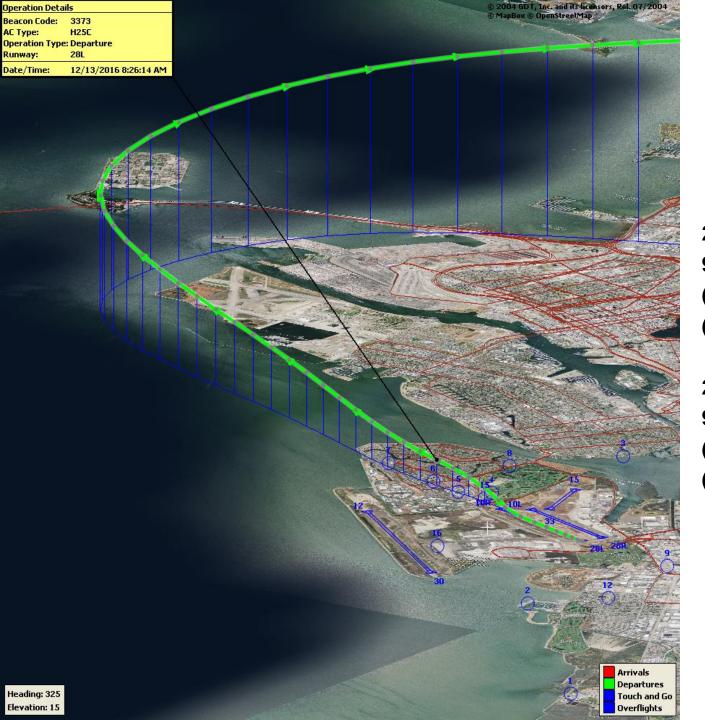


Disclaimer

The Port of Oakland's Airport Noise and Operations Monitoring System (ANOMS) is the source of the data used in this report. Although ANOMS is a very sophisticated computer program that provides a state-of-the-art solution for collecting aircraft noise complaints. The number of aircraft noise complaints in the report are for informational purposes. Airport staff carefully reviews the data for accuracy and will make corrections whenever possible.

Compliance Monitoring Quarterly Summary Comparison Fourth Quarter 2023

	202	2Q4	2023Q4						
	Compl.	N/C	Compl.	N/C					
Runway 28R/L Jet Departure Compliance	93%	7%	93%	7%					
Total Airport-wide Corporate Jet Departures	2,375	175	2,111	154					
Runway 10R/L Jet Landing Compliance	92%	8%	83%	17%					
Total Southeast Plan Corporate Jet Landings	113	10	163	33					
North Field VFR Departure Compliance	89%	11%	92%	8%					
Total Runways 28R/L & 33 Departures	203	24	228	19					
North Field Quiet Hours Compliance	81%	19%	82%	18%					
Total North Field Quiet Hours Departures	128	31	206	46					
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%					
Total Runway 30 Turbojet Departures	17,150	1	15,637	2					
Night Time Departure Compliance	99%	1%	99%	1%					
Total Runway 30 Night Turbojet Departures	3,252	28	3,260	30					
Runway 12 Night Departure Compliance	96%	4%	60%	40%					
Total Runway 12 Night Turbojet Departures	43	2	32	21					
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%					
Total Runway 30 East Turn Departures	4,159	5	3,943	3					
100 Degree Radial Turbojet Landing Compliance	98%	2%	98%	2%					
Total 100 Degree Radial Turbojet Landings	993	22	1,005	19					
Engine Runup Program Compliance	100%	0%	100%	0%					
Total Evening and Nighttime Engine Runups	3	0	14	0					
Note: N/C means non-compliant. Percentage	Note: N/C means non-compliant. Percentage values are rounded out.								

