

QUIETER HOME PROGRAM



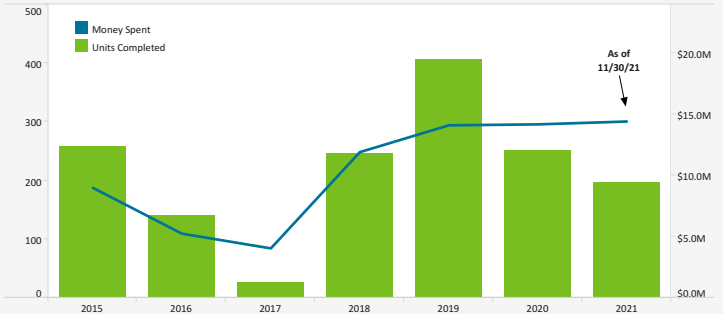
Quieter Home Program As Of: 11/30/2021

| Status of Homes | |
|--|-------|
| Homes on Wait List | 906 |
| Homes Completed this month | 29 |
| Total Homes Completed | 4,641 |
| Added this month | 12 |
| Estimated Homes to Complete in CY 2021 | 215 |

| Project | Estimated Construction Start | # Homes |
|-------------|------------------------------|---------|
| 10.11 | In Process | 56 |
| 10.12 | In Process | 13 |
| 11.1 | In Process | 51 |
| 11.2 | Winter 2022 | 43 |
| 11.3 | Winter 2022 | 102 |
| 11.4 (QNRP) | Spring 2022 | 1 |
| 11.5 | Spring 2022 | 39 |
| 11.6 | Spring 2022 | 119 |
| 11.7 | Summer 2022 | 60 |
| 11.8 | Summer 2022 | 112 |
| 11.9 | Fall 2022 | 36 |
| 11.10 | Winter 2022 | 142 |
| 11.11 | Winter 2023 | 59 |
| 11.12 | Winter 2023 | 52 |
| 12.1 | Winter 2023 | 60 |
| 12.2 | Spring 2023 | 73 |

QNRP: Quieter Non-Residential Pr..

From 2001 – 2009, \$89.8 Million Was Spent To Complete 1,356 Homes



Post – Construction Homeowner Survey Results

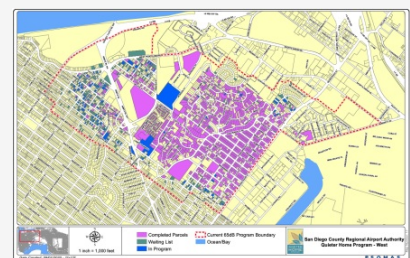
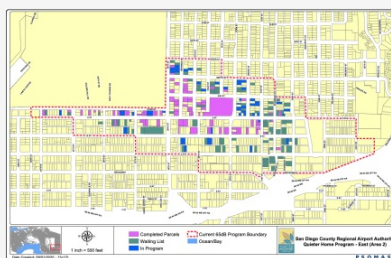
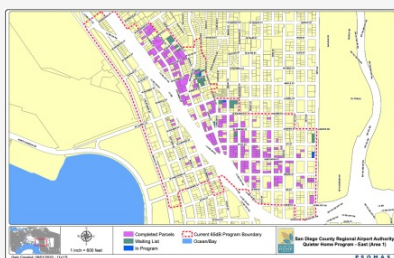
Overall Experience

| Excellent | Satisfied | Unsatisfied |
|-----------|-----------|-------------|
| 76% | 22% | 3% |

Effectiveness

| Question1 | Answer1 | Percentage |
|------------------------------|-------------------------|------------|
| Effectiveness of Doors | Significant Improvement | 82% |
| | Slight Improvement | 13% |
| | No Improvement | 4% |
| | Not Installed | 2% |
| Effectiveness of Ventilation | Significant Improvement | 72% |
| | Slight Improvement | 11% |
| | No Improvement | 8% |
| | Not Installed | 9% |
| Effectiveness of Windows | Significant Improvement | 87% |
| | Slight Improvement | 11% |
| | No Improvement | 2% |
| | Not Installed | 0% |

Program Boundary Maps



Data Disclaimer: We do our best to ensure that the data we release is complete, accurate and useful. However, because we do not create the data, and because the processing required to make the data useful is complex, we are not liable for omissions, inaccuracies or changes in the data.

