

QUIETER HOME PROGRAM

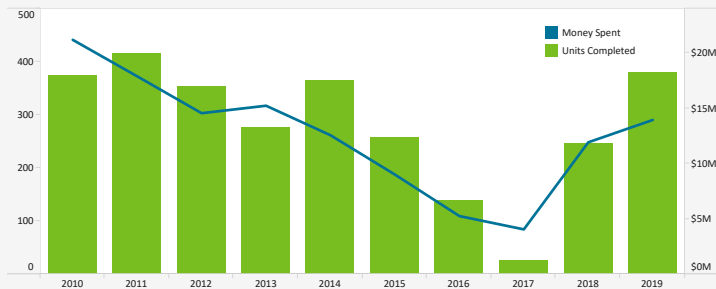


Quieter Home Program As Of: 11/30/2019

Status of Homes	
Homes on Wait List	1,353
Homes Added to Wait List this month	7
Homes Completed this month	28
Estimated Homes to Complete in CY 2019	400
Total Homes Completed	4,122

Project	Estimated Construction Start	# Homes
9.9	Underway	125
9.11	Underway	46
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	15
10.6	Winter 2020	42
10.7	Winter 2020	56
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%	23%	3%

Effectiveness

Question	Answer	Percentage
Effectiveness of Doors	Significant Improvement	81%
	Slight Improvement	14%
	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 (Nov 2019)

Date	Time	Airline	Aircraft Type	Penalty Status
11/17/19	02:15 AM	Revolution Worldwide LLC	GLF4	Pending Review
	11:52 PM	British Airways	B744	Pending Review
11/21/19	12:16 AM	Vistalet	GLEK	Pending Review
11/25/19	12:28 AM	DT EQUIPMENT LEASING LLC	C750	Pending Review
11/30/19	11:38 PM	Sun Country Airlines	B738	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	41	\$106,000

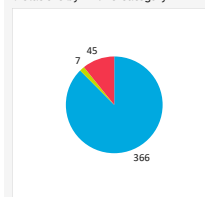
Curfew Violations and Penalties Assessed (by Year)



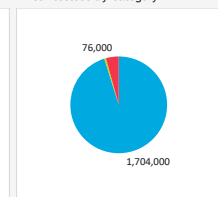
Airline Category

- AIR
- CAR
- G/A

Violations by Airline Category



Fines Assessed by Category



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	366	\$1,704,000
CAR	7	\$10,000
G/A	45	\$76,000

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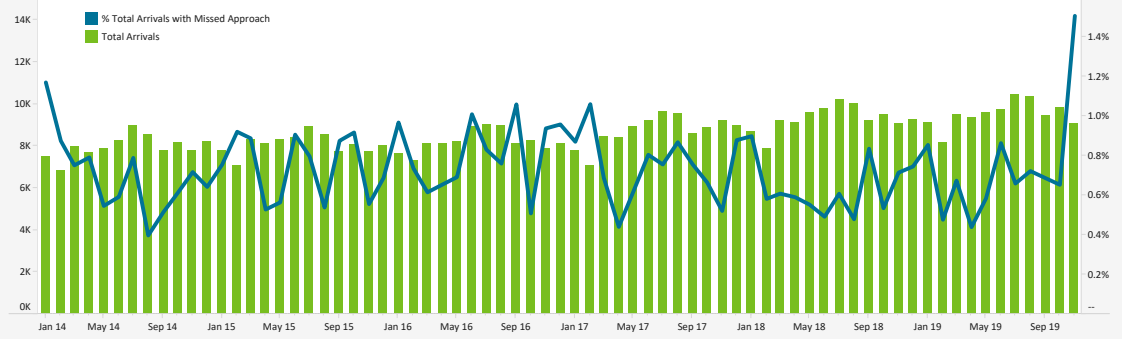
MISSED APPROACH STATISTICS



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 November, there were 16 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