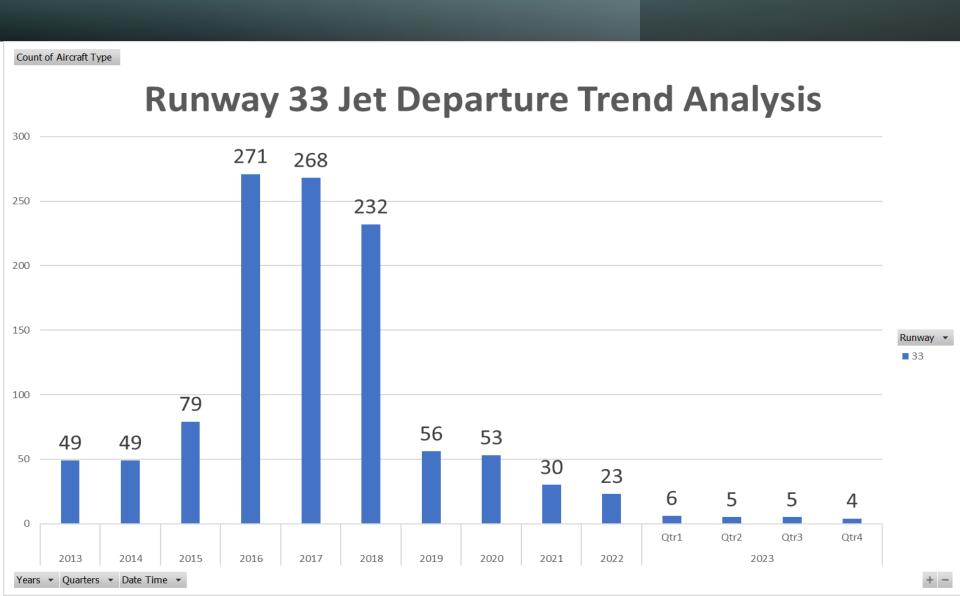


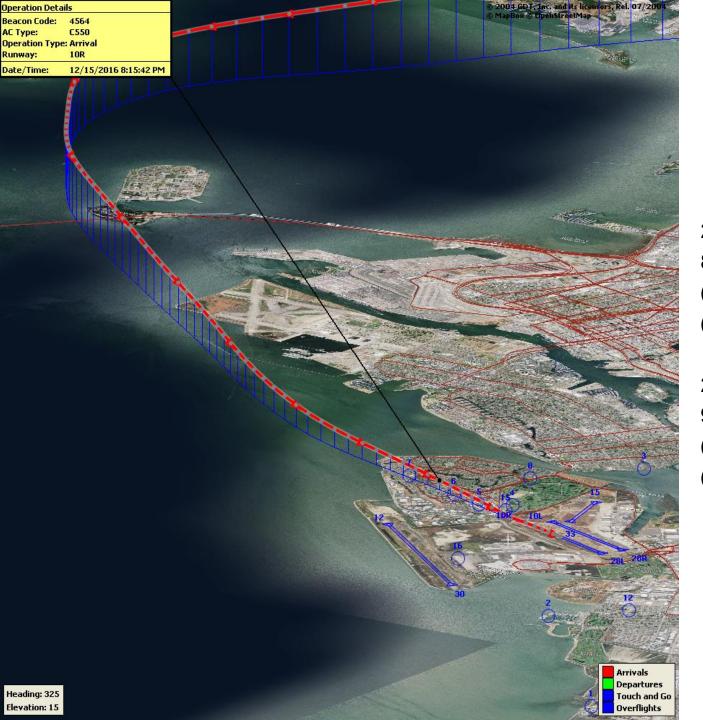
Runway 28R/L Jet Departure NAP

2023Q4 93% Compliance (2,265 total departures) (154 non-compliant)

2022Q4 93% Compliance (2,550 total departures) (175 non-compliant)

RUNWAY 33 JET DEPARTURES FOURTH Quarter 2023

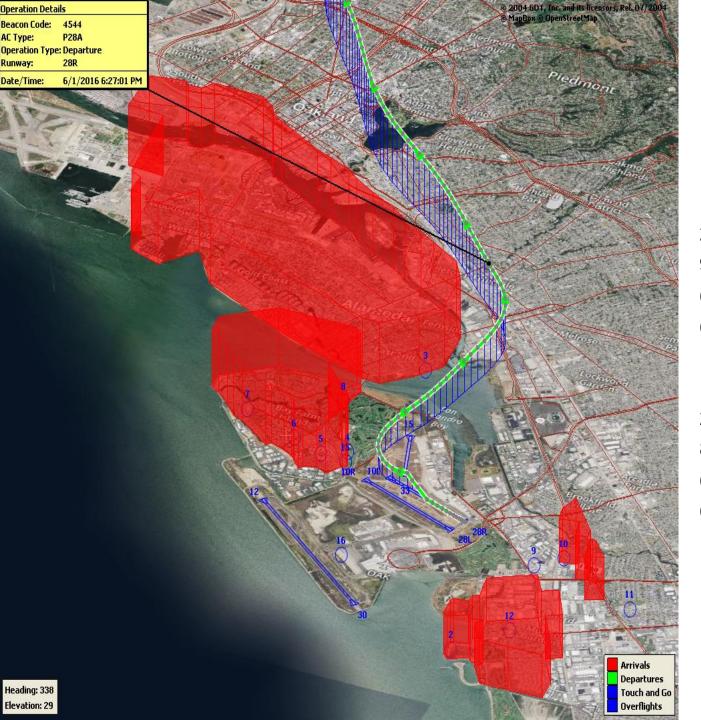




Runway 10R/L Jet Landing NAP

2023Q4 83% Compliance (196 total landings) (33 non-compliant)

