

QUIETER HOME PROGRAM

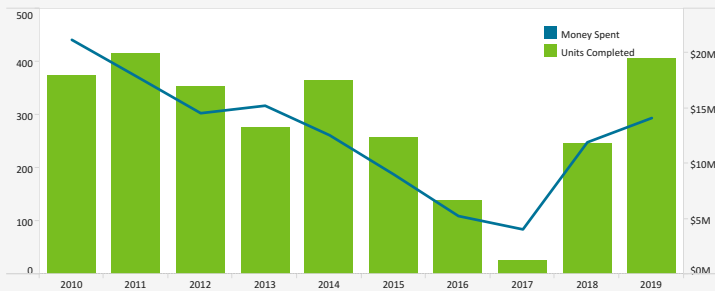


Quieter Home Program As Of: 12/31/2019

Status of Homes	
Homes on Wait List	1,355
Homes Added to Wait List This Month	3
Homes Completed This Month	27
Total Homes Completed	4,149
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

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	4%
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.

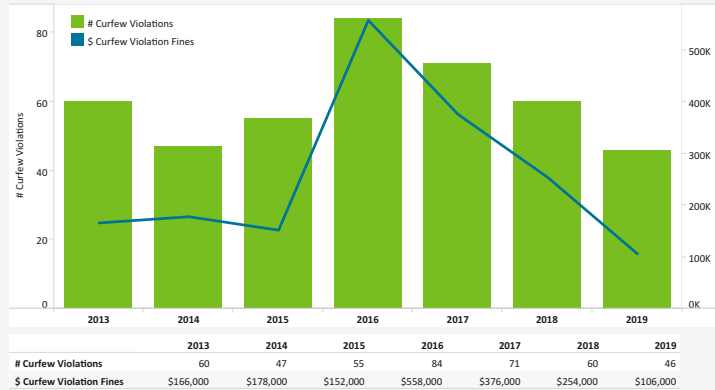
Curfew Violations (Dec 2019)

Date, Time	Airline	Aircraft Type	Penalty Status
12/01/19, 11:37 PM	United Airlines	B752	Pending Review
12/03/19, 11:37 PM	jetBlue Airways	A321	Pending Review
12/22/19, 11:31 PM	Southwest Airlines	B738	Pending Review
12/26/19, 12:49 AM	American Airlines	A321	Pending Review
12/26/19, 11:39 PM	Delta Air Lines	A320	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	\$106,000

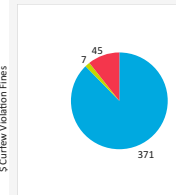
Curfew Violations and Penalties Assessed (by Year)



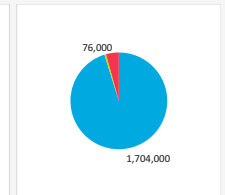
Airline Category

AIR CAR G/A

Violations by Airline Category



Fines Assessed by Category



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	371	\$1,704,000
CAR	7	\$10,000
G/A	45	\$76,000

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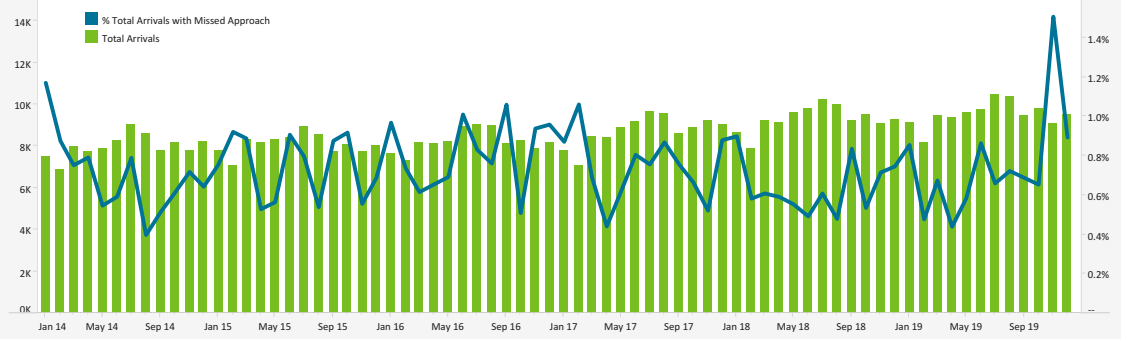
MISSSED APPROACH STATISTICS



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.

In the month of December, there were 12 days of inclement weather, requiring FAA Air Traffic Control to modify normal departure and arrival procedures, which resulted in Missed Approaches and Early Turns.

