

QUIETER HOME PROGRAM

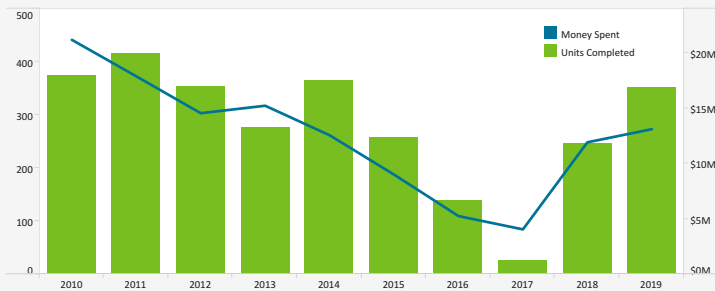


Quieter Home Program As Of: 10/31/2019

Status of Homes	
Homes on Wait List as of 10/31/19	1,400
Homes Added to Wait List – September	11
Homes Added to Wait List – October	25
Homes Completed in September	42
Homes Completed in October	51
Estimated Homes to Complete in CY 2019	400
Total Homes Completed (through 10/31/19)	4,094

Project	Estimated Construction Start	# Homes
9.9	Underway	125
9.1	Underway	42
9.11	Fall 2019	46
9.12	Underway	32
10.1	Winter 2019	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

From 2001 – 2009, \$89.8 Million Was Spent To Complete 1,291 Homes



Post – Construction Homeowner Survey Results

Overall Experience

Excellent	Satisfied	Unsatisfied
74%	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	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.

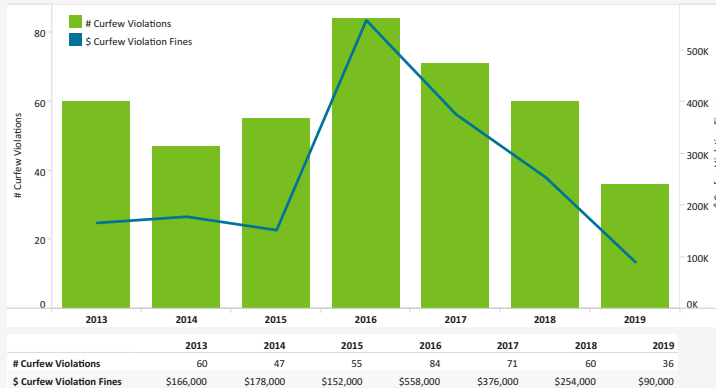
Curfew Violations (Oct 2019)

Date	Time	Airline	Aircraft Type	Penalty Status
10/13/19	12:23 AM	jetBlue Airways	A321	Pending Review
10/15/19	11:43 PM	Alaska Airlines	B738	Pending Review
10/17/19	11:32 PM	MP Aviation LLC	B721	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	36	\$90,000

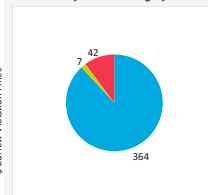
Curfew Violations and Penalties Assessed (by Year)



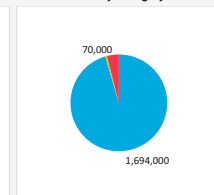
Airline Category

AIR CAR G/A

Violations by Airline Category



Fines Assessed by Category



Airline Category	# Curfew Violations	\$ Curfew Violation Fines
AIR	364	\$1,694,000
CAR	7	\$10,000
G/A	42	\$70,000

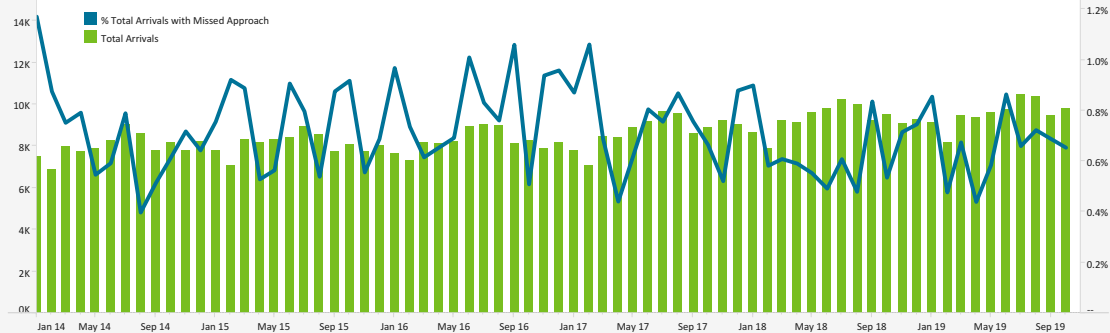
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MISSSED APPROACH STATISTICS