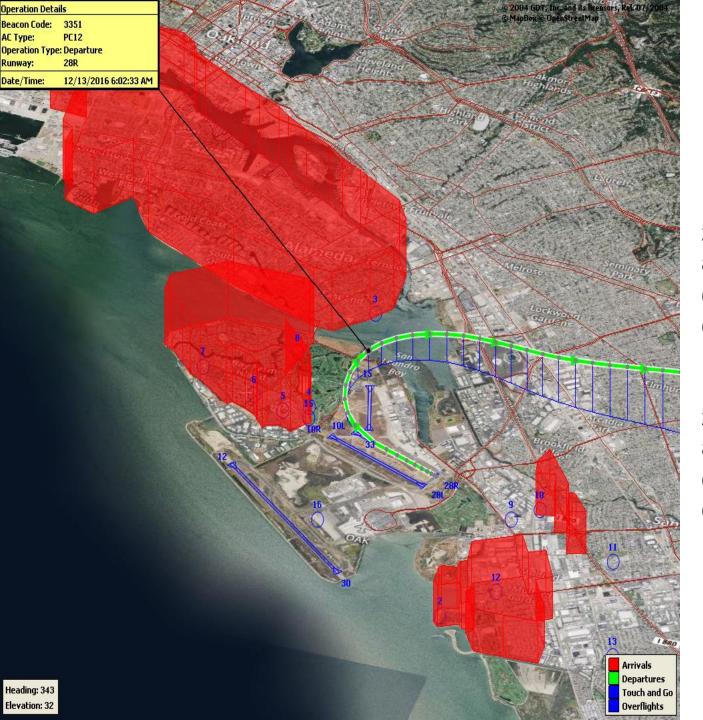
2022Q4 92% Compliance (123 total landings) (10 non-compliant)



VFR Aircraft Departure NAP

2023Q4
92% Compliance
(247 total departures)
(19 non-compliant)

2022Q4 89% Compliance (227 total departures) (24 non-compliant)

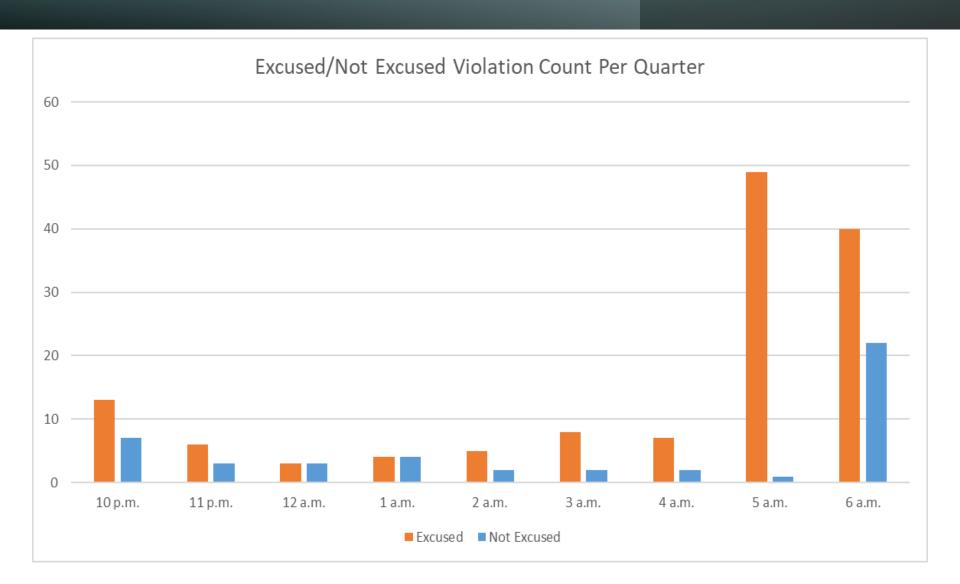


North Field Quiet Hours NAP

2023Q4 82% Compliance (252 total departures) (46 non-compliant)

2022Q4 81% Compliance (159 total departures) (31 non-compliant)

