

QUIETER HOME PROGRAM



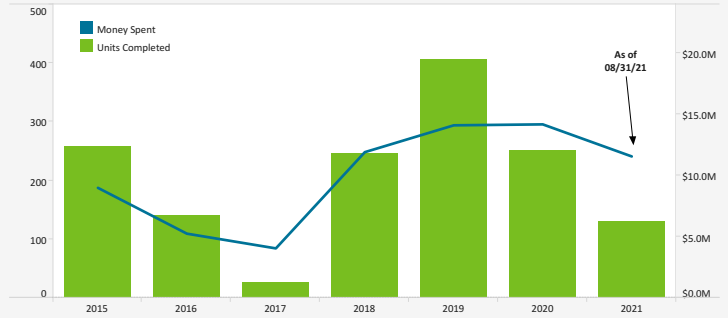
Quieter Home Program As Of: 08/31/2021

Status of Homes	
Added this month	3
Estimated Homes to Complete in CY 2021	350
Homes Completed this month (August 2021)	13
Homes on Wait List as of 08/31/21	1,135
Total Homes Completed (through 08/31/21)	4,574

Project	Estimated Construction Start	# Homes
10.10	In Process	36
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

QNRP: Quieter Non-Residential Pr..

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



Post – Construction Homeowner Survey Results

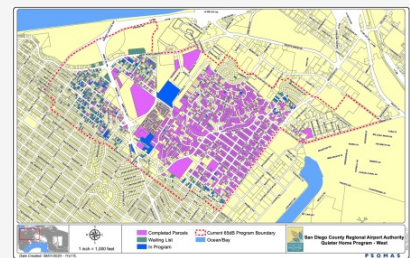
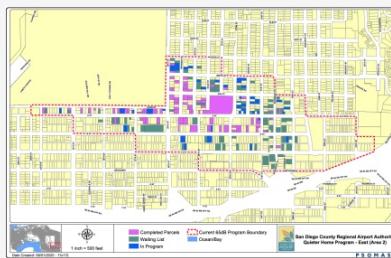
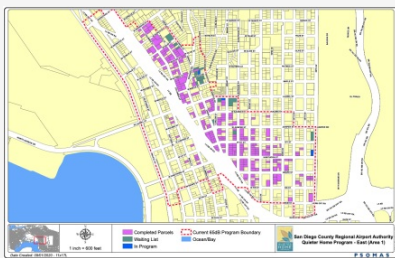
Overall Experience

Excellent	Satisfied	Unsatisfied
75%	22%	3%

Effectiveness

Question1	Answer1	Percentage
Effectiveness of Doors	Significant Improvement	82%
	Slight Improvement	13%
	No Improvement	4%
	Not Installed	1%
Effectiveness of Ventilation	Significant Improvement	72%
	Slight Improvement	12%
	No Improvement	8%
	Not Installed	8%
Effectiveness of Windows	Significant Improvement	87%
	Slight Improvement	11%
	No Improvement	2%
	Not Installed	0%

Program Boundary Maps



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CURFEW VIOLATIONS

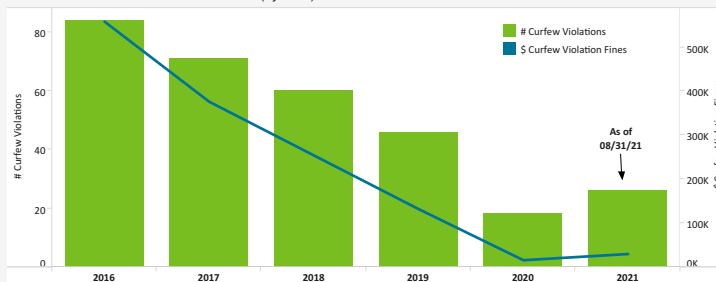


Noise Curfew Violations: Any aircraft that departs after 11:30 p.m. and before 6:30 a.m. is subject to a penalty.

