

QUIETER HOME PROGRAM



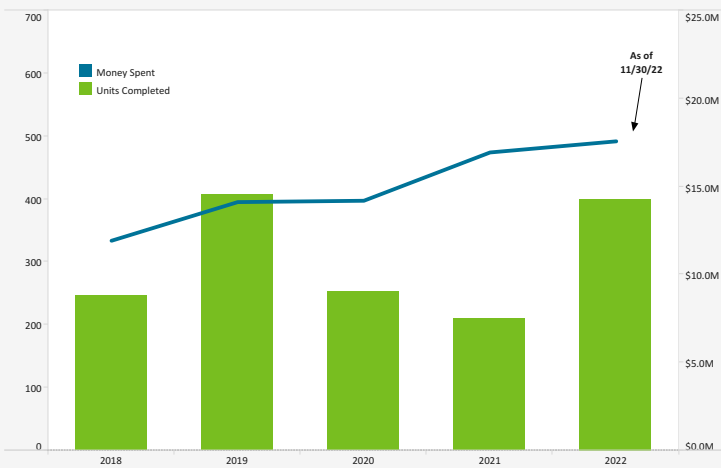
Quieter Home Program As Of: 11/30/2022

Status of Homes	
Added this Month	6
Homes Completed this Month	18
Estimated Homes to Complete in CY 2022	400
Homes on Wait List	629
Total Homes Completed	5,052
Amount Spent on Multi-Family Units (USD) this Month	187,274

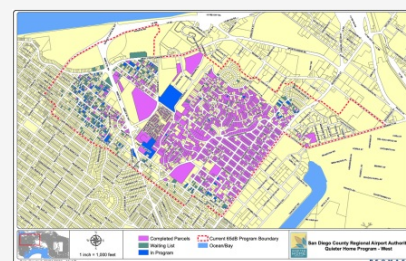
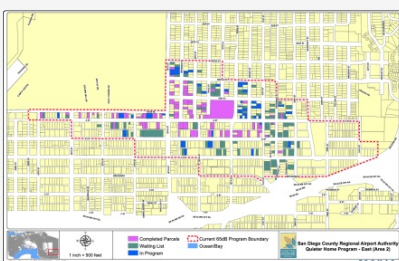
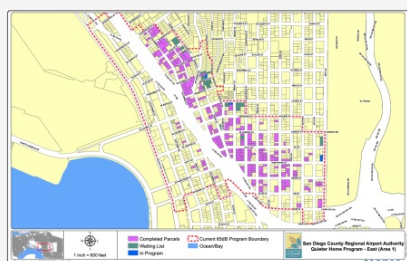
Project	Estimated Construction Start	# Homes
11.4 (QNRP)	Winter 2022	1
11.6	In Process	119
11.7	In Process	53
11.8	In Process	112
11.9	Winter 2023	32
11.10	Winter 2023	142
11.11	Winter 2023	48
11.12	In Process	52
12.1	Summer 2023	33
12.2	Spring 2023	35
12.3	Summer 2023	37
12.4 (QNRP)	Winter 2024	3
12.5 (QNRP)	Winter 2024	3
12.6	Fall 2023	62
12.7	Fall 2023	35
12.8	Spring 2024	12
12.9	Spring 2024	41
12.10	Spring 2024	39
12.11	Summer 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.

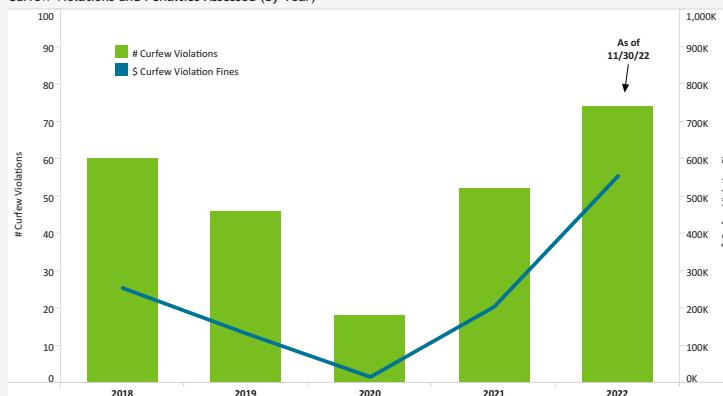
Curfew Violations (October - November 2022)

