

QUIETER HOME PROGRAM

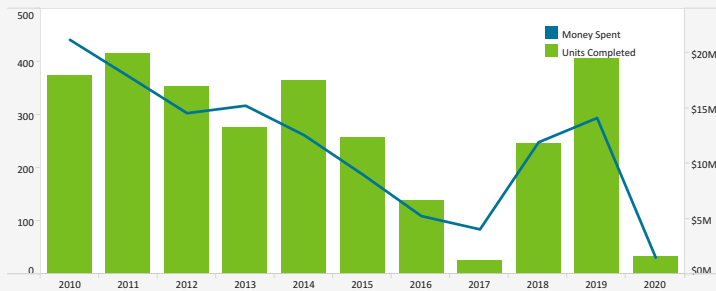


Quieter Home Program As Of: 01/31/2020

Status of Homes	
Homes on Wait List	1,343
Homes Added to Wait List This Month	9
Homes Completed This Month	34
Total Homes Completed	4,183
Estimated Homes to Complete in CY 2020	400

Project	Estimated Construction Start	# Homes
9.9	Underway	125
9.11	Underway	52
9.12	Underway	32
10.1	Underway	55
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	41
10.8	Spring 2021	55
10.9	Spring 2021	21

From 2001 – 2009, \$89.8 Million Was Spent To Complete 1,292 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	13%
	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.

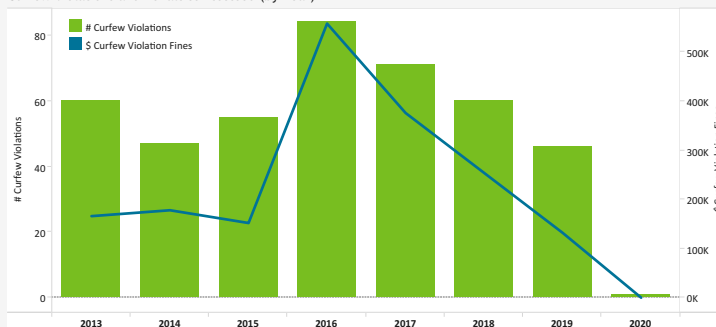
Curfew Violations (Jan 2020)

Date, Time	Airline	Aircraft Type	Penalty Status
01/01/20, 12:26 AM	ABX Air	B763	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	1	\$0

Curfew Violations and Penalties Assessed (by Year)

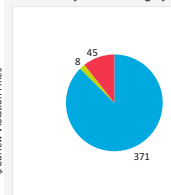


	2013	2014	2015	2016	2017	2018	2019	2020
# Curfew Violations	60	47	55	84	71	60	46	1
\$ Curfew Violation Fines	\$166,000	\$178,000	\$152,000	\$558,000	\$376,000	\$254,000	\$132,000	\$0

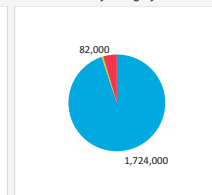
Airline Category

AIR CAR G/A

Violations by Airline Category



Fines Assessed by Category



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	371	\$1,724,000
CAR	8	\$10,000
G/A	45	\$82,000

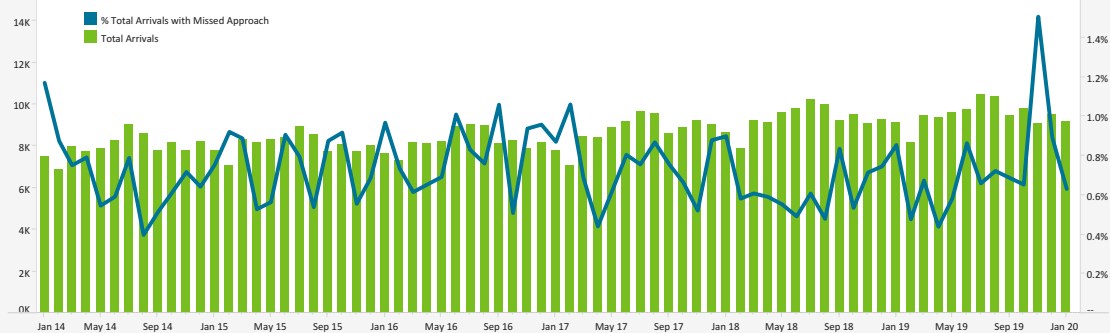
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MISSSED APPROACH STATISTICS