Quartely North Field Quiet Hours NAP Non-Compliant Per Quarter



© 2004 GDT, Inc. and its licensors, Rel. 07/2004 © MapBox © OpenStreetMap Operation Details Beacon Code: B737 AC Type: Operation Type: Departure Runway: 8/22/2017 10:16:59 PM Date/Time: Arrivals Departures Heading: 349 Touch and Go Elevation: 59 Overflights

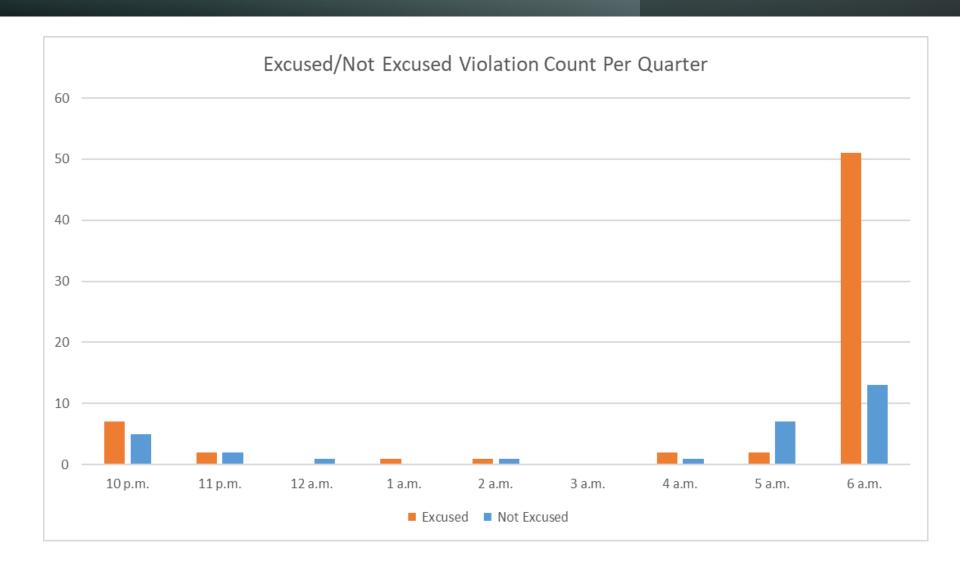
Night Time Departure NAP

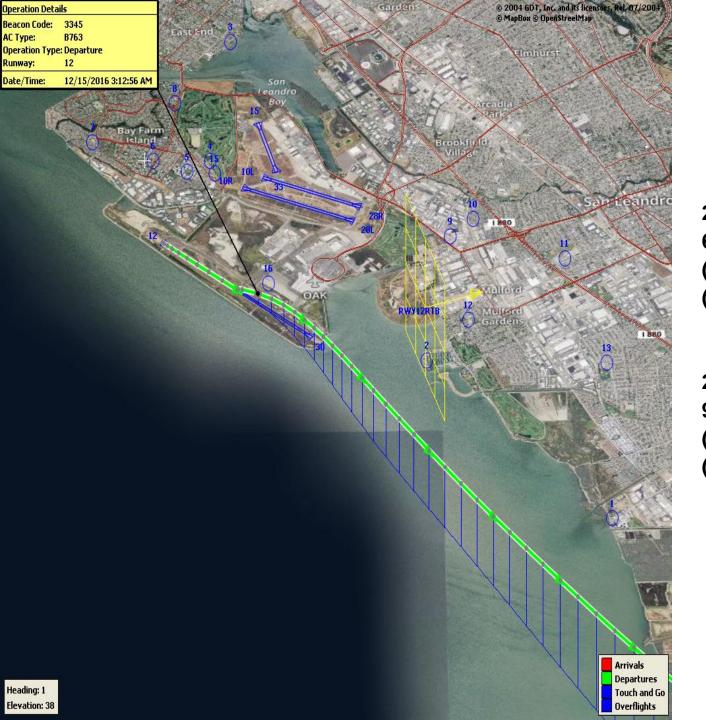
2023Q4 99% Compliance (3,290 total departures) (30 non-compliant)

*REBAS Gate non-compliant = 29

2022Q4 99% Compliance (3,280 total departures) (28 non-compliant)

