

QUIETER HOME PROGRAM

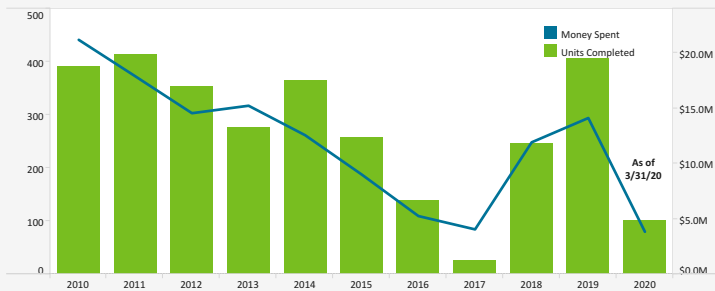


Quieter Home Program As Of: 03/31/2020

Status of Homes	
Homes on Wait List	1,316
Homes Added to Wait List This Month	0
Homes Completed This Month	18
Total Homes Completed	4,329
Estimated Homes to Complete in CY 2020	400

Project	Estimated Construction Start	# Homes
9.12	Underway	32
10.2	Spring 2020	63
10.3	Summer 2020	10
10.4	Fall 2020	57
10.5	Fall 2020	13
10.6	Winter 2020	27
10.7	Winter 2020	40
10.8	Spring 2021	51
10.9	Spring 2021	18
10.10	Summer 2021	41

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

Question	Answer	Percentage
Effectiveness of Doors	Significant Improvement	82%
	Slight Improvement	13%
	No Improvement	4%
	Not Installed	1%
Effectiveness of Ventilation	Significant Improvement	74%
	Slight Improvement	12%
	No Improvement	9%
	Not Installed	5%
Effectiveness of Windows	Significant Improvement	86%
	Slight Improvement	12%
	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.

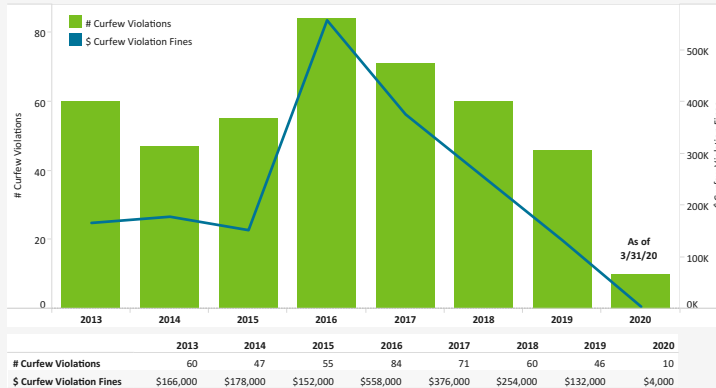
Curfew Violations (Mar 2020)

Date, Time	Airline	Aircraft Type	Penalty Status
03/01/20, 11:48 PM	Delta Air Lines	B752	Pending Review
03/09/20, 12:03 AM	Allegiant Air	A319	Pending Review
03/10/20, 11:51 PM	jetBlue Airways	A320	Pending Review
03/10/20, 11:54 PM	Spirit Airlines	A20N	Pending Review
03/16/20, 11:32 PM	American Airlines	A321	Pending Review

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

Year	Total Violations	Fines Assessed
2013	60	\$166,000
2014	47	\$178,000
2015	55	\$152,000
2016	84	\$558,000
2017	71	\$376,000
2018	60	\$254,000
2019	46	\$132,000
2020	10	\$4,000

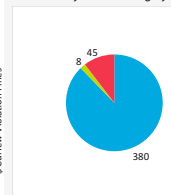
Curfew Violations and Penalties Assessed (by Year)



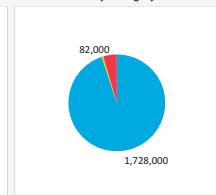
Airline Category

AIR CAR G/A

Violations by Airline Category



Fines Assessed by Category



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	380	\$1,728,000
CAR	8	\$10,000
G/A	45	\$82,000

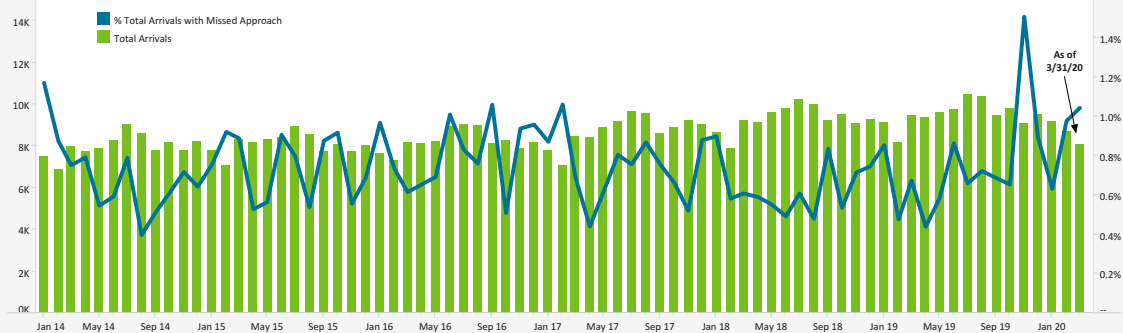
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MISSSED APPROACH STATISTICS



