

QUIETER HOME PROGRAM



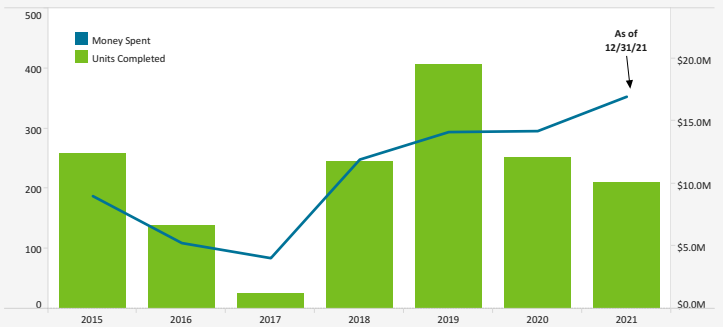
Quieter Home Program As Of: 12/31/2021

Status of Homes	
Added this month	20
Estimated Homes to Complete in CY 2021	209
Homes Completed this month	12
Homes on Wait List	709
Total Homes Completed	4,653

Project	Estimated Construction Start	# Homes
10.11	In Process	56
10.12	In Process	13
11.1	In Process	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 2023	59
11.12	Winter 2022	52
12.1	Winter 2023	60
12.2	Spring 2023	74
12.3	Spring 2023	60

QNRP: Quieter Non-Residential Pr..

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

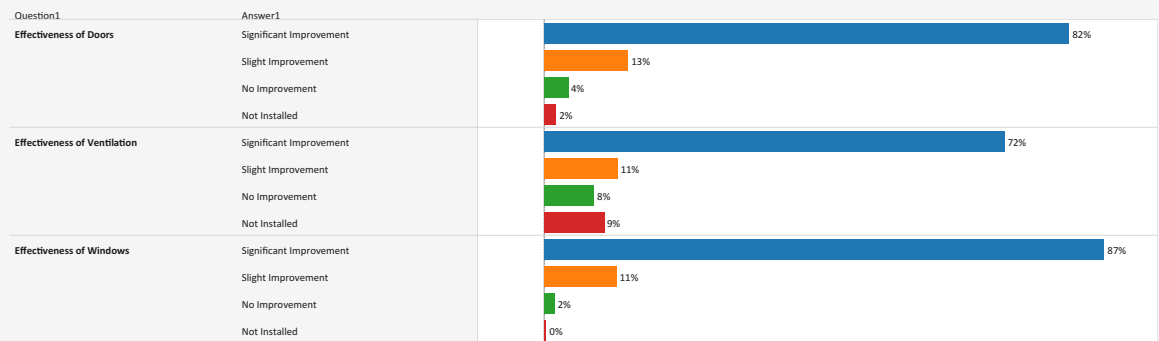


Post – Construction Homeowner Survey Results

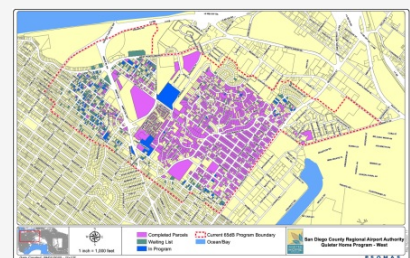
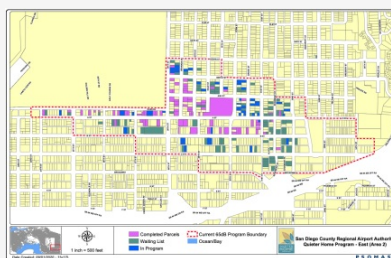
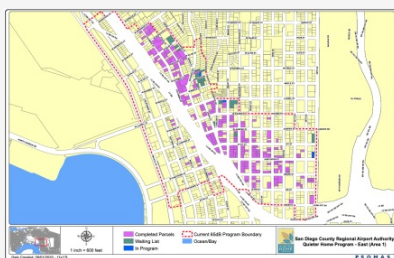
Overall Experience

Excellent	Satisfied	Unsatisfied
76%	22%	3%

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.