Curfew Violations (July-August 2021)

Date, Time	Airline	Aircraft Type	Status
7/6/2021, 12:16 AM	jetBlue Airways	A321	Pending Review
7/11/2021, 12:37 AM	jetBlue Airways	A320	Pending Review
7/14/2021, 11:52 PM	Vistalet	GLEX	Pending Review
7/15/2021, 11:45 PM	Horizon Air	E75L	Pending Review
8/1/2021, 11:55 PM	SkyWest Airlines	E75L	Pending Review
8/2/2021, 11:43 PM	Allegiant Air	A319	Pending Review
8/3/2021, 11:38 PM	Horizon Air	E75L	Pending Review
8/4/2021, 12:00 AM	SkyWest Airlines	E75L	Pending Review
8/8/2021, 12:26 AM	Horizon Air	E75L	Pending Review
8/13/2021, 11:51 PM	SkyWest Airlines	E75L	Pending Review
8/14/2021, 12:10 AM	Horizon Air	E75L	Pending Review

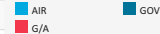
Curfew Violations and Penalties Assessed (by Year)



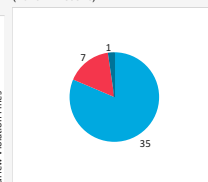
Annual Violations and Penalties Assessed (Year-to-Date)

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	26	\$30,000

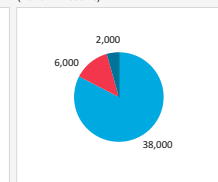
Airline Category



Violations by Airline Category (2020 - Present)



Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	35	\$38,000
G/A	7	\$6,000
GOV	1	\$2,000

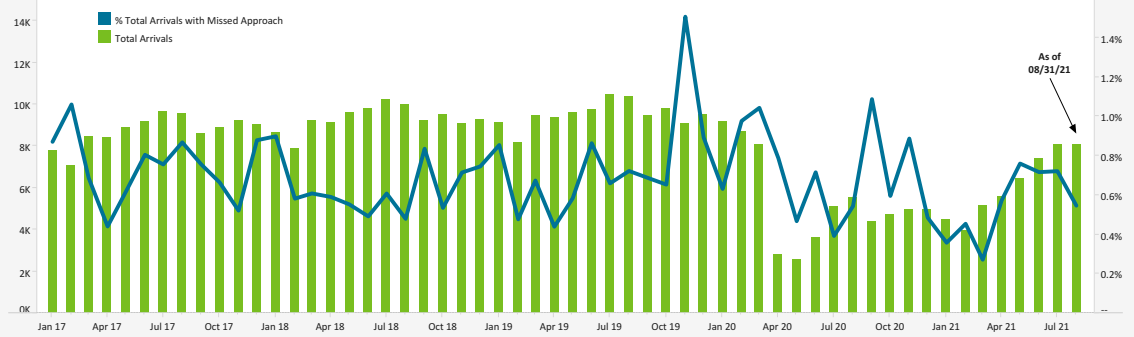
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MISSSED APPROACH STATISTICS



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

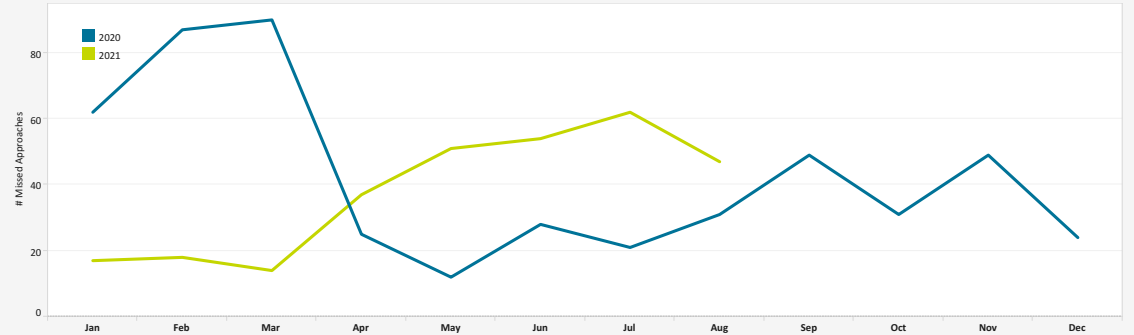


	2017	2018	2019	2020	2021
% Total Arrivals with Missed Approach	0.7%	0.6%	0.8%	0.7%	0.6%
Total Arrivals	104,725	111,618	114,193	64,576	49,107
Total Missed Approaches	795	721	895	508	300