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.

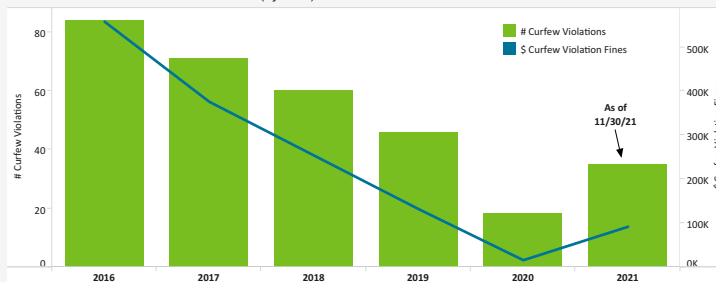
Curfew Violations (October-November 2021)

| Date, Time | Airline | Aircraft Type | Status |
|----------------------|-----------------------|---------------|-----------------|
| 10/5/2021, 12:06 AM | SkyWest Airlines | E75L | Pending Review |
| 10/7/2021, 11:55 PM | Delta Air Lines | B764 | FINED - \$4,000 |
| 10/29/2021, 12:02 AM | FedEx Express | B763 | Not Fined |
| 11/3/2021, 11:37 PM | N7025I LLC | CRJ2 | Pending Review |
| 11/8/2021, 12:57 AM | Mandalay Resort Group | E190 | Pending Review |
| 11/10/2021, 12:01 AM | jetBlue Airways | A321 | Pending Review |
| 11/18/2021, 11:30 PM | Elite Airways | CRJ2 | Pending Review |

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

| Year | Total Violations | Fines Assessed |
|------|------------------|----------------|
| 2016 | 84 | \$558,000 |
| 2017 | 71 | \$376,000 |
| 2018 | 60 | \$254,000 |
| 2019 | 46 | \$132,000 |
| 2020 | 18 | \$16,000 |
| 2021 | 35 | \$92,000 |

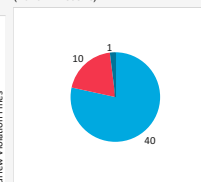
Curfew Violations and Penalties Assessed (by Year)



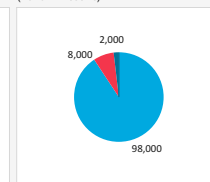
Airline Category

- AIR
- G/A
- GOV

Violations by Airline Category (2020 - Present)



Fines Assessed by Airline Category (2020 - Present)



| Airline Category | # Curfew Violations | \$ Curfew Violation Fines |
|------------------|---------------------|---------------------------|
| AIR | 40 | \$98,000 |
| G/A | 10 | \$8,000 |
| GOV | 1 | \$2,000 |

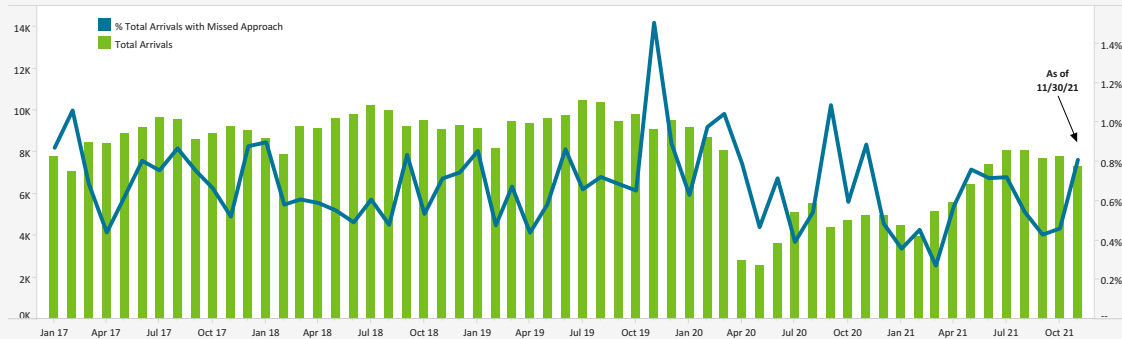
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MISSSED APPROACH STATISTICS