Date, Time	Airline	Aircraft Type	Status
10/1/2022, 12:31 AM	Delta Air Lines	B752	Not Fined
10/3/2022, 01:10 AM	American Airlines	A321	Not Fined
10/19/2022, 11:35 PM	National Airlines	A332	FINED - \$2,000
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

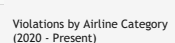
Annual Violations and Penalties Assessed (Year-to-Date)

Year	Total Violations	Fines Assessed
2018	60	\$254,000
2019	46	\$132,000
2020	18	\$16,000
2021	52	\$204,000
2022	74	\$554,000

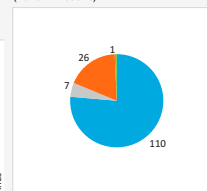
Curfew Violations and Penalties Assessed (by Year)



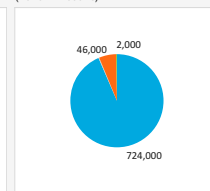
Airline Category



Violations by Airline Category (2020 - Present)



Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
A - Air	110	\$724,000
C - Cargo	7	\$2,000
G - G/A	26	\$46,000
M - Mil	1	\$2,000

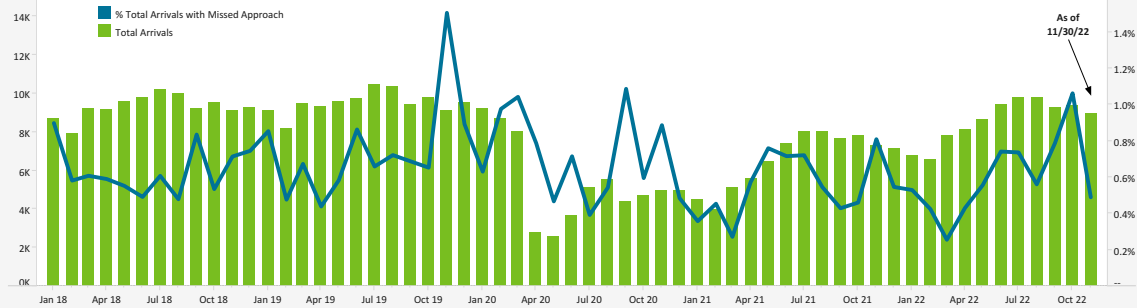
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MISSED APPROACH STATISTICS



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

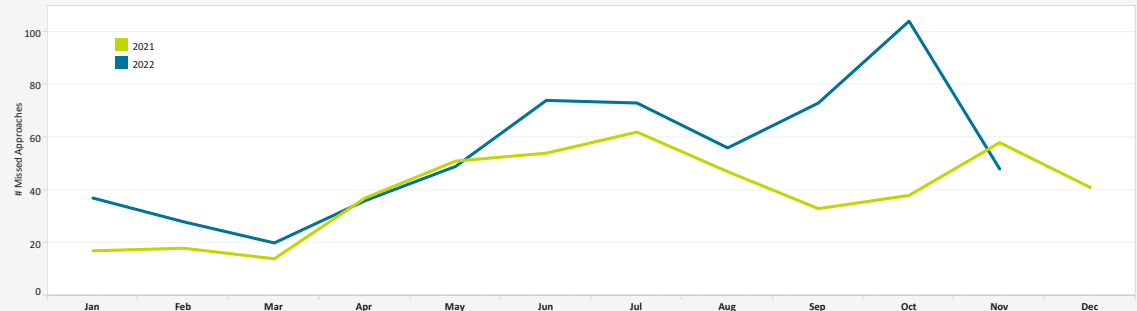


	2018	2019	2020	2021	2022
% Total Arrivals with Missed Approach	0.6%	0.8%	0.7%	0.6%	0.6%
Total Arrivals	111,618	114,193	64,576	79,016	94,602
Total Missed Approaches	721	895	508	470	598