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

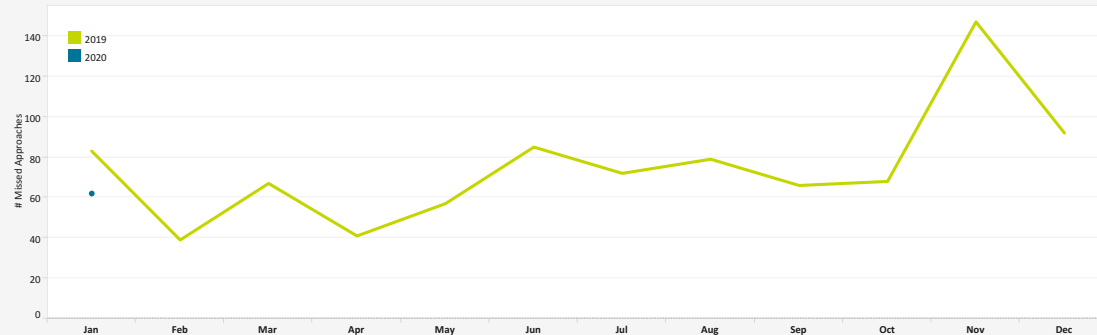


	2014	2015	2016	2017	2018	2019	2020
% Total Arrivals with Missed Approach	0.7%	0.7%	0.8%	0.7%	0.6%	0.8%	0.6%
Total Arrivals	95,794	97,096	98,756	104,725	111,618	114,192	9,189
Total Missed Approaches	700	760	832	795	721	895	62

Missed Approach Location Statistics

	Nov		Dec		Jan			Nov	Dec	Jan
	Day	Night	Day	Night	Day	Night				
Between Noise Dot #1 - Noise Dot #2	2	0	3	0	2	1	Between 265°-295° Heading (Standard)	95	61	41
Between Noise Dot #2 - JETTI	40	12	34	5	22	2	East of Airport	22	13	4
Between JETTI - Noise Dot #3	33	8	13	6	11	3	Left of 265°	26	11	9
Between Noise Dot #3 - Noise Dot #4	17	1	8	0	6	1	Right of 295°	5	7	8
Between Noise Dot #4 - Noise Dot #5	5	1	0	2	2	0				

Total Missed Approaches



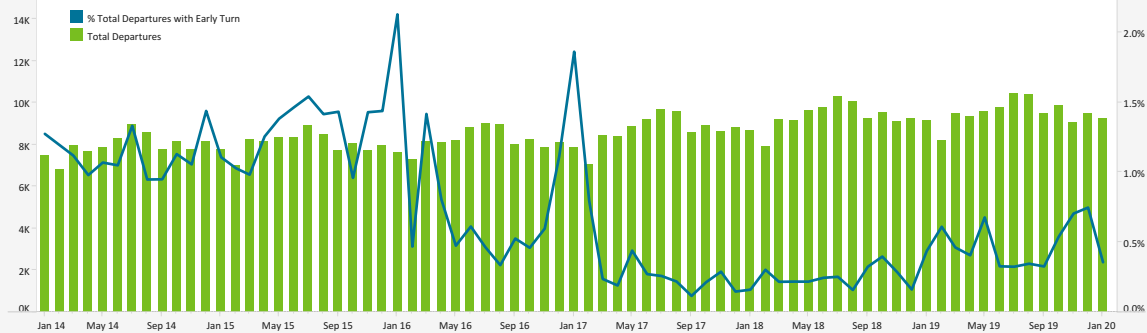
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EARLY TURN STATISTICS



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



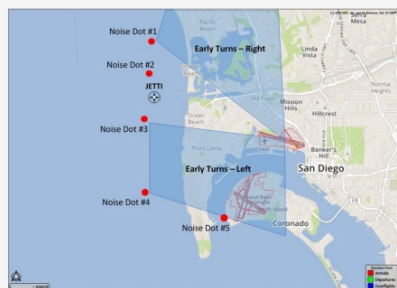
	2014	2015	2016	2017	2018	2019	2020
Total Early Turns	1,266	1,421	914	558	395	741	50

Departure Statistics (Jan 2020)

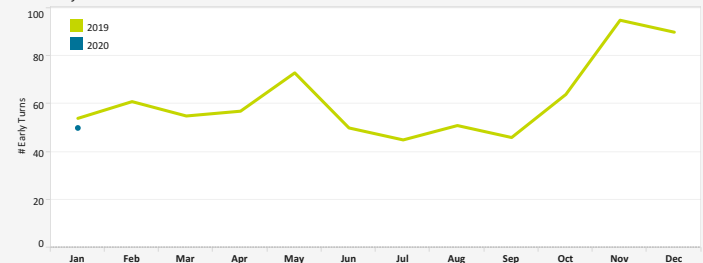
	Nov	Dec	Jan
Jets Turning Left	4,316	4,467	4,370
Between Z2000 & Noise Dots	654	698	726
Compliant with Nighttime Departure Heading (290°)	378	391	255
Not Nighttime Compliant: Straight Out	3	10	4
Not Nighttime Compliant: East	13	32	5
Not Nighttime Compliant: Over La Jolla	22	0	5