Total Arrivals Compared to (%) of Missed Approaches

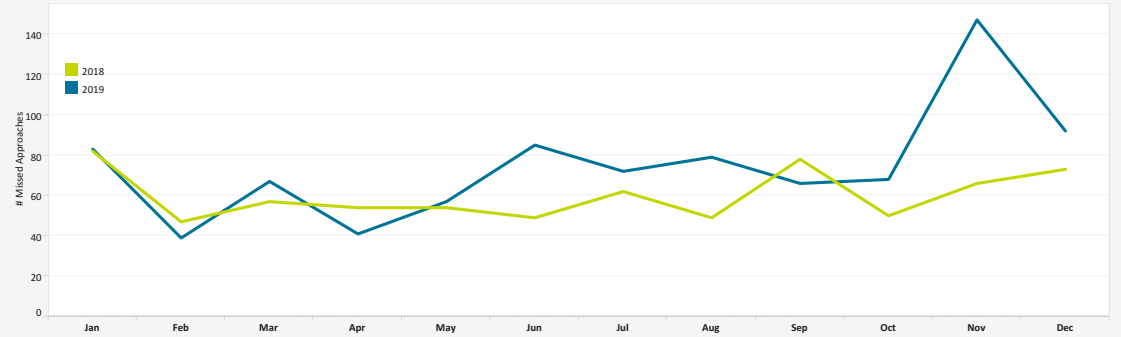


	2014	2015	2016	2017	2018	2019
% Total Arrivals with Missed Approach	0.7%	0.7%	0.8%	0.7%	0.6%	0.8%
Total Arrivals	95,794	97,096	98,756	104,725	111,618	114,191
Total Missed Approaches	700	760	832	795	721	895

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	0	3	0	52	95	61
Between Noise Dot #2 - JETTI	36	6	40	12	34	5	4	22	13
Between JETTI - Noise Dot #3	8	2	33	8	13	6	9	26	11
Between Noise Dot #3 - Noise Dot #4	7	0	17	1	8	0	2	5	7
Between Noise Dot #4 - Noise Dot #5	1	0	5	1	0	2			
Between 265°-295° Heading (Standard)									
East of Airport									
Left of 265°									
Right of 295°									

Total Missed Approaches



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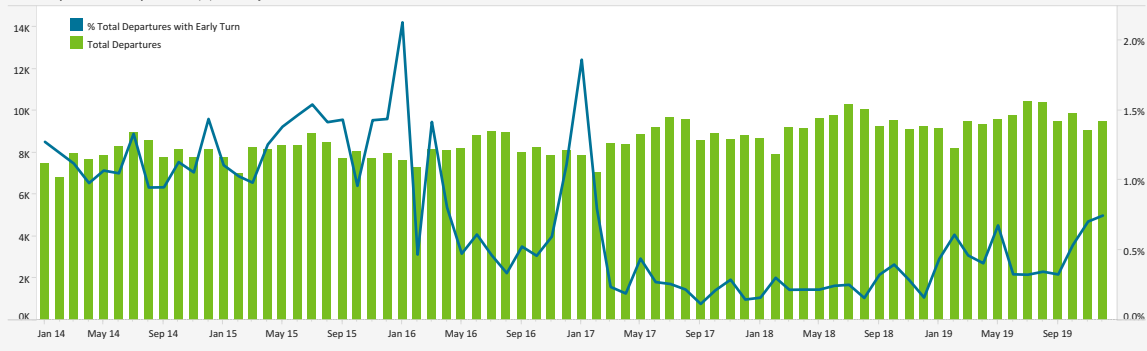
EARLY TURN STATISTICS



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.

In the month of December, there were 12 days of inclement weather, requiring FAA Air Traffic Control to modify normal departure and arrival procedures, which resulted in Missed Approaches and Early Turns.

Total Departures Compared to (%) of Early Turns



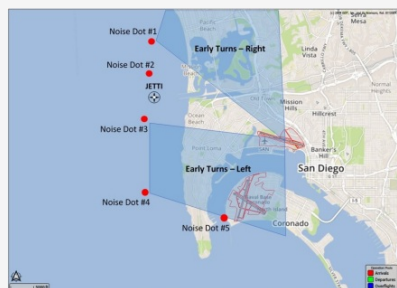
	2014	2015	2016	2017	2018	2019
Total Early Turns	1,266	1,421	914	558	395	741

Departure Statistics (Dec 2019)