Missed Approach Location Statistics

	Sep		Oct		Nov		Sep	Oct	Nov
	Day	Night	Day	Night	Day	Night			
Between Noise Dot #1 - Noise Dot #2	0	2	0	0	1	0	49	73	31
Between Noise Dot #2 - JETTI	23	2	38	4	14	2	10	14	8
Between JETTI - Noise Dot #3	20	3	29	2	12	1	9	8	6
Between Noise Dot #3 - Noise Dot #4	6	1	6	1	5	1	11	8	3
Between Noise Dot #4 - Noise Dot #5	1	1	1	0	0	0			

Total Missed Approaches



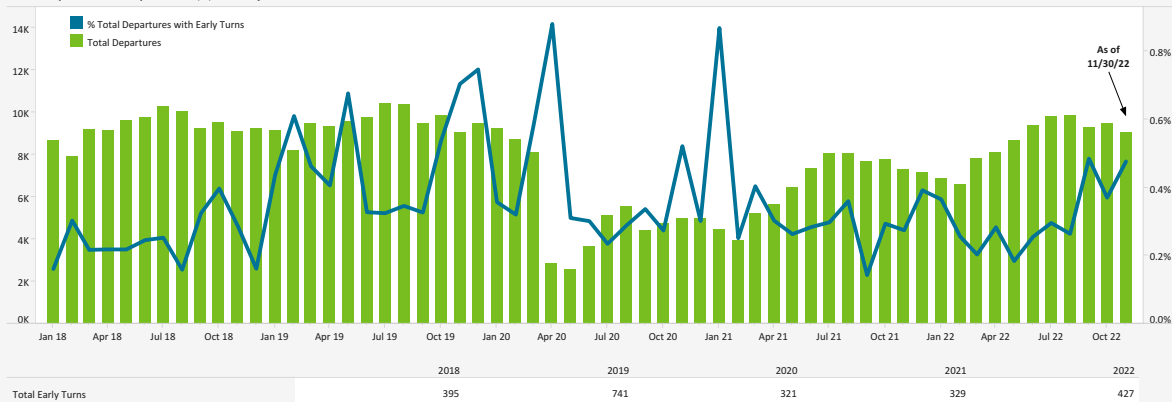
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EARLY TURN STATISTICS



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

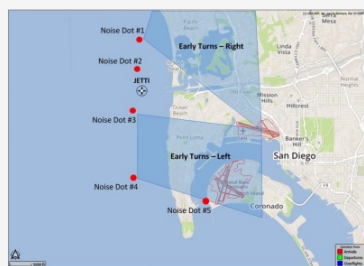


Departure Statistics

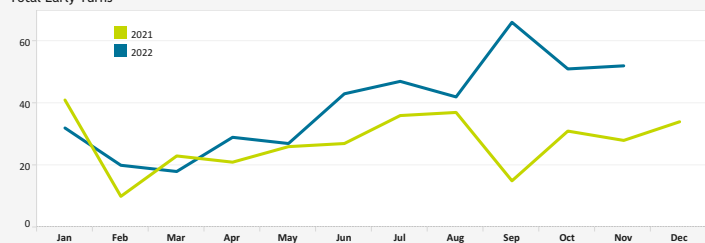
	Sep	Oct	Nov
Jets Turning Left	4,207	4,391	4,149
Between Z2000 and Noise Dots	506	514	443
Compliant with Nighttime departure Heading (290°)	367	375	466
Not Nighttime Compliant - Over La Jolla	43	39	31
Not Nighttime Compliant - Straight Out	7	7	3
Not Nighttime Compliant - East	0	15	0