Cause of Early Turns (Jan 2020)

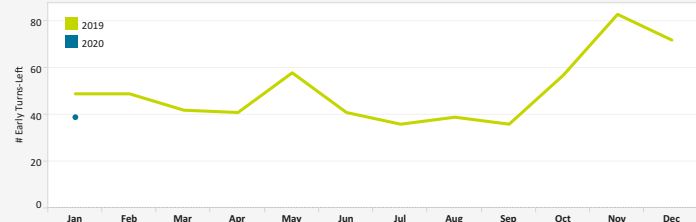
	Nov	Dec	Jan
# Caused by ATC Vectors	76	82	47
# Caused by Pilot Deviation	3	3	3
# Caused by Weather	16	5	0



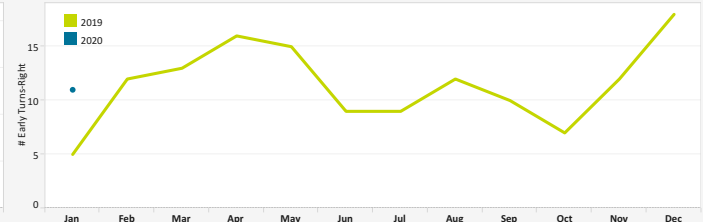
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (Jan 2020)

Airline	Early Turns Over Point Loma	Total Operator Departures	% Departures with Early Turns Over Point Loma
Southwest Airlines	9	6,704	0.1%
American Airlines	9	1,498	0.6%
United Airlines	8	1,613	0.5%
Delta Air Lines	6	1,435	0.4%
General Aviation	3	1,316	0.2%
Frontier Airlines	2	278	0.7%
Spirit Airlines	1	265	0.4%
SkyWest Airlines	1	1,283	0.1%

Early Turn by Operator (Jan 2020)

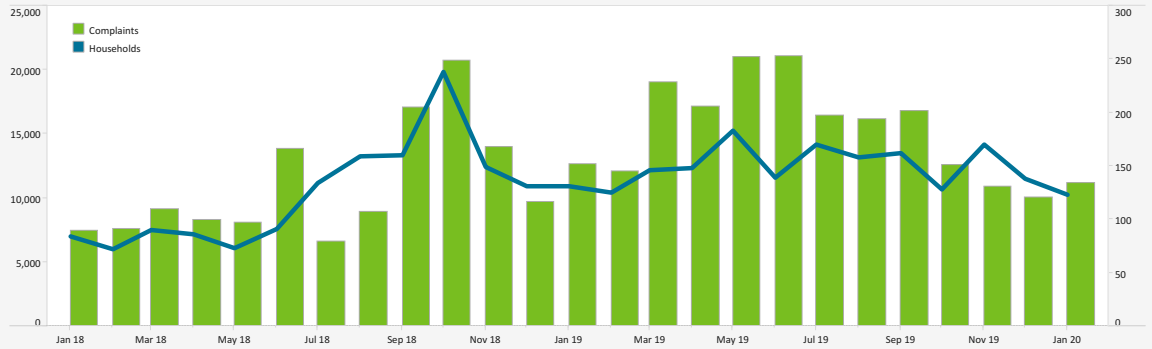
Airline	Early Turns Over Mission Beach	Total Operator Departures	% Departures with Early Turns Over Mission Beach
General Aviation	5	1,316	0.3%
Southwest Airlines	2	6,704	0.0%
United Airlines	1	1,613	0.1%
UPS Airlines	1	78	1.3%
British Airways	1	59	1.7%
Alaska Airlines	1	1,505	0.1%

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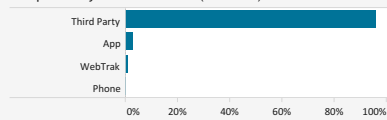
NOISE COMPLAINT STATISTICS



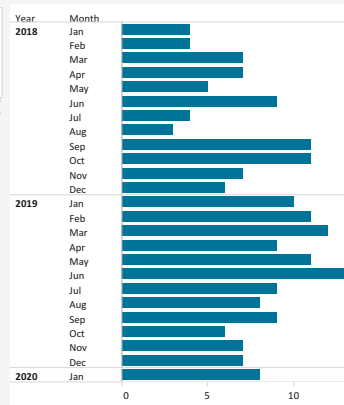
Total Complaints Compared to Total Households



