

QUIETER HOME PROGRAM

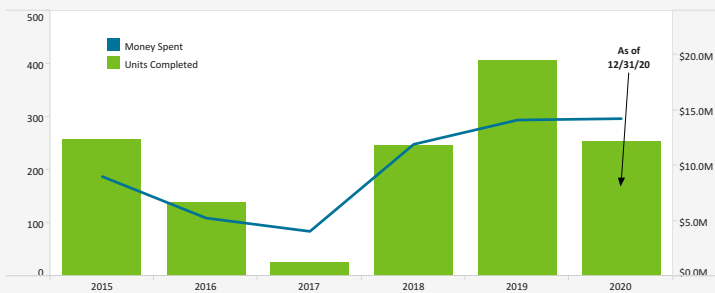


Quieter Home Program As Of: 12/31/2020

Status of Homes	
Homes on Wait List	1,249
Homes Added to Wait List This Month	51
Homes Completed This Month	10
Estimated Homes to Complete in CY 2020	252
Total Homes Completed	4,444

Project	Estimated Construction Start	# Homes
10.5	In Process	13
10.6	In Process	27
10.7	Spring 2021	40
10.8	Summer 2021	51
10.9	Winter 2021	13
10.10	Spring 2021	36
10.11	Summer 2021	56
10.12	Summer 2021	13
11.1	Fall 2021	51
11.2	Winter 2022	43
11.3	Winter 2022	102
11.4 (QNRP)	Spring 2022	1

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	7%
Effectiveness of Windows	Significant Improvement	87%
	Slight Improvement	11%
	No Improvement	2%
	Not Installed	0%

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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.

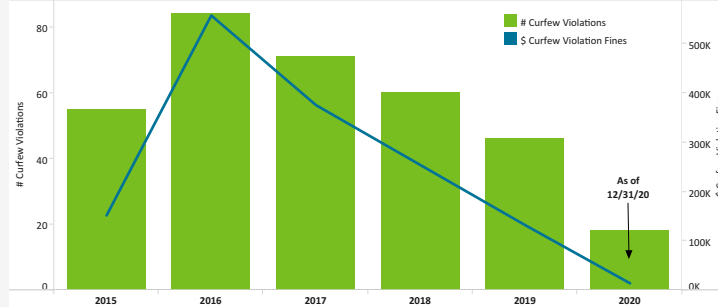
Curfew Violations – December 2020

Date, Time	Airline	Aircraft Type	No Measure Value
12/27/2020, 12:32 AM	jetBlue Airways	A320	Pending Review

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

Year	Total Violations	Fines Assessed
2015	55	\$152,000
2016	84	\$558,000
2017	71	\$376,000
2018	60	\$254,000
2019	46	\$132,000
2020	18	\$14,000

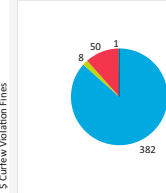
Curfew Violations and Penalties Assessed (by Year)



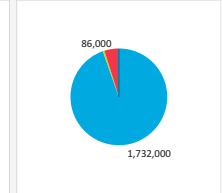
Airline Category

- AIR
- CAR
- G/A
- GOV

Violations by Airline Category



Fines Assessed by Category



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	382	\$1,732,000
CAR	8	\$10,000
G/A	50	\$86,000
GOV	1	\$2,000

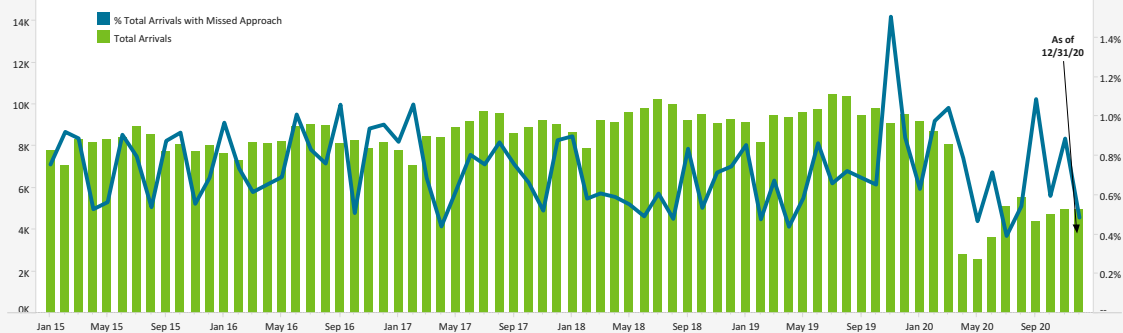
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MISSSED APPROACH STATISTICS