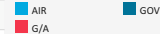
Curfew Violations (November-December 2021)

Date, Time	Airline	Aircraft Type	Status
11/3/2021, 11:37 PM	N702SJ, LLC	CRJ2	Pending Review
11/8/2021, 12:57 AM	Mandalay Resort Group	E190	Pending Review
11/10/2021, 12:01 AM	jetBlue Airways	A321	Pending Review
11/18/2021, 11:30 PM	Elite Airways	CRJ2	Pending Review
12/2/2021, 12:52 AM	Alaska Airlines	B738	Pending Review
12/15/2021, 11:37 PM	FedEx Express	B763	Pending Review
12/15/2021, 11:43 PM	Alaska Airlines	B739	Pending Review
12/16/2021, 11:38 PM	American Airlines	A321	Pending Review
12/16/2021, 11:40 PM	United Airlines	B738	Pending Review
12/17/2021, 11:37 PM	United Airlines	B38M	Pending Review
12/22/2021, 12:57 AM	jetBlue Airways	A321	Pending Review
12/24/2021, 12:58 AM	jetBlue Airways	A320	Pending Review
12/25/2021, 11:41 PM	jetBlue Airways	A320	Pending Review
12/25/2021, 12:25 AM	jetBlue Airways	A320	Pending Review
12/27/2021, 03:36 AM	Global Crossings	A320	Pending Review
12/27/2021, 11:41 PM	SkyWest Airlines	E75L	Pending Review
12/28/2021, 01:05 AM	jetBlue Airways	A320	Pending Review
12/28/2021, 01:07 AM	N602SJ, LLC	CRJ2	Pending Review
12/28/2021, 11:31 PM	jetBlue Airways	A21N	Pending Review
12/31/2021, 11:40 PM	jetBlue Airways	A321	Pending Review
12/31/2021, 11:51 PM	jetBlue Airways	A320	Pending Review

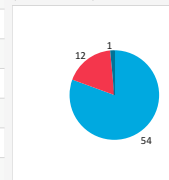
Annual Violations and Penalties Assessed (Year-to-Date)

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	52	\$92,000

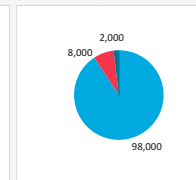
Airline Category



Violations by Airline Category (2020 - Present)

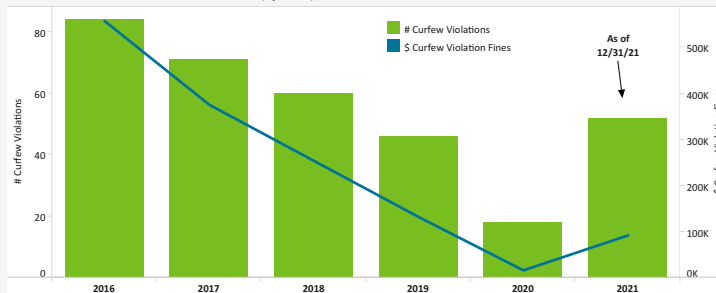


Fines Assessed by Airline Category (2020 - Present)



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	54	\$98,000
G/A	12	\$8,000
GOV	1	\$2,000

Curfew Violations and Penalties Assessed (by Year)



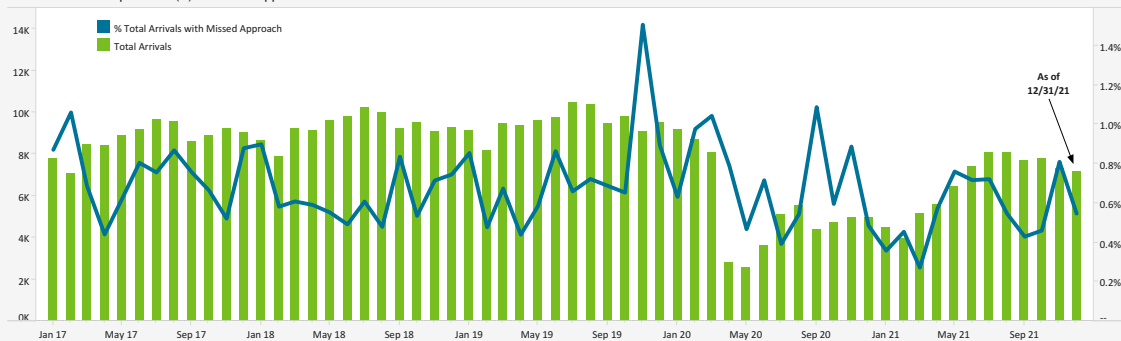
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MISSSED APPROACH STATISTICS