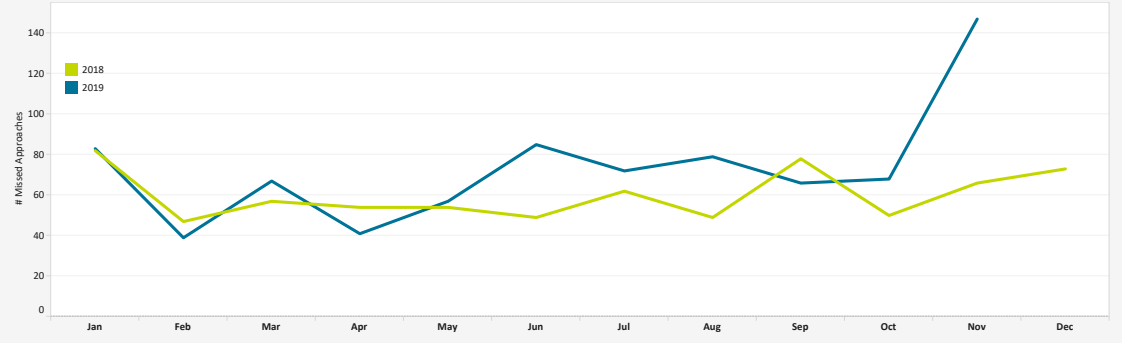


	2014	2015	2016	2017	2018	2019
% Total Arrivals with Missed Approach	0.7%	0.7%	0.8%	0.7%	0.6%	0.7%
Total Arrivals	95,794	97,096	98,756	104,725	111,618	104,666
Total Missed Approaches	700	760	832	795	721	803

Missed Approach Location Statistics

	Sep		Oct		Nov		Sep	Oct	Nov
	Day	Night	Day	Night	Day	Night			
Between Noise Dot #1 - Noise Dot #2	1	0	0	0	2	0	45	52	95
Between Noise Dot #2 - JETTI	29	2	36	6	40	12	2	4	22
Between JETTI - Noise Dot #3	11	2	8	2	33	8	11	9	26
Between Noise Dot #3 - Noise Dot #4	10	0	7	0	17	1	4	2	5
Between Noise Dot #4 - Noise Dot #5	1	0	1	0	5	1			
Between 265°-295° Heading (Standard)									
East of Airport									
Left of 265°									
Right of 295°									

Total Missed Approaches



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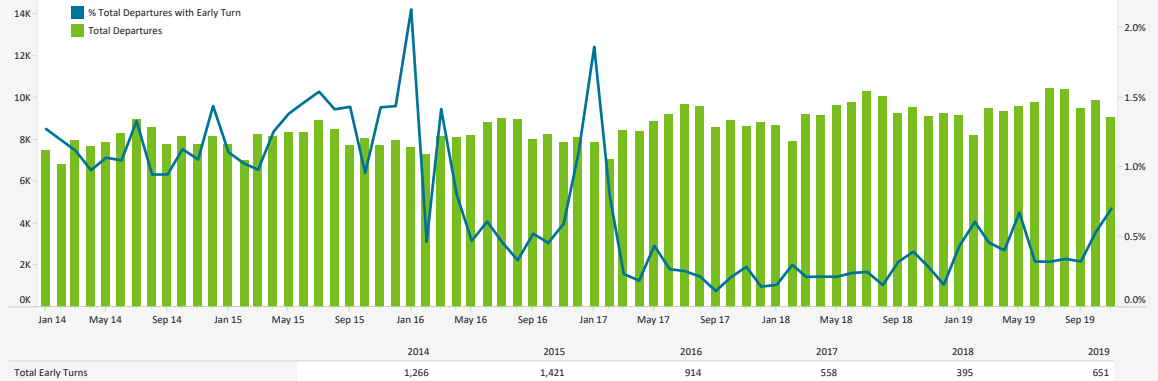
EARLY TURN STATISTICS



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 November, there were 16 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

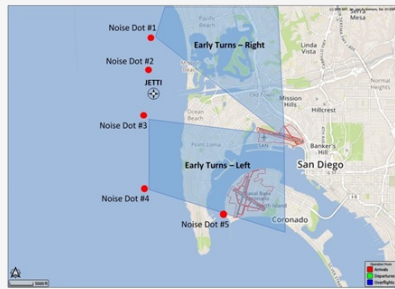


Departure Statistics (Nov 2019)

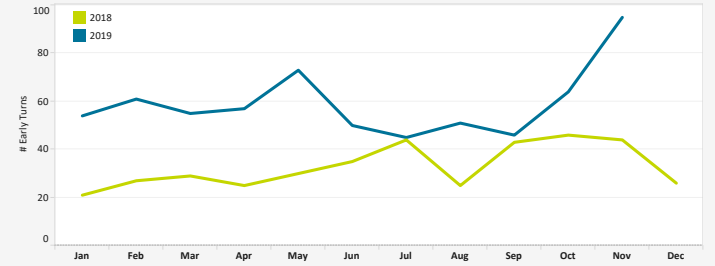
	Sep	Oct	Nov
Jets Turning Left	4,675	4,854	4,316
Between Z2000 & Noise Dots	621	614	654
Compliant with Nighttime Departure Heading (290°)	339	448	378
Not Nighttime Compliant: Straight Out	5	44	3
Not Nighttime Compliant: East	0	0	13
Not Nighttime Compliant: Over La Jolla	17	6	22