Quarterly Night Time NAP Non-Compliant Count Per Quarter



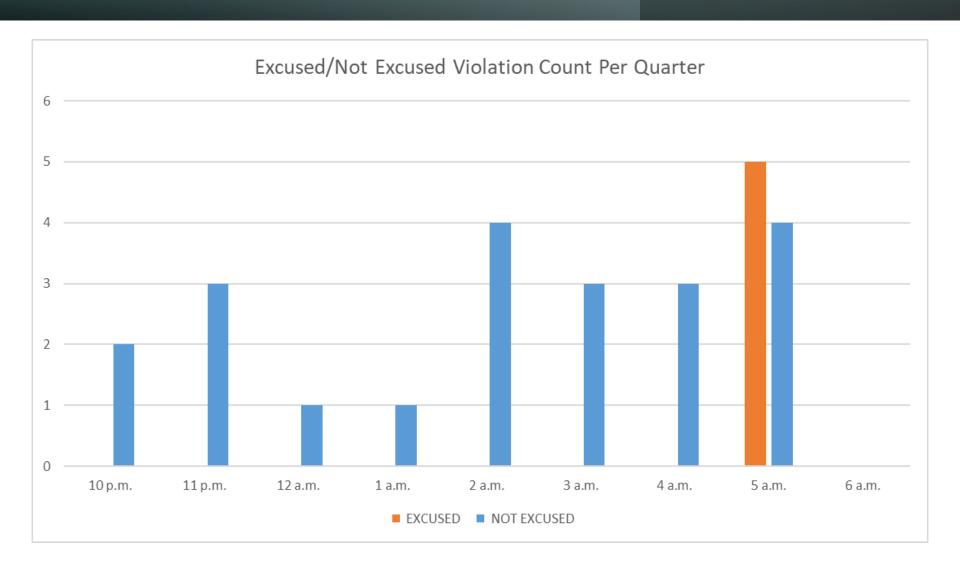


Runway 12 Night Departure NAP

2023Q4 60% Compliance (53 total departures) (21 non-compliant)

2022Q4 96% Compliance (45 total departures) (2 non-compliant)

Quartely Runway 12 Night Departure Non-Compliant Count Per Quarter





Runway 30 Bay Farm Right Turn NAP

2023Q4 100% Compliance (15,639 total departures) (2 non-compliant)

2022Q4 100% Compliance (17,151 total departures) (1 non-compliant)

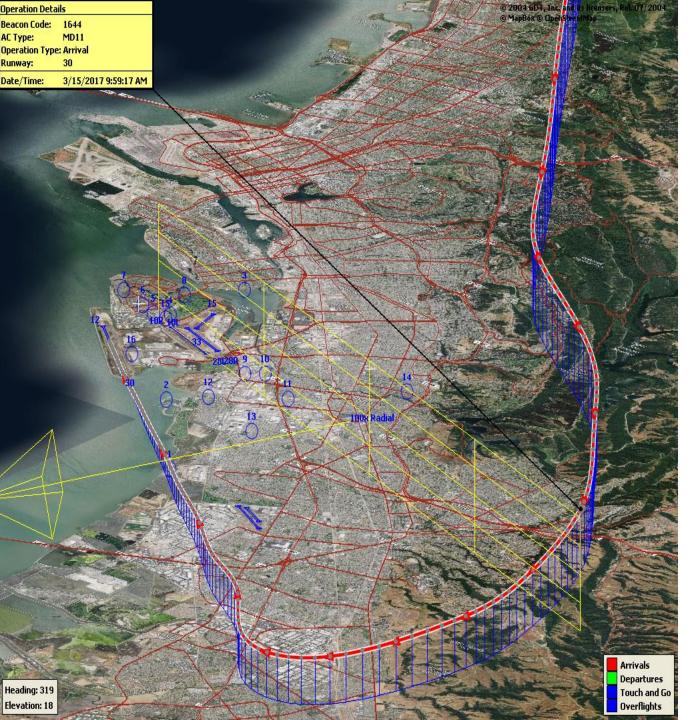


Runway 30 East Turn NAP

2023Q4 100% Compliance (3,946 total departures) (3 non-compliant)

