jolla Heights	98	2
Pacific Beach	94	1
Sunset Cliffs	92	4
Del Mar	54	1
La Jolla Mesa	27	1
Ocean Beach	26	1
Gateway	25	1
Muirlands	23	2
SouthPark	16	1
Little Italy	13	1
Wooded Area	10	5
Roseville-Fleet Ridge	9	2
Beach Barber Tract	8	1
Loma Portal	8	4
Del Mar Heights	6	1
Bankers Hill	5	3
La Mesa	5	1
La Playa	4	3
Lower Hermosa	3	1
South Park	2	1
Casa De Oro-Mount Helix	1	1
La Jolla	1	1
La Jolla Alta	1	1
Laguna Niguel	1	1
Middletown	1	1
Midway District	1	1

Location of Complaints



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