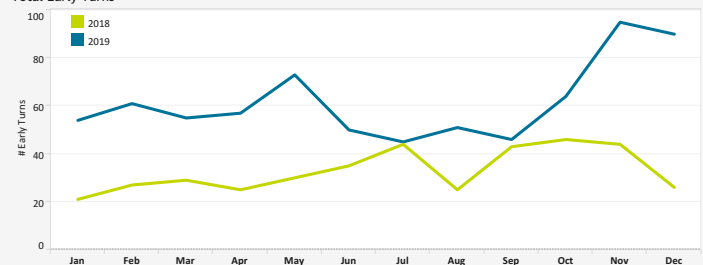
	Oct	Nov	Dec
Jets Turning Left	4,854	4,316	4,467
Between ZZ000 & Noise Dots	614	654	698
Compliant with Nighttime Departure Heading (290°)	448	378	391
Not Nighttime Compliant: Straight Out	44	3	10
Not Nighttime Compliant: East	0	13	32
Not Nighttime Compliant: Over La Jolla	6	22	15

Cause of Early Turns (Dec 2019)

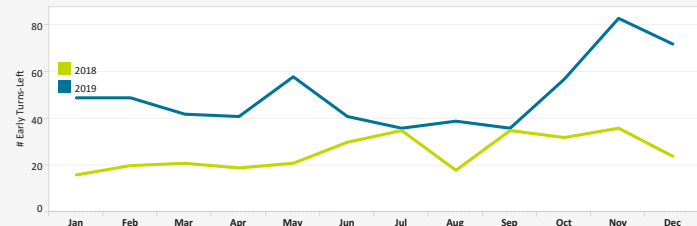
	Oct	Nov	Dec
# Caused by ATC Vectors	63	76	82
# Caused by Pilot Deviation	1	3	3
# Caused by Weather	0	16	5



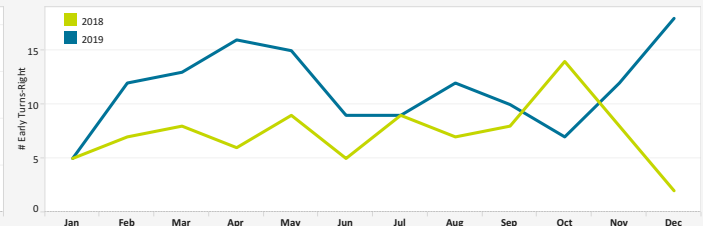
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (Dec 2019)

Airline	Early Turns Over Point Loma	Total Operator Departures	% Departures with Early Turns Over Point Loma
Southwest Airlines	25	6,753	0.4%
American Airlines	11	1,538	0.7%
United Airlines	10	1,672	0.6%
Delta Air Lines	9	1,549	0.6%
General Aviation	5	1,349	0.4%
Alaska Airlines	4	1,622	0.2%
SkyWest Airlines	2	1,435	0.1%
jetBlue Airways	1	348	0.3%
UPS Airlines	1	112	0.9%
Horizon Air	1	349	0.3%
Frontier Airlines	1	290	0.3%
FedEx Express	1	240	0.4%
Compass Airlines	1	602	0.2%

Early Turn by Operator (Dec 2019)

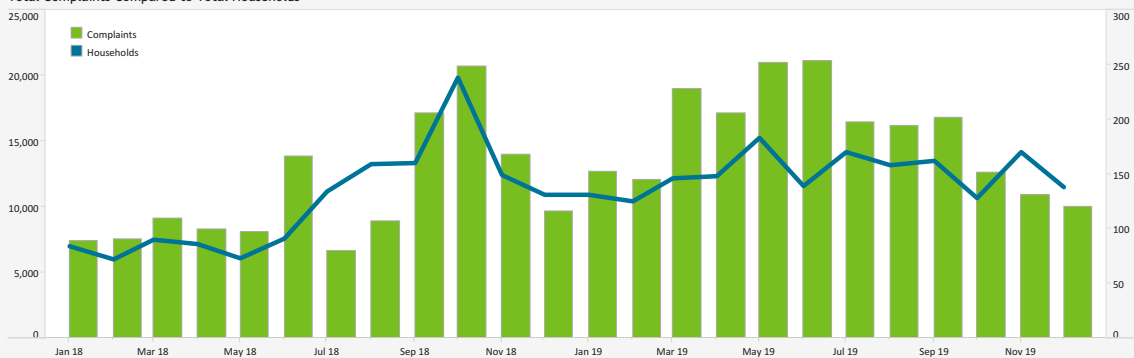
Airline	Early Turns Over Mission Beach	Total Operator Departures	% Departures with Early Turns Over Mission Beach
General Aviation	4	1,349	0.3%
Alaska Airlines	3	1,622	0.2%
UPS Airlines	2	112	1.8%
Southwest Airlines	2	6,753	0.0%
SkyWest Airlines	2	1,435	0.1%
American Airlines	2	1,538	0.1%
United Airlines	1	1,672	0.1%
FedEx Express	1	240	0.4%
Compass Airlines	1	602	0.2%