*Excused Departures = 29

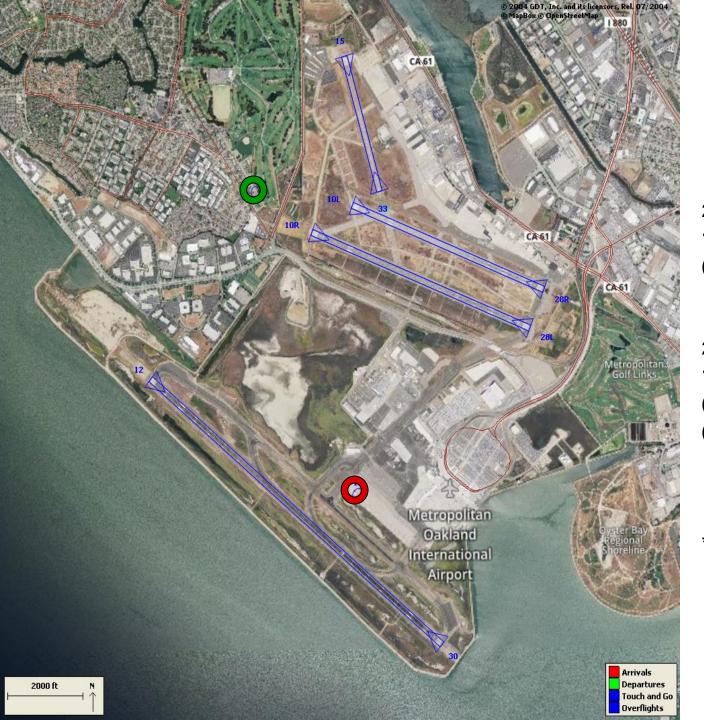
2022Q4 100% Compliance (4,164 total departures) (5 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2023Q4 98% Compliance (1,024 total landings) (19 non-compliant)

2022Q4 98% Compliance (1,015 total landings) (22 non-compliant)



Engine Run-up NAP

2023Q4 100% Compliance (14 engine run-ups)* (0 non-compliant)

2022Q4 100% Compliance (3 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

Compliance Monitoring Quarterly Summary Comparison Fourth Quarter 2023 - Quarter-to-Quarter

	2023	3Q3	2023Q4					
	Compl.	NC	Compl.	NC				
Runway 28R/L Jet Departure Compliance	94%	6%	93%	7%				
Total Airport-wide Corporate Jet Departures	2,009	128	2,111	154				
Runway 10R/L Jet Landing Compliance	96%	4%	83%	17%				
Total Southeast Plan Corporate Jet Landings	26	1	163	33				
North Field VFR Departure Compliance	95%	5%	92%	8%				
Total Runways 28R/L & 33 Departures	242	14	228	19				
North Field Quiet Hours Compliance	87%	13%	82%	18%				
Total North Field Quiet Hours Departures	184	28	206	46				
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%				
Total Runway 30 Turbojet Departures	16,391	2	15,637	2				
Night Time Departure Compliance	99%	1%	99%	1%				
Total Runway 30 Night Turbojet Departures	3,346	29	3,260	30				
Runway 12 Night Departure Compliance	100%	0%	60%	40%				
Total Runway 12 Night Turbojet Departures	15	0	32	21				
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%				
Total Runway 30 East Turn Departures	4,166	3	3,943	3				
100 Degree Radial Turbojet Landing Compliance	99%	1%	98%	2%				
Total 100 Degree Radial Turbojet Landings	932	14	1,005	19				
Engine Runup Program Compliance	82%	18%	100%	0%				
Total Evening and Nighttime Engine Runups	11	2	14	0				
Note: N/C means non-compliant. Percentage values are rounded out.								

Table 1. North Field Night Aircraft Departure SEL Noise Measurements

Total Aircraft Departures = 252

Fourth Quarter 2023 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise	Aircraft Noise Events SEL 80 - 84.9 dBA			A	Aircraft Noise Events SEL 85 - 89.9 dBA			Aircraft Noise Events SEL ≥ 90 dBA		
Number	SEL 80 dBA	Amount	Nightly Average	As Percentage of Departures	Amount	ount Nightly As Percentage Average of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events	
1	1	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	1
2	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
3	51	5	0.1	0.9%	0	0.0	0.0%	0	0.0	0.0%	56
4	68	55	0.6	9.7%	51	0.6	9.0%	60	0.7	10.6%	234
5	69	21	0.2	3.7%	23	0.3	4.1%	76	0.8	13.4%	189
6	53	13	0.1	2.3%	32	0.4	5.6%	57	0.6	10.1%	155
7	19	26	0.3	4.6%	55	0.6	9.7%	12	0.1	2.1%	112
8	61	31	0.3	5.5%	2	0.0	0.4%	0	0.0	0.0%	94
9	16	15	0.2	2.6%	5	0.1	0.9%	0	0.0	0.0%	36
10	109	35	0.4	6.2%	1	0.0	0.2%	0	0.0	0.0%	145
11	8	2	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	10
12	16	5	0.1	0.9%	2	0.0	0.4%	0	0.0	0.0%	23
13	7	2	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	9
14	41	2	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	43
All NMTs	519	212	2	0	171	2	0	205	2	0	1107