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

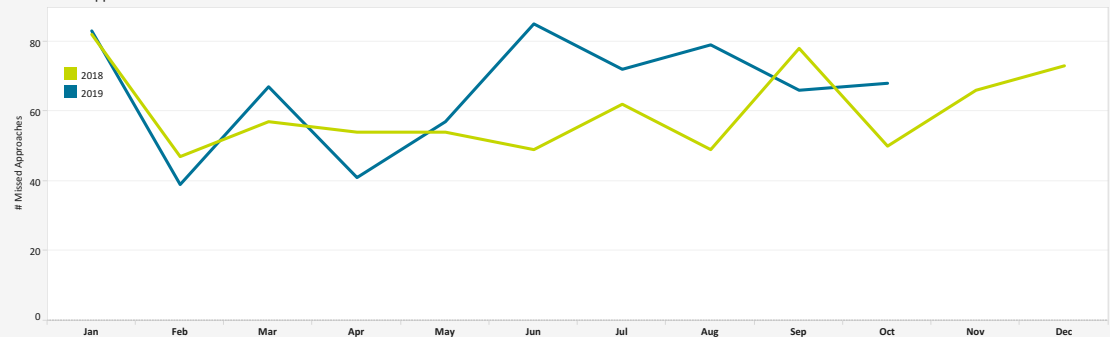


	2014	2015	2016	2017	2018	2019
% Total Arrivals with Missed Approach	0.7%	0.7%	0.8%	0.7%	0.6%	0.7%
Total Arrivals	95,794	97,096	98,756	104,725	111,618	95,572
Total Missed Approaches	700	760	832	795	721	656

Missed Approach Location Statistics

	Aug		Sep		Oct		Aug	Sep	Oct
	Day	Night	Day	Night	Day	Night			
Between Noise Dot #1 - Noise Dot #2	1	1	1	0	0	0	50	45	52
Between Noise Dot #2 - JETT1	23	7	29	2	36	6	14	2	4
Between JETT1 - Noise Dot #3	16	2	11	2	8	2	12	11	9
Between Noise Dot #3 - Noise Dot #4	10	1	10	0	7	0	3	4	2
Between Noise Dot #4 - Noise Dot #5	1	0	1	0	1	0			
Between 265°-295° Heading (Standard)									
East of Airport									
Left of 265°									
Right of 295°									

Total Missed Approaches



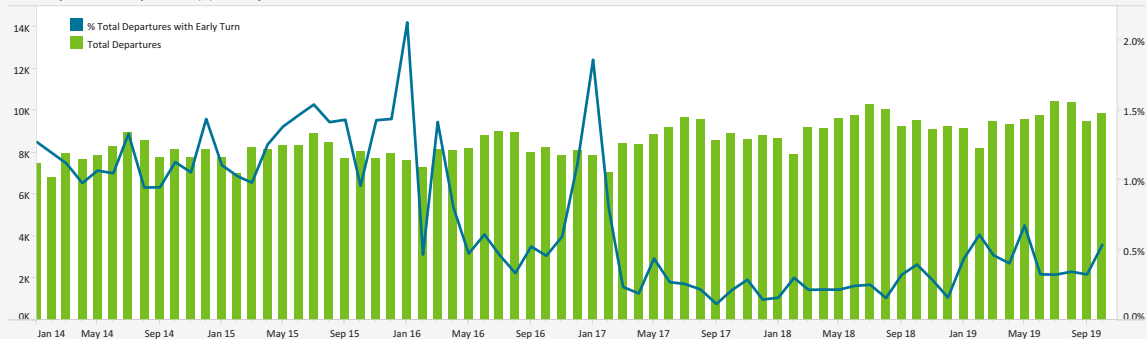
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EARLY TURN STATISTICS



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.

Total Departures Compared to (%) of Early Turns



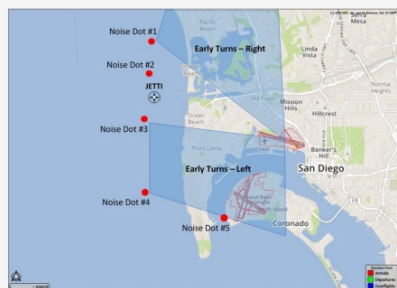
	2014	2015	2016	2017	2018	2019
Total Early Turns	1,266	1,421	914	558	395	556

Departure Statistics (Oct 2019)