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

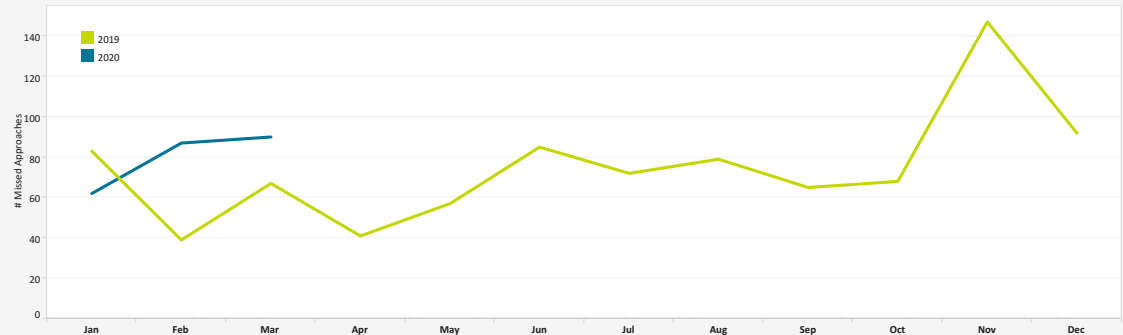


	2014	2015	2016	2017	2018	2019	2020
% Total Arrivals with Missed Approach	0.7%	0.7%	0.8%	0.7%	0.6%	0.8%	0.9%
Total Arrivals	95,794	97,096	98,756	104,725	111,618	114,193	25,944
Total Missed Approaches	700	760	832	795	721	895	239

Missed Approach Location Statistics

	Jan		Feb		Mar			Jan	Feb	Mar
	Day	Night	Day	Night	Day	Night				
Between Noise Dot #1 - Noise Dot #2	2	1	2	1	2	3	Between 265°-295° Heading (Standard)	41	65	62
Between Noise Dot #2 - JETTI	22	2	31	5	30	11	East of Airport	4	4	18
Between JETTI - Noise Dot #3	11	3	14	6	10	6	Left of 265°	9	13	7
Between Noise Dot #3 - Noise Dot #4	6	1	13	0	5	1	Right of 295°	8	5	3
Between Noise Dot #4 - Noise Dot #5	2	0	0	0	1	0				

Total Missed Approaches



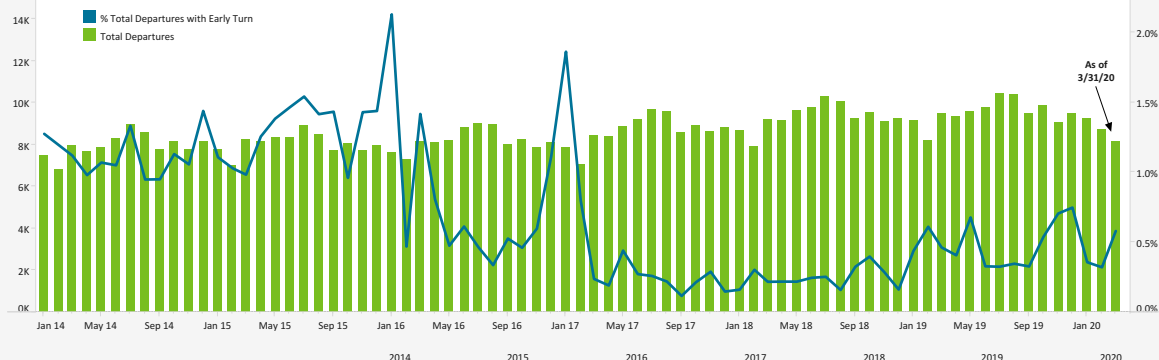
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EARLY TURN STATISTICS



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

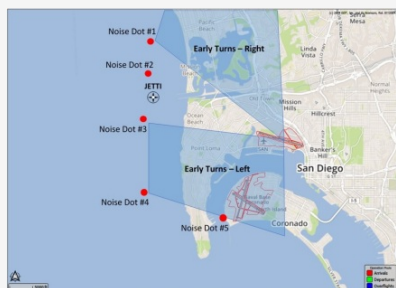


Departure Statistics (Mar 2020)