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

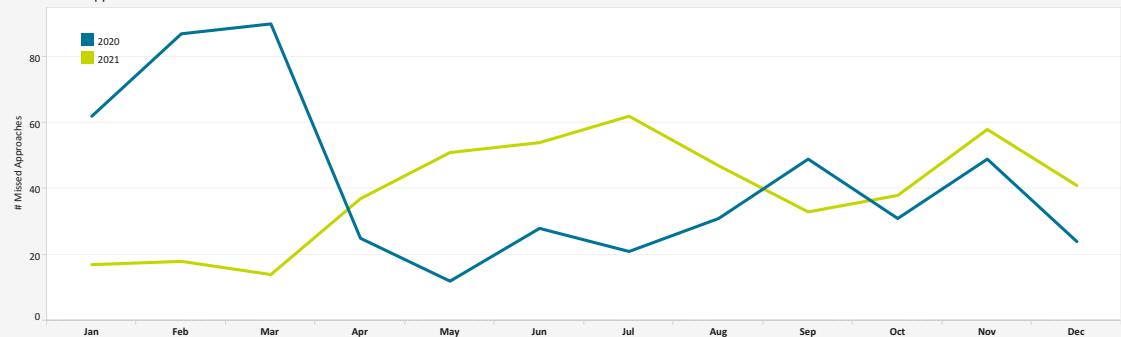


	2017	2018	2019	2020	2021
% Total Arrivals with Missed Approach	0.7%	0.6%	0.8%	0.7%	0.6%
Total Arrivals	104,725	111,618	114,193	64,576	79,035
Total Missed Approaches	795	721	895	508	470

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	2	2	1	0	Between 265°-295° Heading (Standard)	24	34	27
Between Noise Dot #2 - JETTI	13	2	10	2	15	0	East of Airport	6	18	9
Between JETTI - Noise Dot #3	9	0	13	3	9	1	Left of 265°	6	7	6
Between Noise Dot #3 - Noise Dot #4	4	2	5	1	5	1	Right of 295°	2	1	0
Between Noise Dot #4 - Noise Dot #5	0	0	0	1	1	0				

Total Missed Approaches



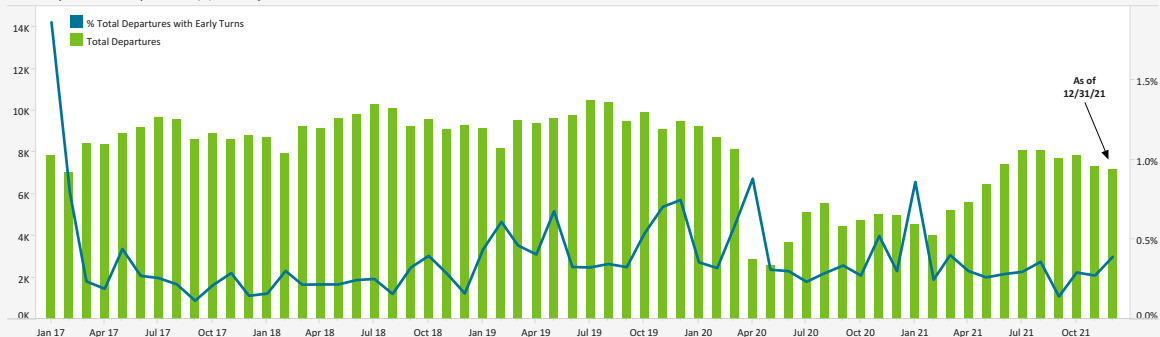
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EARLY TURN STATISTICS



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



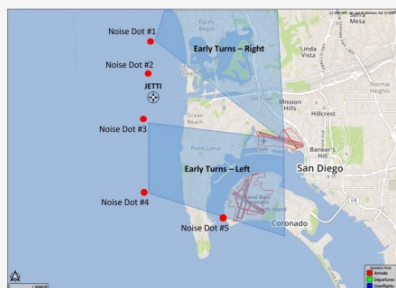
	2017	2018	2019	2020	2021
Total Early Turns	558	395	741	321	329