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

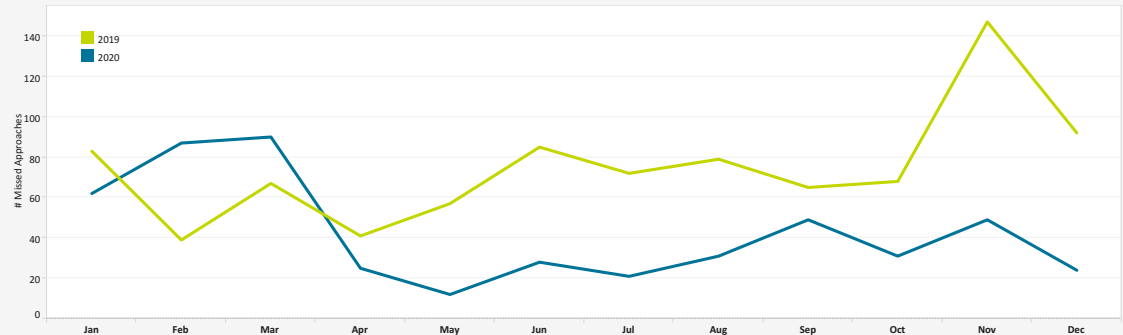


	2015	2016	2017	2018	2019	2020
% Total Arrivals with Missed Approach	0.7%	0.8%	0.7%	0.6%	0.8%	0.7%
Total Arrivals	97,096	98,756	104,725	111,618	114,193	64,576
Total Missed Approaches	760	832	795	721	895	508

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	0	0	0	0	Between 265°-295° Heading (Standard)	16	31	13
Between Noise Dot #2 - JETTI	12	0	11	9	10	0	Left of 265°	1	2	2
Between JETTI - Noise Dot #3	3	1	9	2	3	0	Right of 295°	2	0	0
Between Noise Dot #3 - Noise Dot #4	0	0	1	0	2	0	East of Airport	11	15	9
Between Noise Dot #4 - Noise Dot #5	1	0	1	0	0	0				

Total Missed Approaches



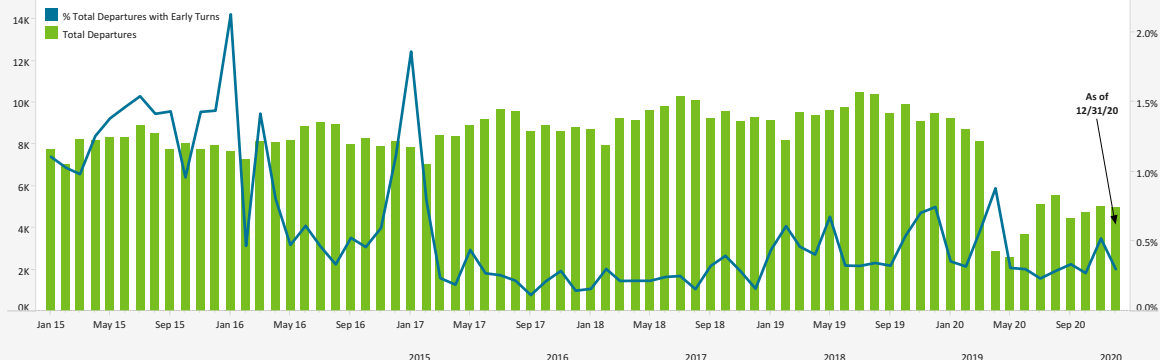
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EARLY TURN STATISTICS



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

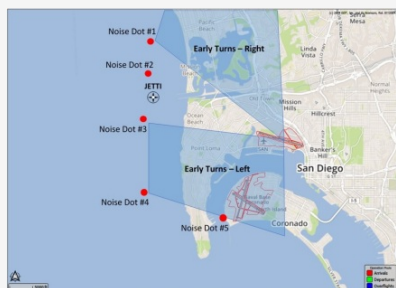


Departure Statistics (December 2020)