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

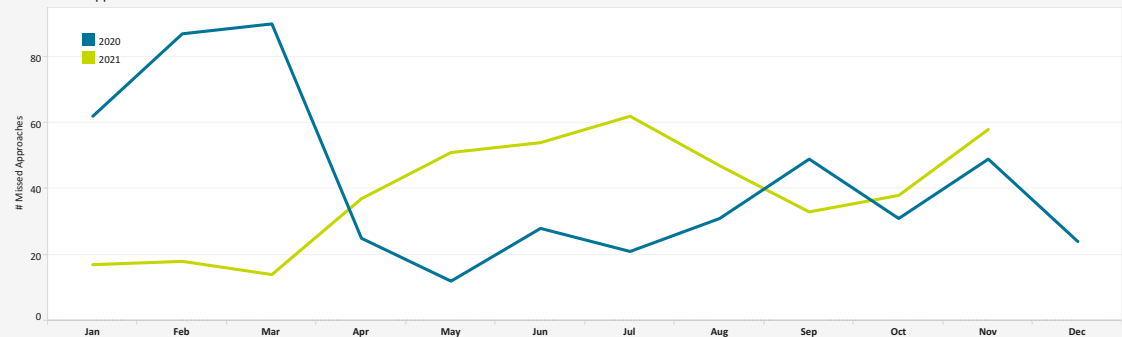


| | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------------------|---------|---------|---------|--------|--------|
| % Total Arrivals with Missed Approach | 0.7% | 0.6% | 0.8% | 0.7% | 0.6% |
| Total Arrivals | 104,725 | 111,618 | 114,193 | 64,576 | 71,900 |
| Total Missed Approaches | 795 | 721 | 895 | 508 | 429 |

Missed Approach Location Statistics

| | Sep | | Oct | | Nov | | | Sep | Oct | Nov |
|-------------------------------------|-----|-------|-----|-------|-----|-------|--------------------------------------|-----|-----|-----|
| | Day | Night | Day | Night | Day | Night | | | | |
| Between Noise Dot #1 - Noise Dot #2 | 0 | 0 | 0 | 0 | 2 | 2 | Between 265°-295° Heading (Standard) | 29 | 24 | 34 |
| Between Noise Dot #2 - JETTI | 17 | 1 | 13 | 2 | 10 | 2 | East of Airport | 0 | 6 | 18 |
| Between JETTI - Noise Dot #3 | 9 | 2 | 9 | 0 | 13 | 3 | Left of 265° | 4 | 6 | 7 |
| Between Noise Dot #3 - Noise Dot #4 | 3 | 0 | 4 | 2 | 5 | 1 | Right of 295° | 0 | 2 | 1 |
| Between Noise Dot #4 - Noise Dot #5 | 1 | 0 | 0 | 0 | 0 | 1 | | | | |