Complaints by Contact Method (Jan 2020)



Number of Households with 500+ Complaints per Month

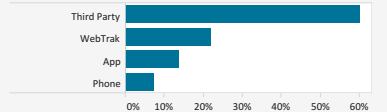


Disturbance Type (Jan 2020)

Disturbance Type	Number of Complaints	% of Total
Too Loud	10,543	94.3%
Overflight	512	4.6%
Too Low	83	0.7%
Suspected Off Course	17	0.2%
Curfew Violation	12	0.1%
Other	4	0.0%
Go-around	4	0.0%
Off Course	2	0.0%
Early turn	2	0.0%
Low flying	1	0.0%

The Authority reports all complaints.

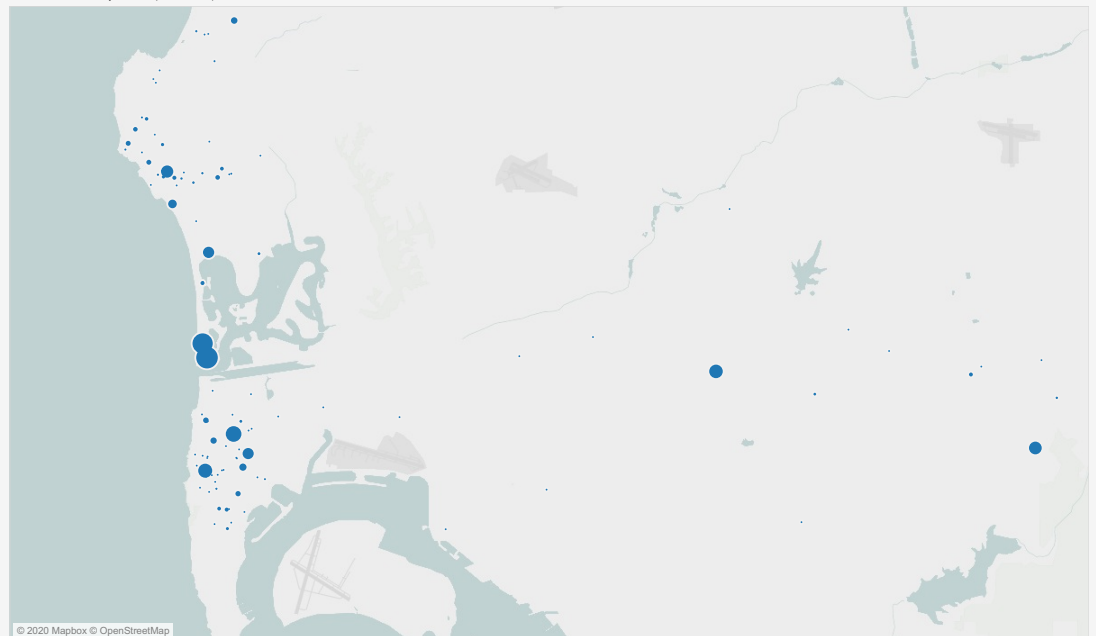
Households with Complaints by Contact Method (Jan 2020)



Number of Complaints by Neighborhood (Jan 2020)

Neighborhood	Complaints	Households
Grand Total	11,180	123
Mission Beach	3,763	12
Point Loma Heights	1,689	12
Bird Rock	931	6
Sunset Cliffs	829	12
El Cerrito	739	1
Spring Valley	652	1
Pacific Beach	652	7
Roseville-Fleet Ridge	321	2
The Muirlands	304	9
La Jolla Heights	177	2
Ocean Beach	163	8
Wooded Area	130	7
Lower Hermosa	115	2
Upper Hermosa	105	2
Beach Barber Tract	100	2
Del Mar Heights	98	2
Casa De Oro-Mt. Helix	95	4
La Jolla Alta	65	2
La Playa	61	5
La Jolla Mesa	51	3
La Mesa	32	4
Crown Point	31	1
La Jolla Shores	22	3
Hidden Valley	16	1
Loma Portal	11	2
La Jolla Village	7	2
Village of La Jolla	5	1
University Heights	5	1
Marina/Downtown	5	1
South Park	1	1
Normal Heights	1	1
Mission Hills	1	1
Imperial Beach	1	1
Encanto	1	1
Allied Gardens	1	1

Location of Complaints (Jan 2020)



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