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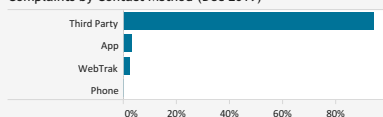
NOISE COMPLAINT STATISTICS



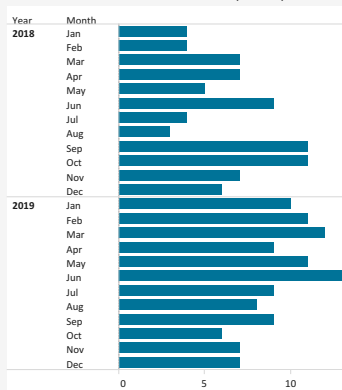
Total Complaints Compared to Total Households



Complaints by Contact Method (Dec 2019)



Number of Households with 500+ Complaints per Month

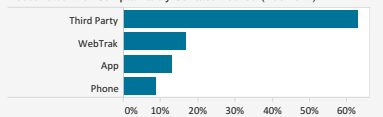


Disturbance Type (Dec 2019)

Disturbance Type	Number of Compliants	% of Total
Too Loud	9,671	96.5%
Too Low	194	1.9%
Overflight	119	1.2%
Suspected Off Course	22	0.2%
Curfew Violation	17	0.2%
Off Course	2	0.0%

The Authority reports all complaints.

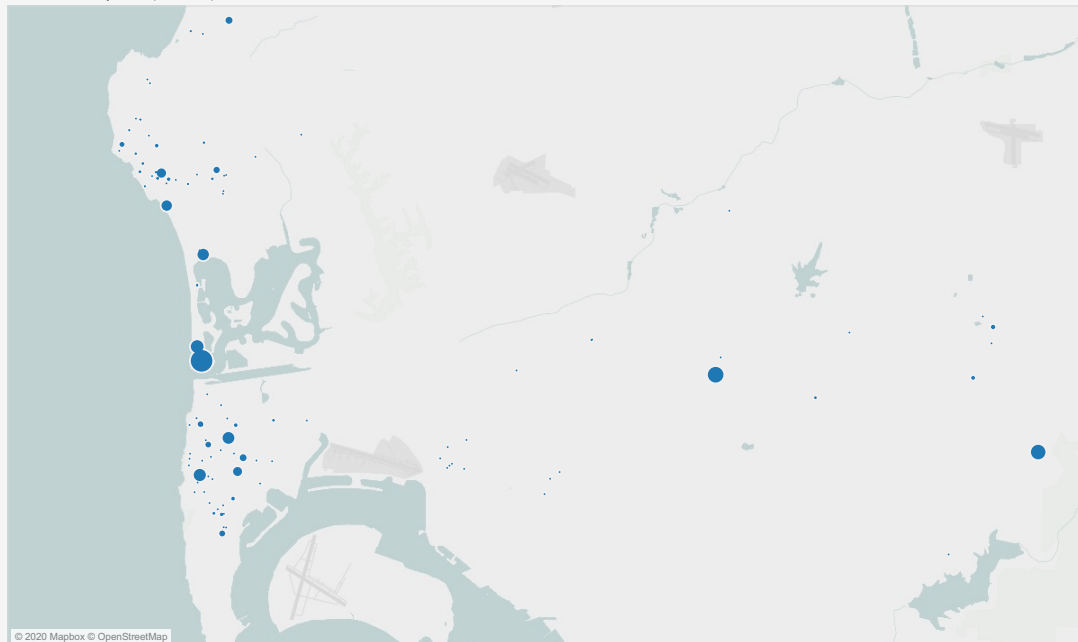
Households with Complaints by Contact Method (Dec 2019)



Number of Complaints by Neighborhood (Dec 2019)

Neighborhood	Complaints	Households
Grand Total	10,025	138
Mission Beach	2,864	14
Bird Rock	1,033	10
El Cerrito	1,025	2
Point Loma Heights	958	9
Spring Valley	880	2
Sunset Cliffs	634	9
Pacific Beach	601	10
Roseville-Fleet Ridge	483	4
La Jolla Heights	244	3
La Jolla Alta	184	2
Ocean Beach	180	11
The Mairlands	163	8
La Playa	158	4
Casa De Oro-Mt. Helix	141	4
Lower Hermosa	107	2
Wooded Area	94	7
Upper Hermosa	56	4
Del Mar Heights	47	2
Beach Barber Tract	36	3
La Mesa	33	2
Loma Portal	31	3
La Jolla Shores	28	2
Banker's Hill	13	8
La Jolla Village	8	2
University Heights	5	1
La Jolla Mesa	5	2
South Park	4	2
Bay Ho	3	1
Allied Gardens	3	1
Normal Heights	2	2
Eastlake Greens	1	1
Burlingame	1	1

Location of Complaints (Dec 2019)



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