Cause of Early Turns (Nov 2019)

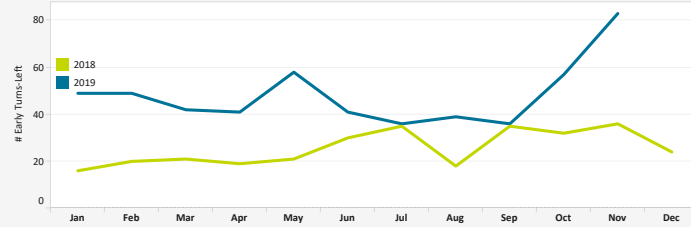
	Sep	Oct	Nov
# Caused by ATC Vectors	45	63	76
# Caused by Pilot Deviation	1	1	3
# Caused by Weather	0	0	16



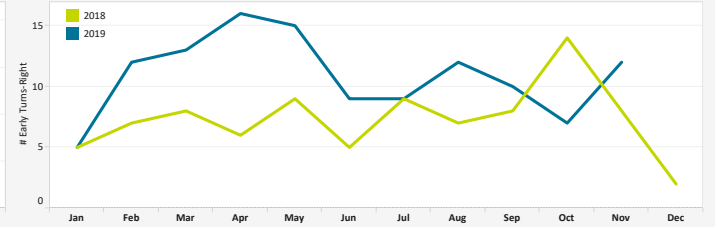
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (Nov 2019)

Airline	Early Turns Over Point Loma	Total Operator Departures	% Departures with Early Turns Over Point Loma
Southwest Airlines	34	6,405	0.5%
American Airlines	8	1,425	0.6%
Alaska Airlines	8	1,630	0.5%
General Aviation	7	1,413	0.5%
United Airlines	5	1,600	0.3%
Delta Air Lines	5	1,393	0.4%
SkyWest Airlines	4	1,329	0.3%
Frontier Airlines	4	319	1.3%
Horizon Air	2	391	0.5%
British Airways	2	50	4.0%
Westjet	1	52	1.9%
UPS Airlines	1	70	1.4%
FedEx Express	1	195	0.5%

Early Turn by Operator (Nov 2019)

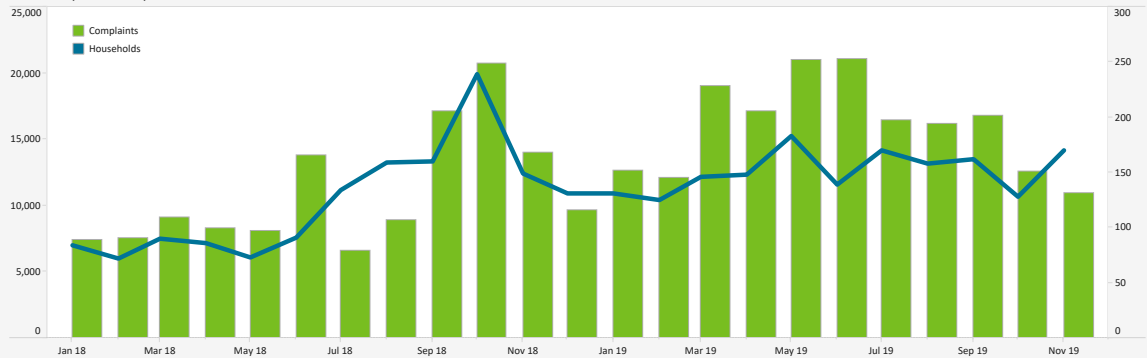
Airline	Early Turns Over Mission Beach	Total Operator Departures	% Departures with Early Turns Over Mission Beach
Southwest Airlines	6	6,405	0.1%
General Aviation	3	1,413	0.2%
United Airlines	1	1,600	0.1%
UPS Airlines	1	70	1.4%
Alaska Airlines	1	1,630	0.1%

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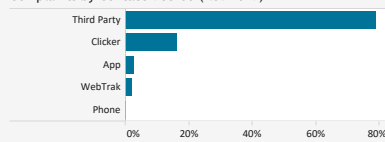
NOISE COMPLAINT STATISTICS