Total Missed Approaches



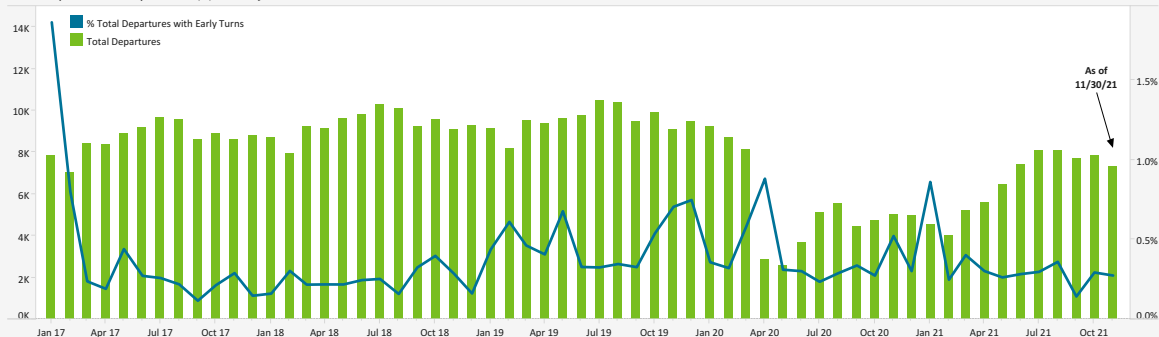
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EARLY TURN STATISTICS



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



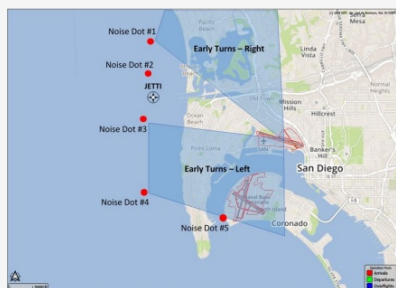
| | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|
| Total Early Turns | 558 | 395 | 741 | 321 | 295 |

Departure Statistics

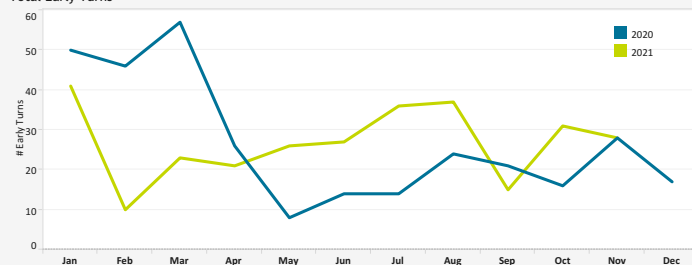
| | Sep | Oct | Nov |
|---|-------|-------|-------|
| Jets Turning Left | 3,854 | 3,975 | 3,683 |
| Between Z2000 and Noise Dots | 509 | 378 | 359 |
| Compliant with Nighttime departure Heading (290°) | 301 | 311 | 233 |
| Not Nighttime Compliant - Over La Jolla | 4 | 10 | 15 |
| Not Nighttime Compliant - Straight Out | 3 | 8 | 3 |
| Not Nighttime Compliant - East | 0 | 0 | 15 |

Cause of Early Turns

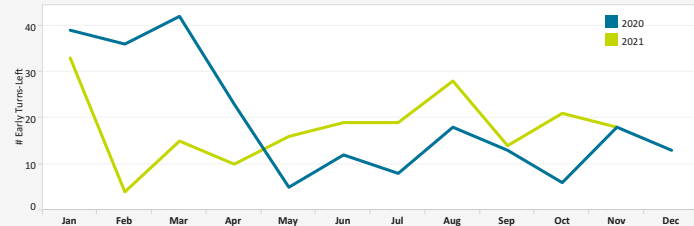
| | Sep | Oct | Nov |
|---------------------------|-----|-----|-----|
| Caused by ATC Vectors | 13 | 24 | 22 |
| Caused by Pilot Deviation | 2 | 2 | 4 |
| Caused by Weather | 0 | 5 | 2 |



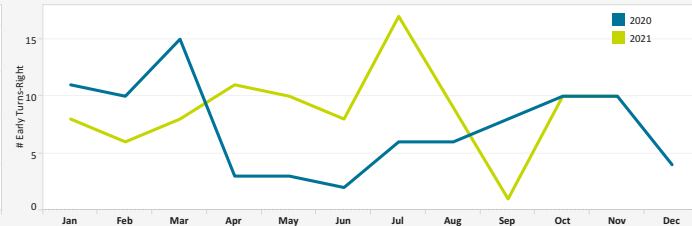
Total Early Turns



Over Point Loma



Over Mission Beach



Early Turns by Operator (November 2021)