Departure Statistics

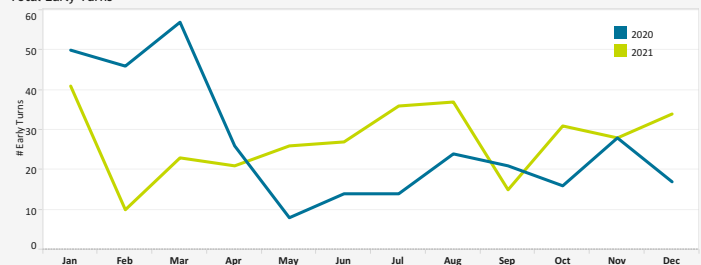
	Oct	Nov	Dec
Jets Turning Left	3,975	3,683	3,556
Between Z2000 and Noise Dots	378	359	422
Compliant with Nighttime departure Heading (290°)	311	233	270
Not Nighttime Compliant - Over La Jolla	10	15	22
Not Nighttime Compliant - Straight Out	8	3	4
Not Nighttime Compliant - East	0	15	32

Cause of Early Turns

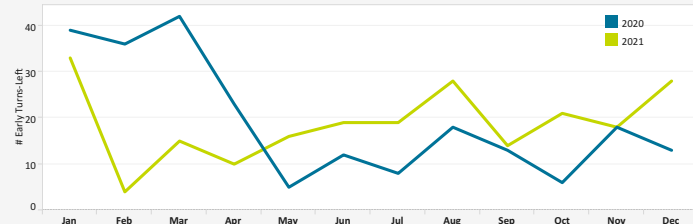
	Oct	Nov	Dec
Caused by ATC Vectors	24	22	18
Caused by Pilot Deviation	2	4	5
Caused by Weather	5	2	11



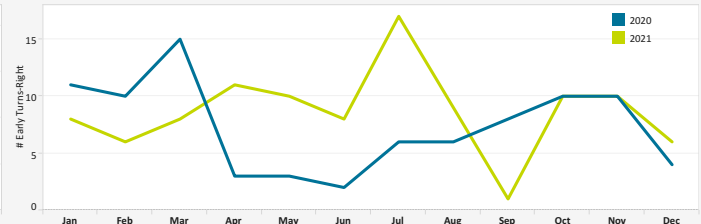
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (December 2021)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	9	3,810	0.2%
General Aviation	9	1,849	0.5%
American Airlines	4	1,295	0.3%
United Airlines	2	1,376	0.1%
jetBlue Airways	1	282	0.4%
Swift Air	1	96	1.0%
FedEx Express	1	355	0.3%
Delta Air Lines	1	1,166	0.1%

Early Turn by Operator (December 2021)

Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
General Aviation	4	1,849	0.2%
FedEx Express	2	355	0.6%

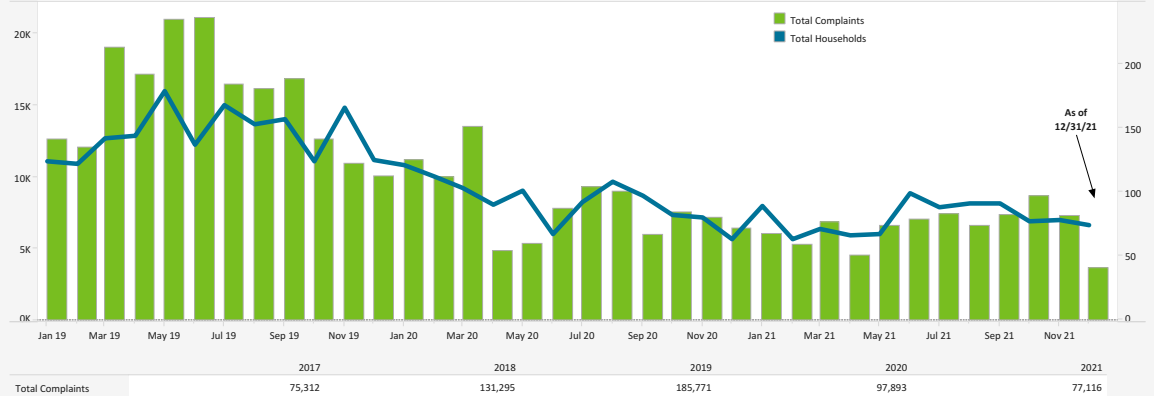
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NOISE COMPLAINT STATISTICS

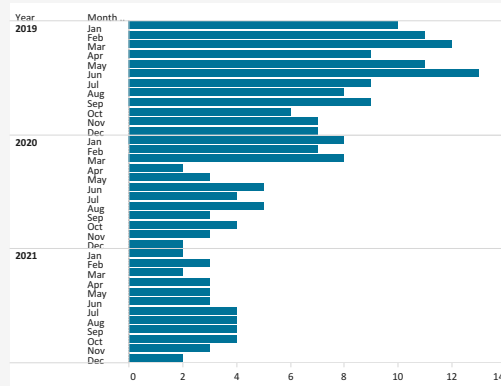


The Authority reports all complaints.