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 223

Fourth Quarter 2023 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise	3EL 80 - 84.9 UBA		Aircraft Noise Events SEL 85 - 89.9 dBA			Aircraft Noise Events SEL ≥ 90 dBA			Total Aircraft	
Number	SEL 80 dBA	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events
3	51	5	0.1	2.1%	0	0.0	0.0%	0	0.0	0.0%	56
4	68	55	0.6	23.0%	51	0.6	21.3%	60	0.7	25.1%	234
5	69	21	0.2	8.8%	23	0.3	9.6%	76	0.8	31.8%	189
6	53	13	0.1	5.4%	32	0.4	13.4%	57	0.6	23.8%	155
7	19	26	0.3	10.9%	55	0.6	23.0%	12	0.1	5.0%	112
8	61	31	0.3	13.0%	2	0.0	0.8%	0	0.0	0.0%	94
Total	321	151	1.7		163	1.8		205	2.3		840

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 29

Fourth Quarter 2023 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise Events SEL 80 - 84.9 dBA			Aircraft Noise Events SEL 85 - 89.9 dBA			A	Total Aircraft			
Number	SEL 80 dBA	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events
2	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
9	16	15	0.2	4.6%	5	0.1	1.5%	0	0.0	0.0%	36
10	109	35	0.4	10.7%	1	0.0	0.3%	0	0.0	0.0%	145
11	8	2	0.0	0.6%	0	0.0	0.0%	0	0.0	0.0%	10
12	16	5	0.1	1.5%	2	0.0	0.6%	0	0.0	0.0%	23
13	7	2	0.0	0.6%	0	0.0	0.0%	0	0.0	0.0%	9
14	41	2	0.0	0.6%	0	0.0	0.0%	0	0.0	0.0%	43
Total	197	61	0.7		8	0.1		0	0.0		266

The Rolling Take-Off Night Procedure Report (1:00 to 5:00 AM) is dependent on back-blast data collected by the noise monitor deployed at the San Leandro Marina (NMT #2). Due to construction work at the San Leandro Marina, the noise monitor had to be removed on <u>April 20, 2023</u>. The monitor will be redeployed once works are complete. This report cannot be created.

Rolling Take-off Night Departure Procedure (1:00 to 5:00 AM) Fourth Quarter 2022, NMT 2

			•						
	Aird Depai	raft tures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)			
		Basel	line (November 200	02) [A]					
DC10/MD10		87	32	69	78	22			
MD11		32	13	70	79	24			
A306		67	21	67	77	25			
	Fourth Quarter 2022 [B]								
	Total [X]	Est. Avg. Monthly [X/3]							
B763	221	74	77	65	75	18			
DC10/MD10	1	0	-	-	1	-			
MD11	252	84	188	67	76	19			
A306	36	12	19	66	75	15			
B757	168	56	76	66	75	17			
B77L	115	38	29	65	73	14			
Difference [A-B]									
DC10/MD10		-87	-32	-69	-78	-22			
MD11		52	175	-3	-3	-5			
A306		-55	-2	-1	-2	-10			

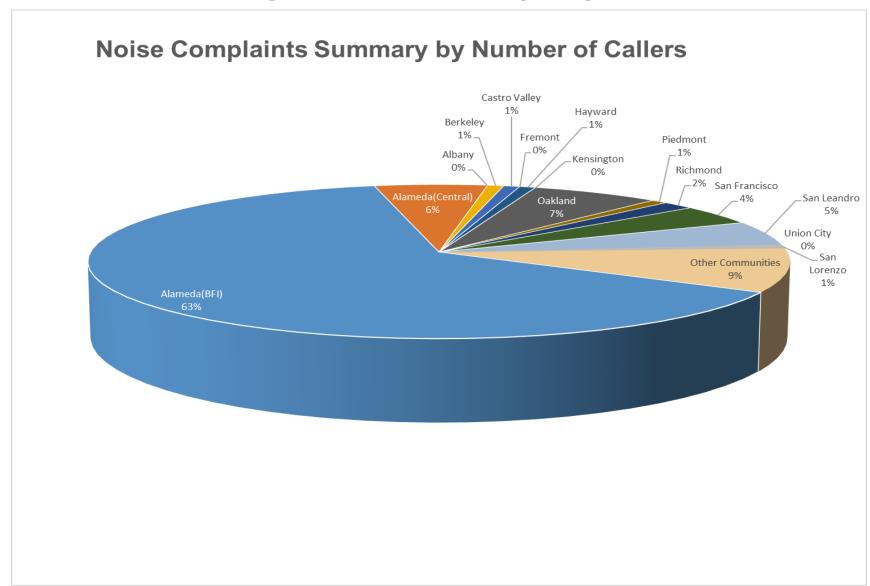
⁽a) For the current calendar quarter reported, ANOMS does not correlate all departures to their respective noise events; that is most, but not all, aircraft back-blast noise events are effectively correlated as the program software algorithms may misidentify an aircraft noise event.