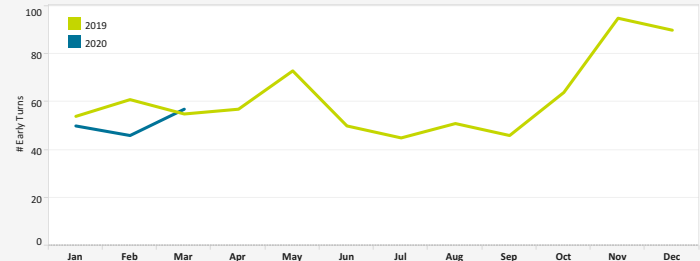
	Jan	Feb	Mar
Jets Turning Left	4,370	4,071	3,776
Between Z2000 & Noise Dots	726	600	744
Compliant with Nighttime Departure Heading (290°)	255	207	366
Not Nighttime Compliant: Straight Out	4	5	11
Not Nighttime Compliant: East	5	12	0
Not Nighttime Compliant: Over La Jolla	5	11	11

Cause of Early Turns (Mar 2020)

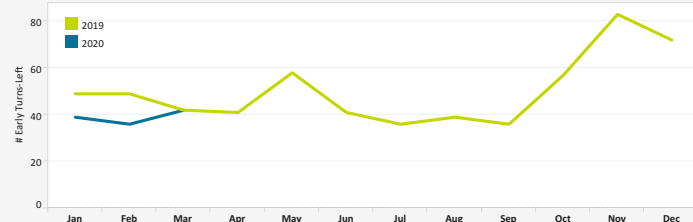
	Jan	Feb	Mar
# Caused by ATC Vectors	47	41	49
# Caused by Pilot Deviation	3	2	0
# Caused by Weather	0	3	8



Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (Mar 2020)

Airline	Early Turns Over Point Loma	Total Operator Departures	% Departures with Early Turns Over Point Loma
Southwest Airlines	15	5,691	0.3%
United Airlines	7	1,427	0.5%
American Airlines	7	1,341	0.5%
General Aviation	5	969	0.5%
Delta Air Lines	3	1,255	0.2%
Alaska Airlines	2	1,258	0.2%
SkyWest Airlines	1	1,405	0.1%
Frontier Airlines	1	267	0.4%
FedEx Express	1	288	0.3%

Early Turn by Operator (Mar 2020)

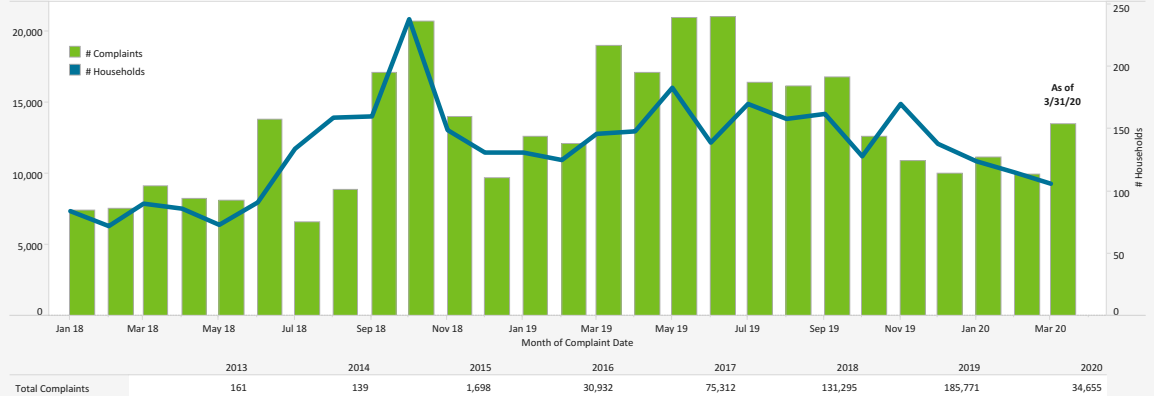
Airline	Early Turns Over Mission Beach	Total Operator Departures	% Departures with Early Turns Over Mission Beach
Southwest Airlines	3	5,691	0.1%
General Aviation	3	969	0.3%
Delta Air Lines	3	1,255	0.2%
United Airlines	2	1,427	0.1%
West Air	1	108	0.9%
SkyWest Airlines	1	1,405	0.1%
Horizon Air	1	461	0.2%
Ameriflight	1	98	1.0%

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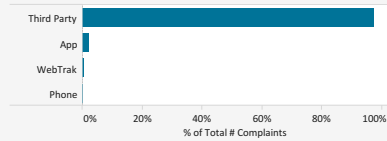
**NOISE COMPLAINT STATISTICS**