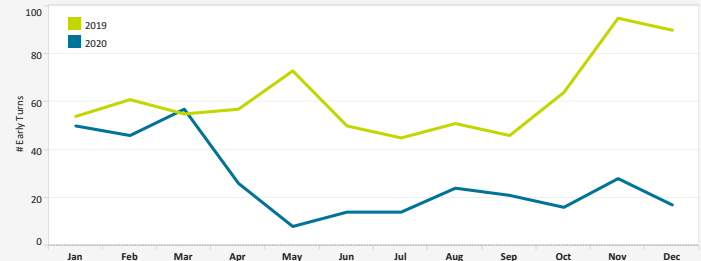
	Oct	Nov	Dec
Jets Turning Left	2,440	2,578	2,623
Between Z2000 and Noise Dots	276	349	573
Compliant with Nighttime departure Heading (290°)	29	84	116
Not Nighttime Compliant - Over La Jolla	14	29	22
Not Nighttime Compliant - East	1	0	0
Not Nighttime Compliant - Straight Out	2	6	3

Cause of Early Turns (December 2020)

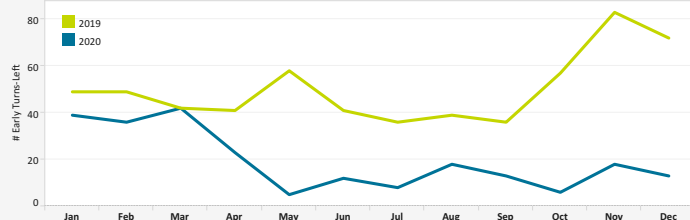
	Oct	Nov	Dec
Caused by ATC Vectors	13	19	14
Caused by Pilot Deviation	3	3	3
Caused by Weather	0	6	0



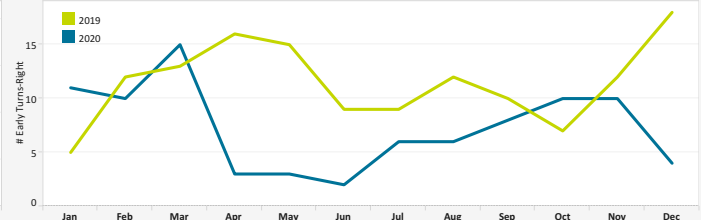
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (December 2020)

Airline	Left Early Turns	Total Operator Departures	% Departures with Left Early Turns
Southwest Airlines	5	2,274	0.2%
General Aviation	3	1,154	0.3%
jetBlue Airways	2	169	1.2%
UPS Airlines	1	90	1.1%
Delta Air Lines	1	983	0.1%
American Airlines	1	847	0.1%

Early Turn by Operator (December 2020)

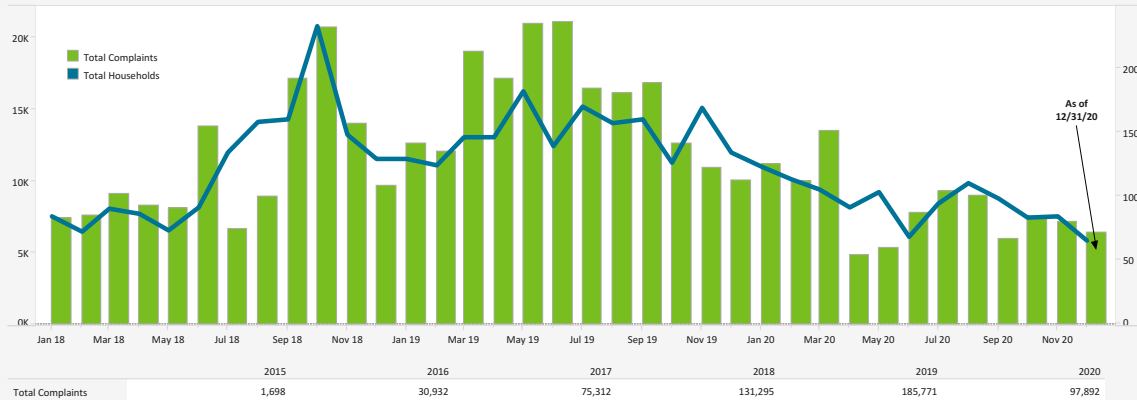
Airline	Right Early Turns	Total Operator Departures	% Departures with Right Early Turns
General Aviation	4	1,154	0.3%