| Airline | Left Early Turns | Total Operator Departures | % Departures with Left Early Turns |
|--------------------|------------------|---------------------------|------------------------------------|
| General Aviation | 5 | 2,258 | 0.2% |
| Southwest Airlines | 3 | 3,916 | 0.1% |
| SkyWest Airlines | 3 | 1,375 | 0.2% |
| Delta Air Lines | 3 | 1,155 | 0.3% |
| United Airlines | 2 | 1,395 | 0.1% |
| American Airlines | 2 | 1,297 | 0.2% |

Early Turn by Operator (November 2021)

| Airline | Right Early Turns | Total Operator Departures | % Departures with Right Early Turns |
|--------------------|-------------------|---------------------------|-------------------------------------|
| General Aviation | 7 | 2,258 | 0.3% |
| Southwest Airlines | 1 | 3,916 | 0.0% |
| SkyWest Airlines | 1 | 1,375 | 0.1% |
| Alaska Airlines | 1 | 1,279 | 0.1% |

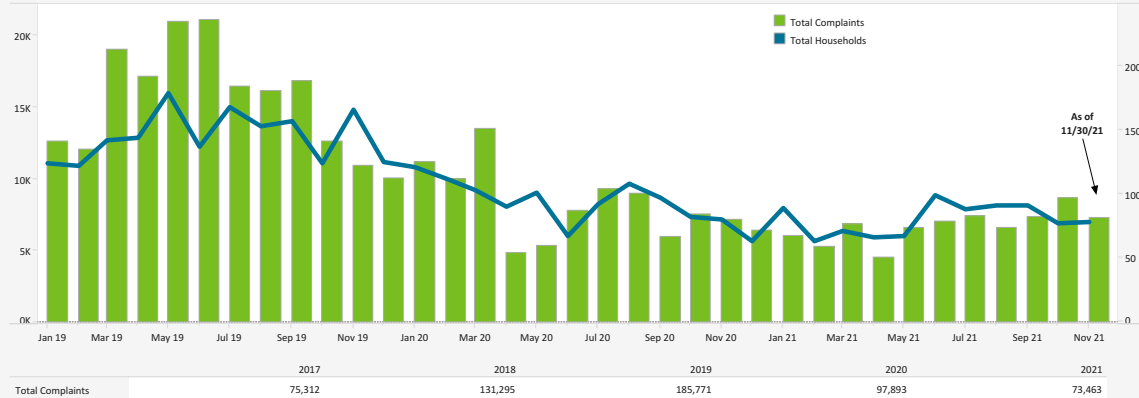
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NOISE COMPLAINT STATISTICS

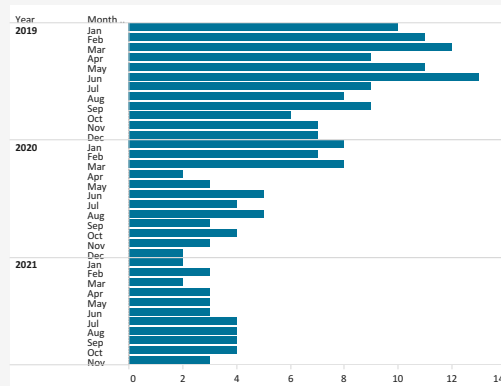


The Authority reports all complaints.

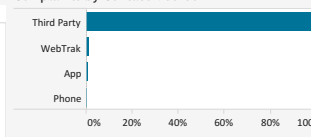
Total Complaints Compared to Total Households