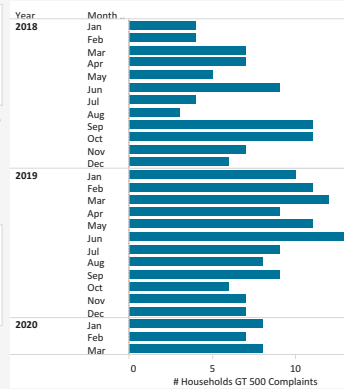
Total Complaints Compared to Total Households



Complaints by Contact Method (Mar 2020)



Number of Households with 500+ Complaints per Month

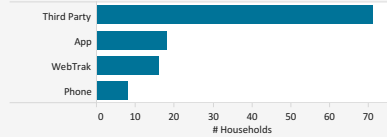


Disturbance Type (Mar 2020)

Disturbance Type	# Complaints AMAC R21	% of Total # Complaints along Tg...
Too Loud	13,290	98.5%
Overflight	109	0.8%
Too Low	63	0.5%
Curfew Violation	19	0.1%
Suspected Off Course	14	0.1%
Other	1	0.0%

The Authority reports all complaints.

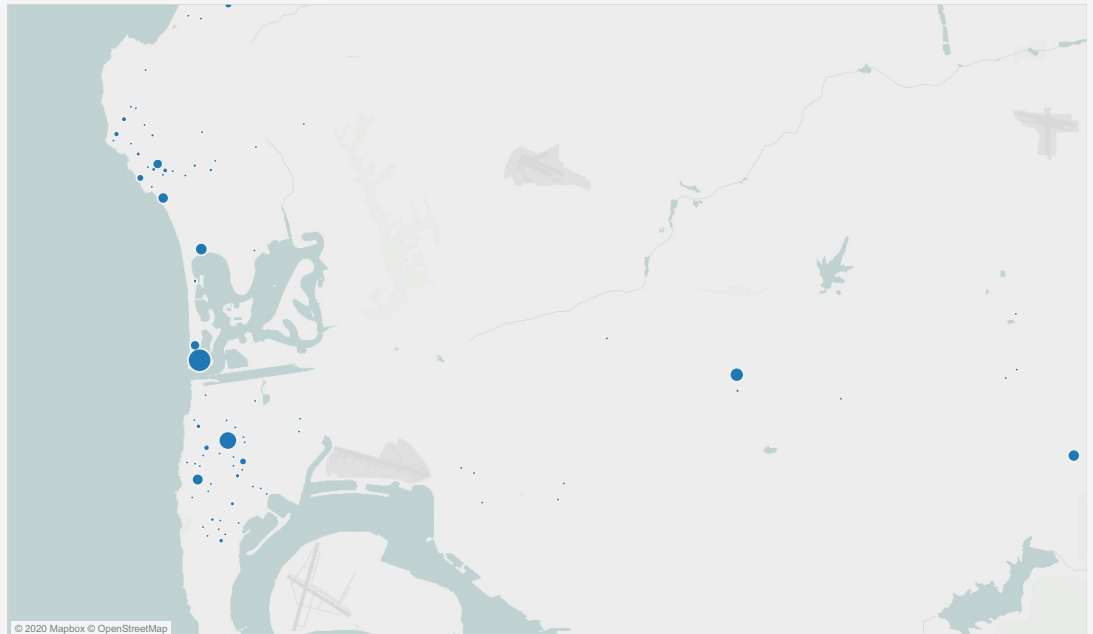
Households with Complaints by Contact Method (Mar 2020)



Number of Complaints by Neighborhood (Mar 2020)

Neighborhood	# Complaints	# Households
Grand Total	13,496	106
Mission Beach	4,749	11
Point Loma Heights	2,285	10
Bird Rock	1,152	6
El Cerrito	1,077	2
Pacific Beach	822	4
Spring Valley	740	1
Sunset Cliffs	693	7
The Mairlands	581	9
La Jolla Heights	255	2
Del Mar Heights	187	2
Roseville-Fleet Ridge	144	3
Lower Hermosa	130	2
Beach Barber Tract	119	2
Ocean Beach	103	6
La Playa	98	5
Wooded Area	74	5
Casa De Oro-Mt. Helix	61	6
La Jolla Mesa	59	2
Upper Hermosa	58	2
La Jolla Alta	36	2
La Mesa	25	2
La Jolla Shores	15	2
Banker's Hill	14	3
La Jolla Village	8	1
South Park	3	2
Loma Portal	2	2
Rancho San Diego	2	1
Bay Ho	1	1
Crown Point	1	1
Normal Heights	1	1

Location of Complaints (Mar 2020)



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