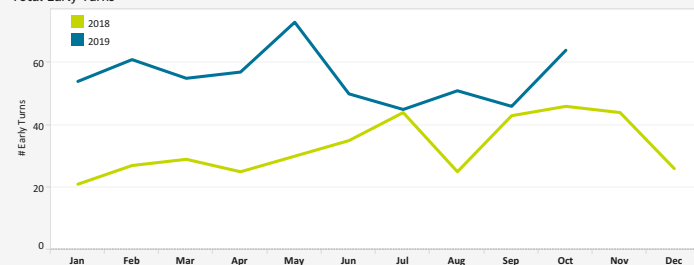
	Aug	Sep	Oct
Jets Turning Left	5,270	4,675	4,854
Between Z2000 & Noise Dots	650	621	614
Compliant with Nighttime Departure Heading (290°)	494	339	449
Not Nighttime Compliant: Straight Out	1	5	43
Not Nighttime Compliant: East	0	0	0
Not Nighttime Compliant: Over La Jolla	18	17	6

Cause of Early Turns (Oct 2019)

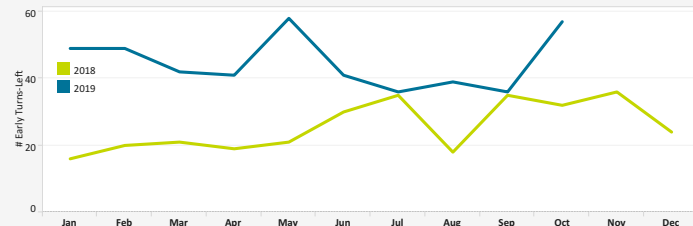
	Aug	Sep	Oct
# Caused by ATC Vectors	50	45	63
# Caused by Pilot Deviation	1	1	1
# Caused by Weather	0	0	0



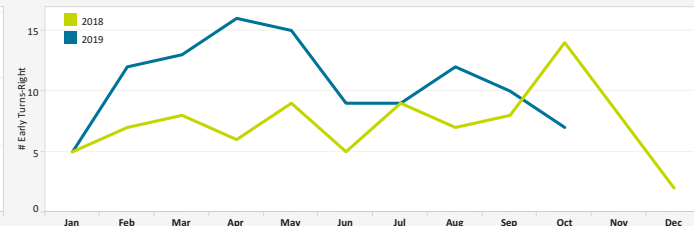
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (Oct 2019)

Airline	Early Turns Over Point Loma	Total Operator Departures	% Departures with Early Turns Over Point Loma
Southwest Airlines	16	7,056	0.2%
Delta Air Lines	11	1,498	0.7%
United Airlines	8	1,696	0.5%
SkyWest Airlines	5	1,262	0.4%
American Airlines	5	1,506	0.3%
General Aviation	3	1,341	0.2%
Frontier Airlines	3	296	1.0%
Alaska Airlines	3	1,900	0.2%
jetBlue Airways	1	402	0.2%
Lufthansa	1	44	2.3%
Compass Airlines	1	771	0.1%

Early Turn by Operator (Oct 2019)

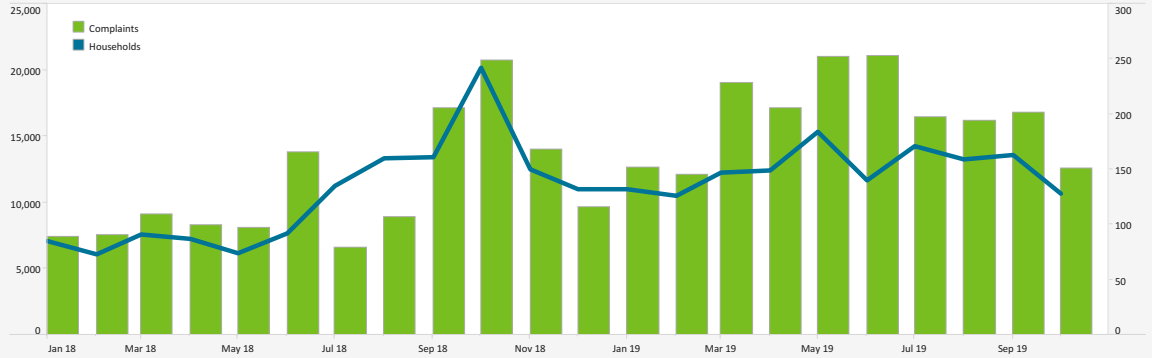
Airline	Early Turns Over Mission Beach	Total Operator Departures	% Departures with Early Turns Over Mission Beach
General Aviation	4	1,341	0.3%
Southwest Airlines	1	7,056	0.0%
SkyWest Airlines	1	1,262	0.1%
Compass Airlines	1	771	0.1%

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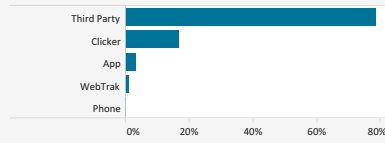
NOISE COMPLAINT STATISTICS