Number of Households with 500+ Complaints per Month



Complaints by Contact Method



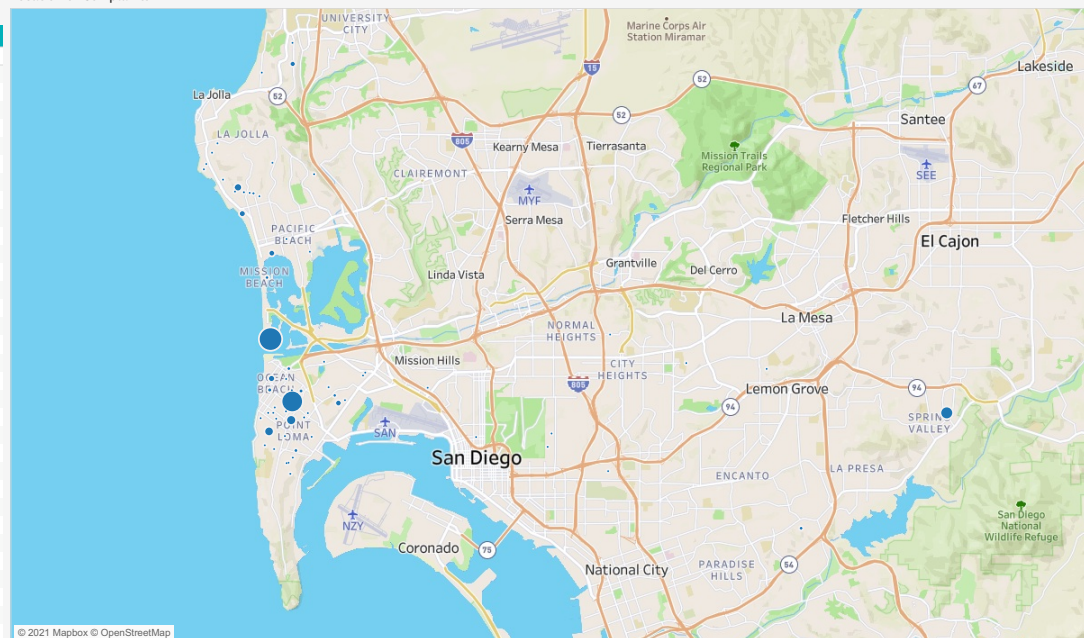
Disturbance Type

| Disturbance Type | # Complaints | % Total |
|----------------------|--------------|---------|
| Too Loud | 7,216 | 99.3% |
| Suspected Off Course | 28 | 0.4% |
| Curfew Violation | 14 | 0.2% |
| Overflight | 6 | 0.1% |
| Too Low | 5 | 0.1% |
| Off Course | 1 | 0.0% |

Number of Complaints by Neighborhood (November 2021)

| Neighborhood | Total Complaints | Total Households |
|-----------------------|------------------|------------------|
| Grand Total | 7,270 | 78 |
| Mission Beach | 2,479 | 5 |
| Point Loma Heights | 2,420 | 12 |
| Spring Valley | 622 | 1 |
| Ocean Beach | 470 | 7 |
| Bird Rock | 327 | 4 |
| Sunset Cliffs | 317 | 4 |
| Loma Portal | 162 | 6 |
| Pacific Beach | 119 | 4 |
| La Jolla Heights | 93 | 2 |
| Roseville-Fleet Ridge | 41 | 3 |
| Bay Terraces | 36 | 1 |
| La Jolla Mesa | 31 | 3 |
| Beach Barber Tract | 21 | 2 |
| Del Mar | 19 | 1 |
| Muirlands | 19 | 1 |
| La Playa | 17 | 2 |
| El Cerrito | 10 | 1 |
| Kensington | 9 | 1 |
| Wooded Area | 9 | 3 |
| La Mesa | 7 | 1 |
| Lower Hermosa | 7 | 2 |
| La Jolla Alta | 6 | 1 |
| Del Mar Heights | 5 | 1 |
| La Jolla Shores | 4 | 1 |
| Mission Hills | 4 | 1 |
| South Park | 4 | 2 |
| Mt. Hope | 3 | 1 |
| Bankers Hill | 2 | 1 |
| Little Italy | 2 | 1 |
| Midway District | 2 | 1 |
| Upper Hermosa | 2 | 1 |
| Hillcrest | 1 | 1 |

Location of Complaints



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