Cause of Early Turns

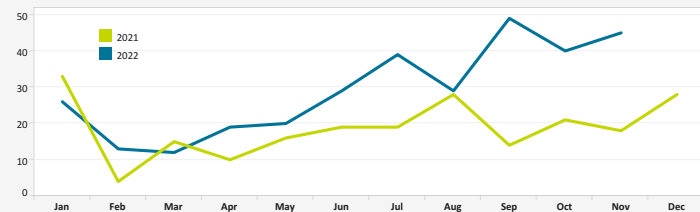
	Sep	Oct	Nov
Caused by ATC Vectors	66	50	50
Caused by Pilot Deviation	0	0	1
Caused by Weather	0	3	1



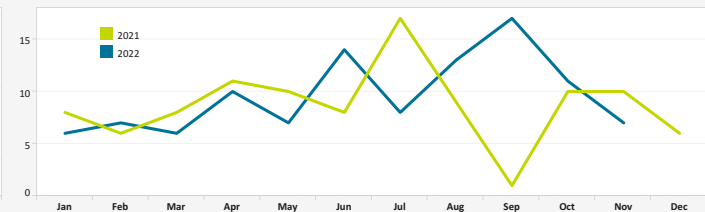
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (November 2022)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	10	6,348	0.2%
Alaska Airlines	3	1,520	0.2%
United Airlines	8	1,507	0.5%
Delta Air Lines	5	1,438	0.3%
American Airlines	4	1,276	0.3%
General Aviation	3	719	0.4%
Frontier Airlines	2	329	0.6%
NetJets	1	305	0.3%
BOEING COMPANY	1	114	0.9%
BANK OF UTAH TRUSTEE	1	70	1.4%
JetBlue Airways	1	58	1.7%
DELTA AIR LINES INC	1	54	1.9%
World Atlantic Airlines	1	28	3.6%
SunWest Aviation	1	4	25.0%
CITATION 0245 LLC	1	4	25.0%
Royal Saudi Medical Services	1	2	50.0%
LB EAGLE AVIATION LLC	1	2	50.0%

Early Turn by Operator (November 2022)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
SkyWest Airlines	2	1,567	0.1%
General Aviation	3	719	0.4%
Chrysler Aviation Inc	1	10	10.0%
BELL AVENUE AVIATION LLC	1	2	50.0%

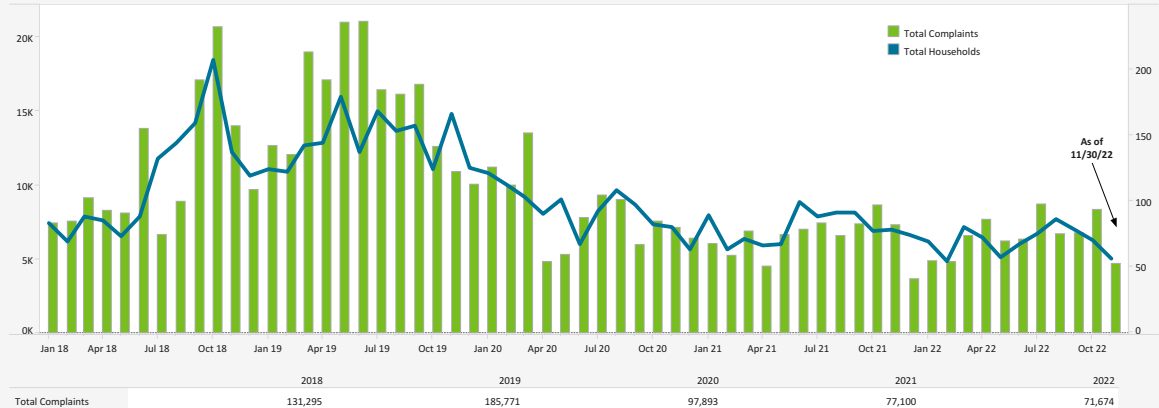
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NOISE COMPLAINT STATISTICS

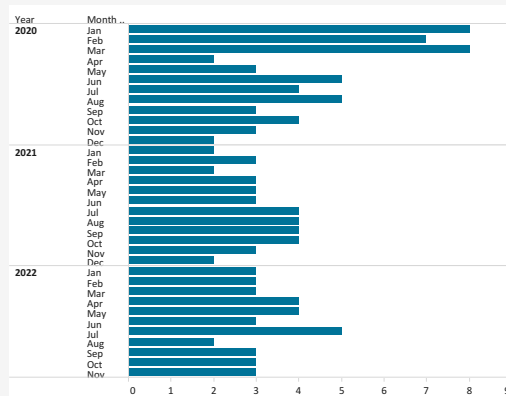


The Authority reports all complaints.