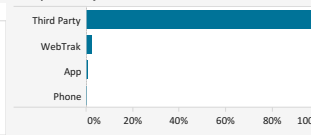
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



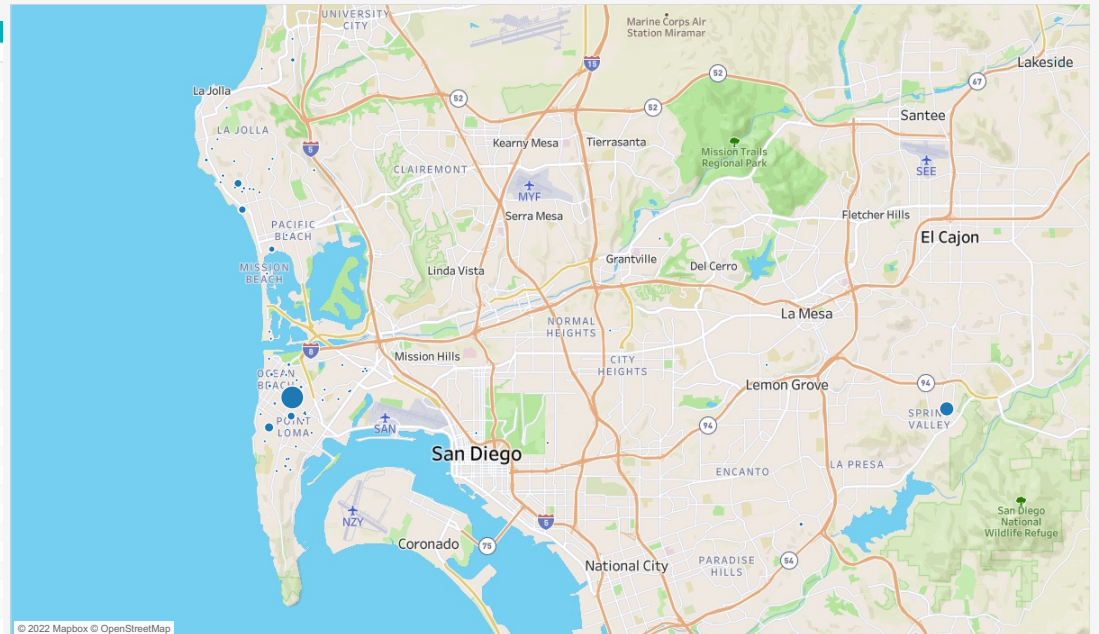
Disturbance Type

Disturbance Type	# Complaints	% Total
Too Loud	3,610	98.8%
Curfew Violation	15	0.4%
Suspected Off Course	15	0.4%
Overflight	11	0.3%
Too Low	2	0.1%

Number of Complaints by Neighborhood (December 2021)

Neighborhood	Total Complaints	Total Households
Grand Total	3,653	74
Point Loma Heights	1,936	11
Spring Valley	615	1
Bird Rock	325	6
Sunset Cliffs	263	4
Ocean Beach	135	6
Pacific Beach	91	3
Del Mar	50	1
La Jolla Heights	38	2
Bay Terraces	30	1
Lower Hermosa	23	1
La Jolla Mesa	19	3
Beach Barber Tract	18	2
Muirlands	18	2
Upper Hermosa	16	1
Mission Beach	12	3
Roseville-Fleet Ridge	11	3
Wooded Area	10	5
Loma Portal	9	5
La Playa	8	1
Del Mar Heights	7	1
La Mesa	4	1
Allied Gardens	3	1
South Park	3	1
La Jolla Alta	2	2
Midway District	2	2
Bankers Hill	1	1
Kensington	1	1
La Jolla Shores	1	1
La Jolla Village	1	1
Otay Mesa West	1	1

Location of Complaints



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