Missed Approach Location Statistics

	Jun		Jul		Aug			Jun	Jul	Aug
	Day	Night	Day	Night	Day	Night				
Between Noise Dot #1 - Noise Dot #2	0	1	1	0	0	1	Between 265°-295° Heading (Standard)	38	38	30
Between Noise Dot #2 - JETTI	18	3	22	1	15	3	East of Airport	10	11	6
Between JETTI - Noise Dot #3	15	1	11	3	7	4	Left of 265°	4	8	7
Between Noise Dot #3 - Noise Dot #4	2	0	5	2	5	1	Right of 295°	2	4	1
Between Noise Dot #4 - Noise Dot #5	2	0	1	0	1	0				

Total Missed Approaches



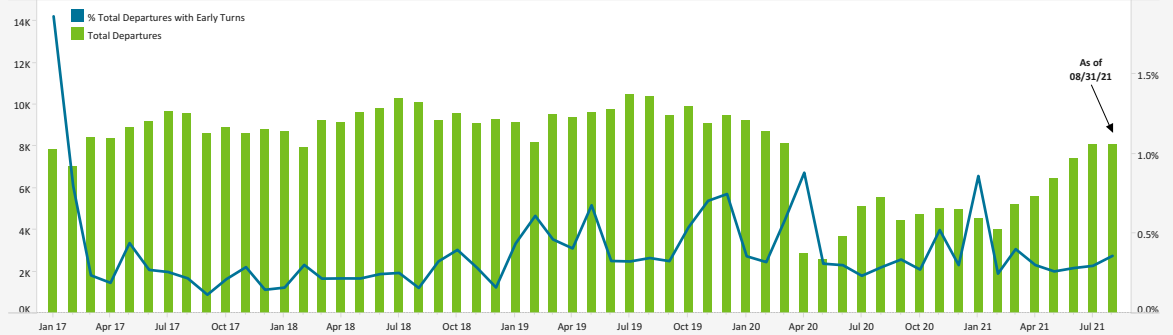
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EARLY TURN STATISTICS



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



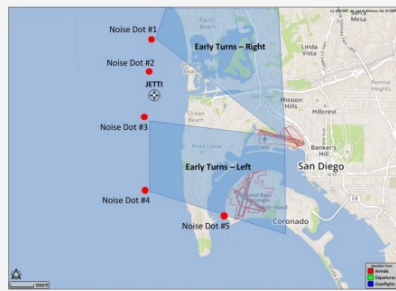
	2017	2018	2019	2020	2021
Total Early Turns	558	395	741	321	221

Departure Statistics

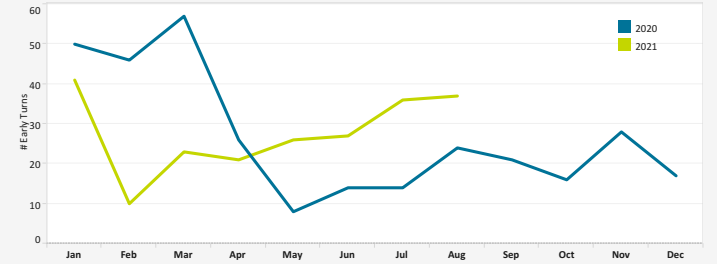
	Jun	Jul	Aug
Jets Turning Left	3,741	4,166	4,113
Between Z2000 and Noise Dots	583	690	632
Compliant with Nighttime departure Heading (290°)	351	453	434
Not Nighttime Compliant - Over La Jolla	21	15	0
Not Nighttime Compliant - Straight Out	9	2	6
Not Nighttime Compliant - East	0	0	0