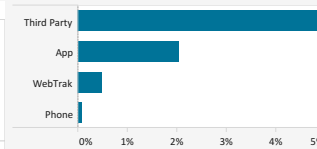
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



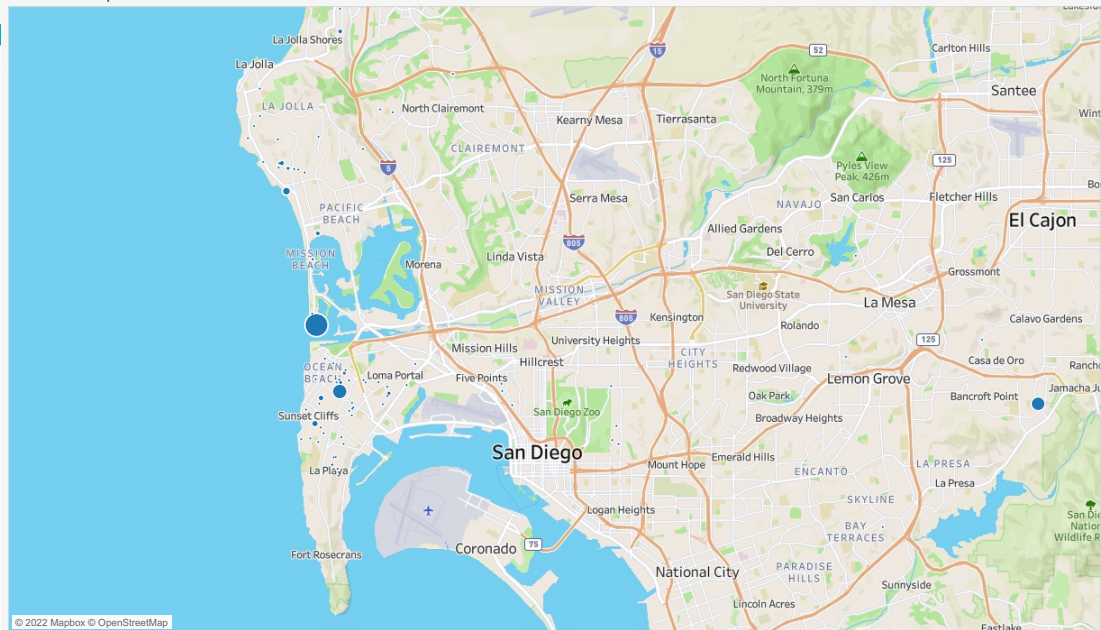
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	4,666	99.0%
Curfew Violation	22	0.5%
Overflight	13	0.3%
Suspected Off Course	10	0.2%
Too Low	1	0.0%

Number of Complaints by Neighborhood (November 2022)

Neighborhood	Total Complaints	Total Households
Grand Total	4,712	56
Mission Beach	2,170	3
Point Loma Heights	946	9
Spring Valley	935	1
Bird Rock	337	4
Pacific Beach	71	1
Sunset Cliffs	56	2
Muirlands	51	1
La Jolla Heights	31	2
Loma Portal	26	5
Beach Barber Tract	18	2
Del Mar	12	1
Lower Hermosa	8	1
Ocean Beach	8	3
Wooded Area	8	4
La Mesa	7	2
Del Mar Heights	5	1
North Clairemont	4	2
South Park	4	2
La Jolla Mesa	3	1
Laguna Niguel	3	1
Casa De Oro-Mount Helix	2	1
Roseville-Fleet Ridge	2	2
La Jolla Alta	1	1
Loma Heights	1	1
Middletown	1	1
North Park	1	1
Otay Ranch	1	1

Location of Complaints



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