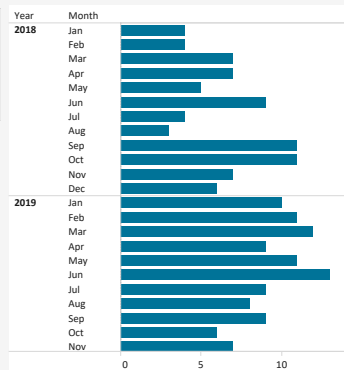
Total Complaints Compared to Total Households



Complaints by Contact Method (Nov 2019)



Number of Households with 500+ Complaints per Month

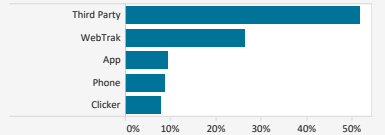


Disturbance Type (Nov 2019)

Disturbance Type	Number of Complaints	% of Total
Too Loud	10,587	97.0%
Too Low	145	1.3%
Overflight	101	0.9%
Curfew Violation	41	0.4%
Suspected Off Course	38	0.3%
Off Course	4	0.0%
Other	1	0.0%

The Authority reports all complaints.

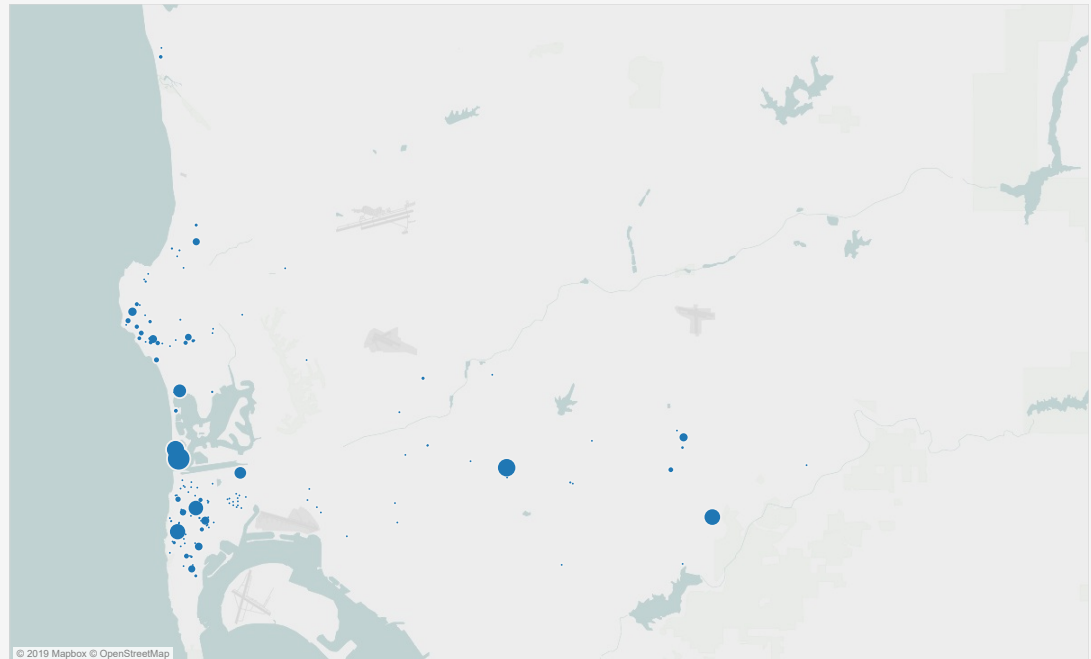
Households with Complaints by Contact Method (Nov 2019)



Number of Complaints by Neighborhood (Nov 2019)

Neighborhood	Complaints	Households
Grand Total	10,917	170
Mission Beach	3,957	18
Point Loma Heights	1,019	10
El Cerritto	915	1
Sunset Cliffs	753	7
Spring Valley	738	2
The Muirlands	625	10
Pacific Beach	555	6
Midway District	409	1
Mt. Helix	289	4
Roseville - Fleet Ridge	230	2
Bird Rock	186	5
La Jolla Heights	178	2
La Playa	177	2
Ocean Beach	166	21
La Jolla Alta	136	2
Upper Hermosa	126	2
Wooded Area	94	5
Beach Barber Tract	57	2
Mt. Soledad	41	3
Del Mar	39	1
La Jolla Shores	32	3
Serra Mesa	29	1
Village of La Jolla	20	2
Loma Portal	19	14
Normal Heights	17	3
La Mesa	17	3
La Jolla Mesa	17	4
Crown Point	16	1
Point Loma	12	9

Location of Complaints (Nov 2019)



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