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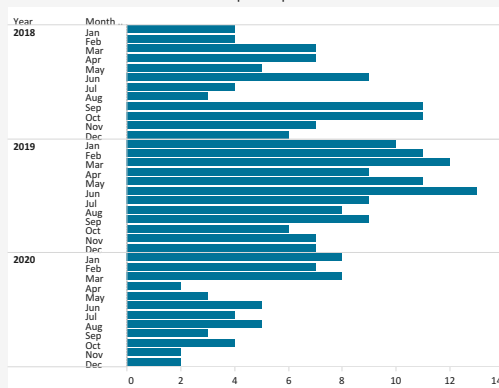
NOISE COMPLAINT STATISTICS



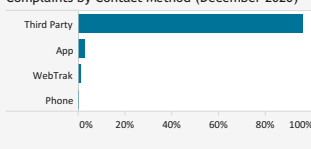
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method (December 2020)



Disturbance Type (December 2020)

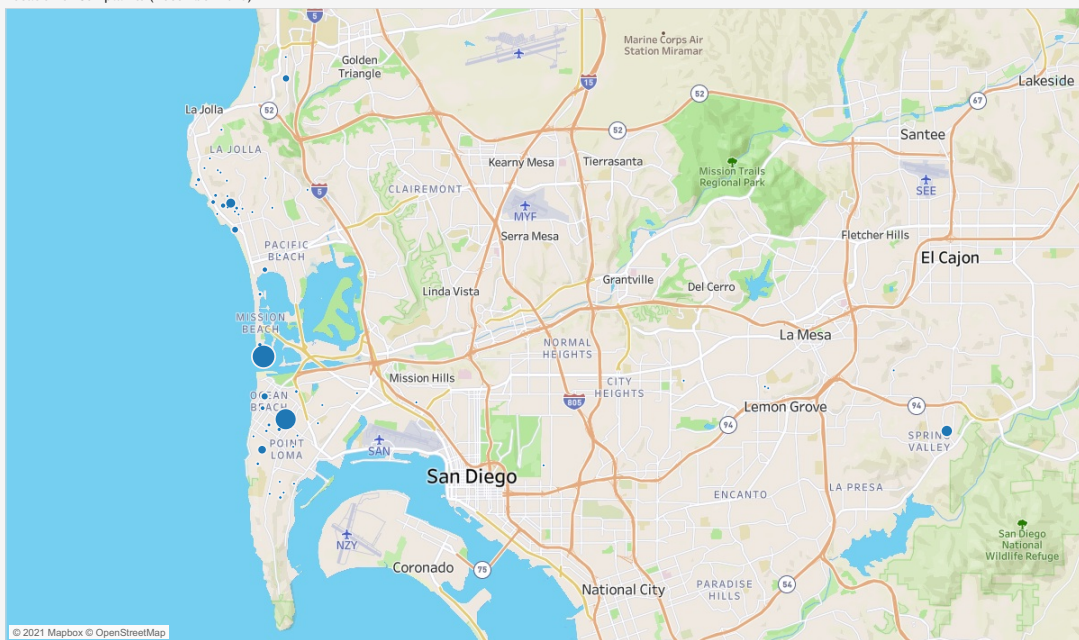
Disturbance Type	# Complaints	% Total
Too Loud	6,281	98.0%
Overflight	43	0.7%
Suspected Off Course	30	0.5%
Too Low	27	0.4%
Helicopter	24	0.4%
Curfew Violation	3	0.0%
Other	1	0.0%
Pollution	1	0.0%

The Authority reports all complaints.

Number of Complaints by Neighborhood (December 2020)

Neighborhood	Total Complaints	Total Households
Grand Total	6,410	65
Mission Beach	2,213	4
Point Loma Heights	1,966	6
Bird Rock	671	10
Spring Valley	484	1
Sunset Cliffs	322	4
Ocean Beach	231	2
La Jolla Heights	180	2
Pacific Beach	97	4
Lower Hermosa	48	2
The Muirlands	43	5
Upper Hermosa	34	1
La Playa	32	3
Beach Barber Tract	20	2
Del Mar Heights	16	2
La Mesa	12	2
La Jolla Shores	6	1
El Cerrito	5	1
La Jolla Mesa	5	1
Loma Portal	5	3
Wooded Area	5	2
Imperial Beach	3	1
La Jolla Village	3	1
Roseville-Fleet Ridge	3	1
Casa De Oro-Mt. Helix	2	1
La Jolla Alta	2	1
Mission Hills	1	1
South Park	1	1

Location of Complaints (December 2020)



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