Cause of Early Turns

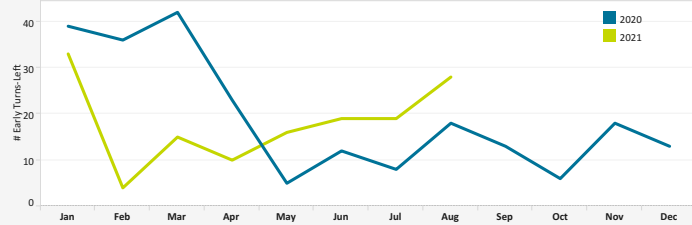
	Jun	Jul	Aug
Caused by ATC Vectors	24	28	30
Caused by Pilot Deviation	3	2	8
Caused by Weather	0	5	0



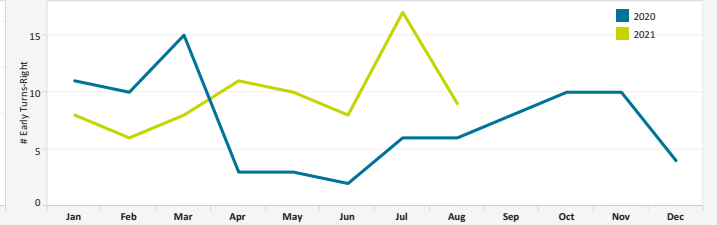
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (August 2021)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
General Aviation	9	2,395	0.4%
American Airlines	6	1,384	0.4%
United Airlines	5	1,440	0.3%
Southwest Airlines	5	4,221	0.1%
Delta Air Lines	2	1,308	0.2%
FedEx Express	1	316	0.3%

Early Turn by Operator (August 2021)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
General Aviation	6	2,395	0.3%
United Airlines	1	1,440	0.1%
Horizon Air	1	847	0.1%
Hawaiian Airlines	1	128	0.8%

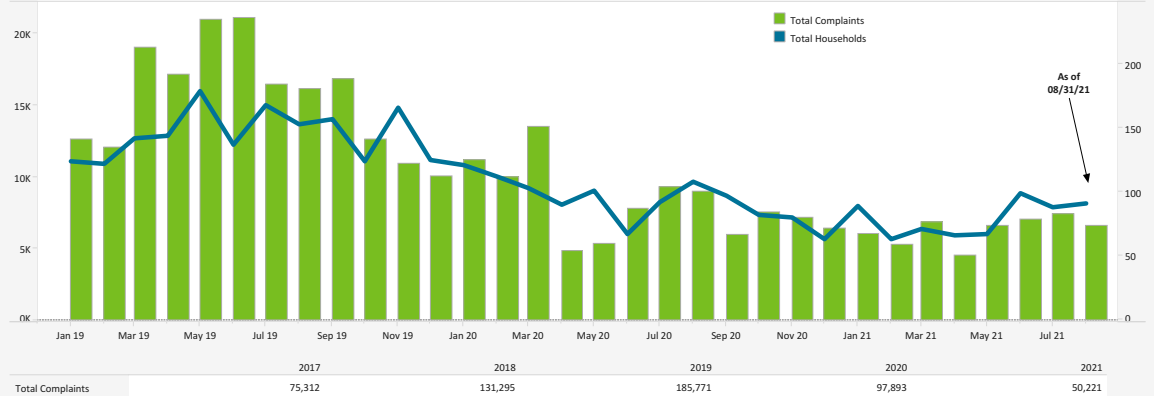
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NOISE COMPLAINT STATISTICS

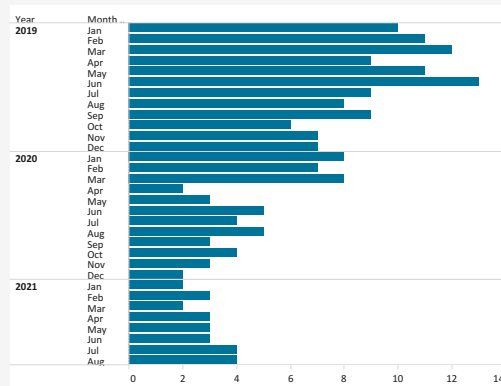


The Authority reports all complaints.