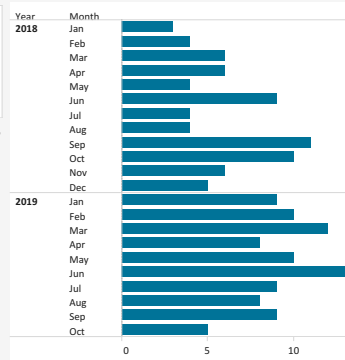
Total Complaints Compared to Total Households



Complaints by Contact Method (Oct 2019)



Number of Households with 500+ Complaints per Month

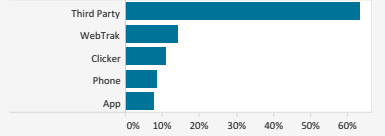


Disturbance Type (Oct 2019)

Disturbance Type	Number of Complaints	% of Total
Too Loud	12,259	97.5%
Overflight	234	1.9%
Too Low	42	0.3%
Suspected Off Course	23	0.2%
Curfew Violation	14	0.1%
Off Course	2	0.0%
Helicopter	2	0.0%
Increased Flight Volume	1	0.0%

The Authority reports all complaints.

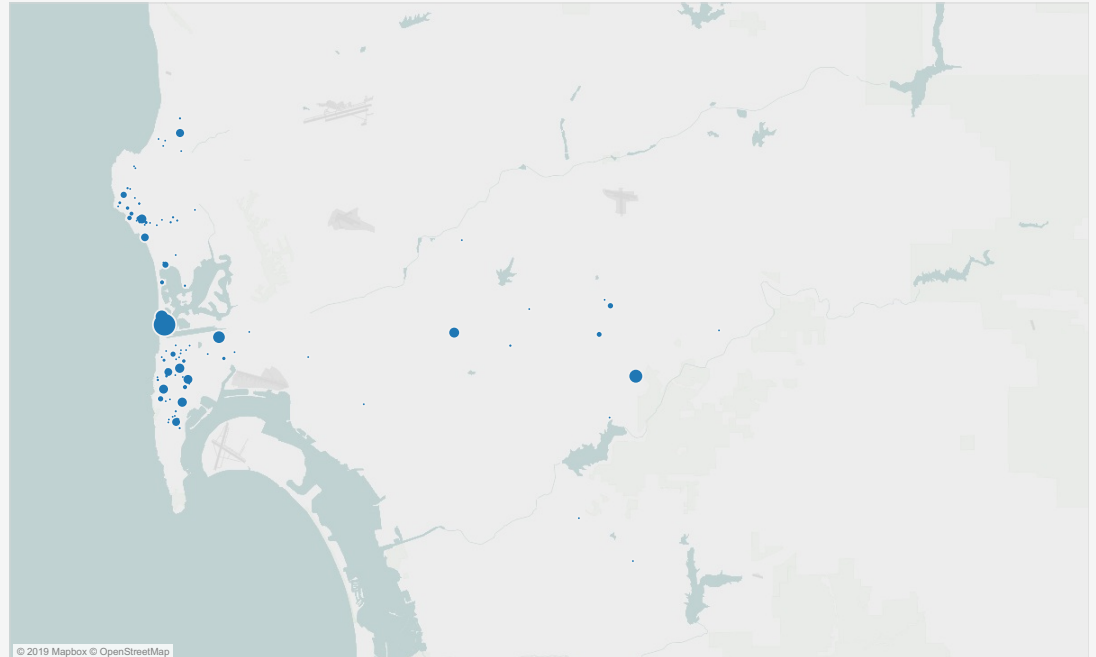
Households with Complaints by Contact Method (Oct 2019)



Number of Complaints by Neighborhood (Oct 2019)

Neighborhood	Complaints	Households
Grand Total	12,577	128
Mission Beach	4,856	22
Bird Rock	1,087	11
Roseville	900	3
Spring Valley	849	2
Midway District	683	1
Sunset Cliffs	669	4
Ocean Beach	627	17
Mid-City	490	1
Point Loma Heights	438	4
The Muirlands	412	9
La Jolla Colony	350	2
La Playa	348	7
Mt. Helix	263	3
Pacific Beach	216	4
Mt. Soledad	62	4
Del Mar	61	2
Loma Portal	59	3
La Jolla	40	1
La Mesa	29	2
Crown Point	26	1
La Jolla Mesa	25	3
Wooded Area	24	3
La Jolla Shores	16	3
Poway	15	1
La Jolla Village	9	2
Point Loma	5	4
Del Cerro	5	1
Imperial Beach	4	1
Rancho San Diego	3	1

Location of Complaints (Oct 2019)



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