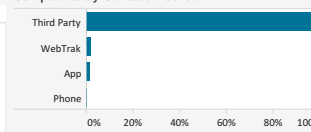
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



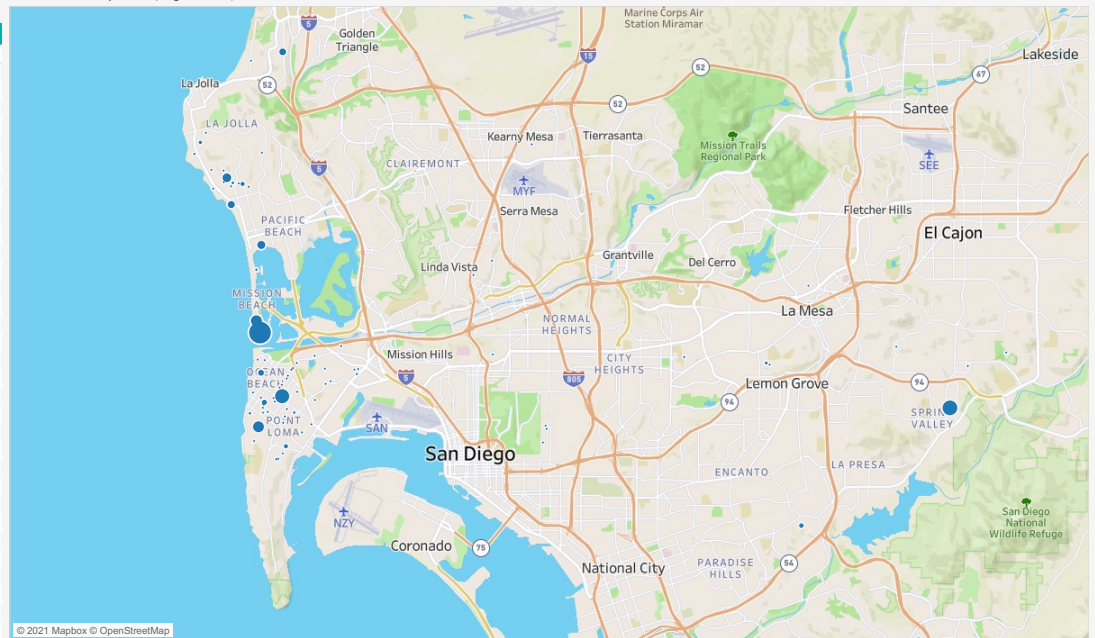
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	6,416	97.6%
Overflight	80	1.2%
Too Low	37	0.6%
Curfew Violation	21	0.3%
Suspected Off Course	10	0.2%
Increased Flight Volu...	3	0.0%
Off Course	3	0.0%
Helicopter	1	0.0%
Other	1	0.0%

Number of Complaints by Neighborhood (August 2021)

Neighborhood	Total Complaints	Total Households
Grand Total	6,572	91
Mission Beach	2,333	9
Point Loma Heights	897	17
Spring Valley	813	1
Del Mar	584	1
Sunset Cliffs	514	5
Bird Rock	469	5
Pacific Beach	235	1
La Jolla Heights	167	1
Ocean Beach	145	8
La Jolla Mesa	75	3
Bay Terraces	71	1
Roseville-Fleet Ridge	60	4
Beach Barber Tract	50	3
La Mesa	30	3
Muirlands	24	2
Loma Portal	19	5
Wooded Area	19	2
Lower Hermosa	15	1
Casa De Oro-Mt. Helix	13	2
Midway District	9	3
La Jolla Alta	5	1
South Park	5	3
Del Mar Heights	4	1
Ranch San Diego	4	1
Upper Hermosa	4	1
La Playa	2	1
Birdland	1	1
El Cerrito	1	1
Kearny Mesa	1	1
La Jolla Shores	1	1
Mission Valley	1	1
University Heights	1	1

Location of Complaints (August 2021)



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