Source: ANOMS (Airport Noise and Operations Monitoring System)

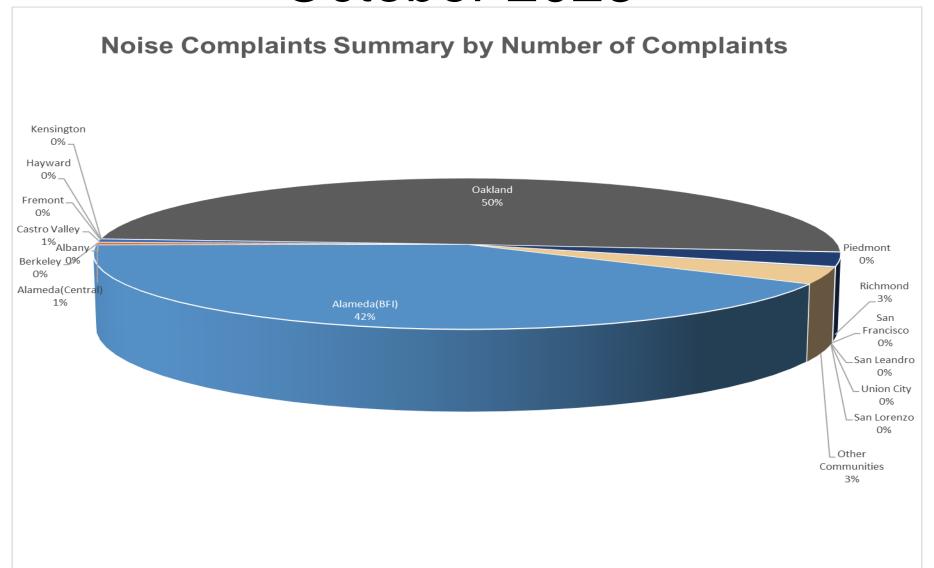
Oakland International Airport Noise Complaint Summary October 2023

October 2023						
Community	Callers	Complaints				
Alameda(BFI)	76	1846				
Alameda(Central)	7	25				
Albany	0	0				
Berkeley	1	1				
Castro Valley	1	31				
Fremont	0	0				
Hayw ard	1	2				
Kensington	0	0				
Oakland	8	2236				
Piedmont	1	4				
Richmond	2	132				
San Francisco	5	6				
San Leandro	6	6				
Union City	0	0				
San Lorenzo	1	1				
Other Communities	11	152				
Total	120	4442				
Со	mplaints by Type					
E-mail	2	378				
View point App		064				
	laints by Time of Day					
Day (0700 - 1900)	Ç	947				
Evening (1900 - 2200)	4	146				
Night (2200 - 0700)	-	049				
Complain	ts by Type of Operation					
Arrivals		219				
Departures		008				
Over-flights		138				
Touch & Go		77				
Not Linked to an Operation		0				
	ints by Type of Aircraft	\.				
Business Jet		347				
Helicopter	102					
Jet • ***	3563					
Military	0					
Not Reported (not linked to an aircraft)						
Other (Type information not available)	37					
Propeller		209				
Turbo-prop	184					

Number of Callers October 2023



Number of Complaints October 2023

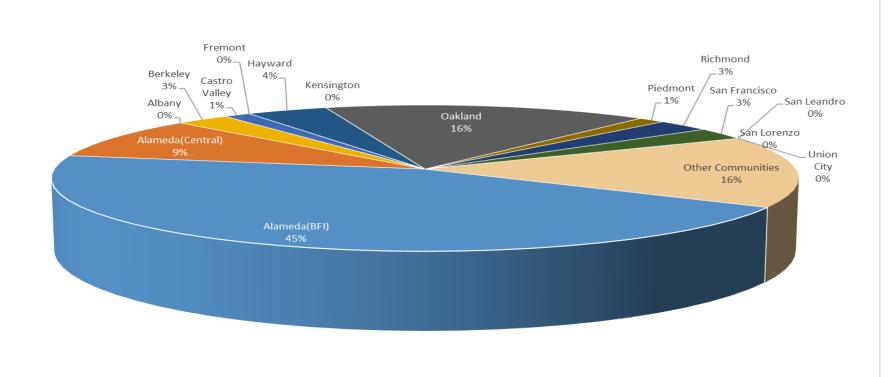


Oakland International Airport Noise Complaint Summary November 2023

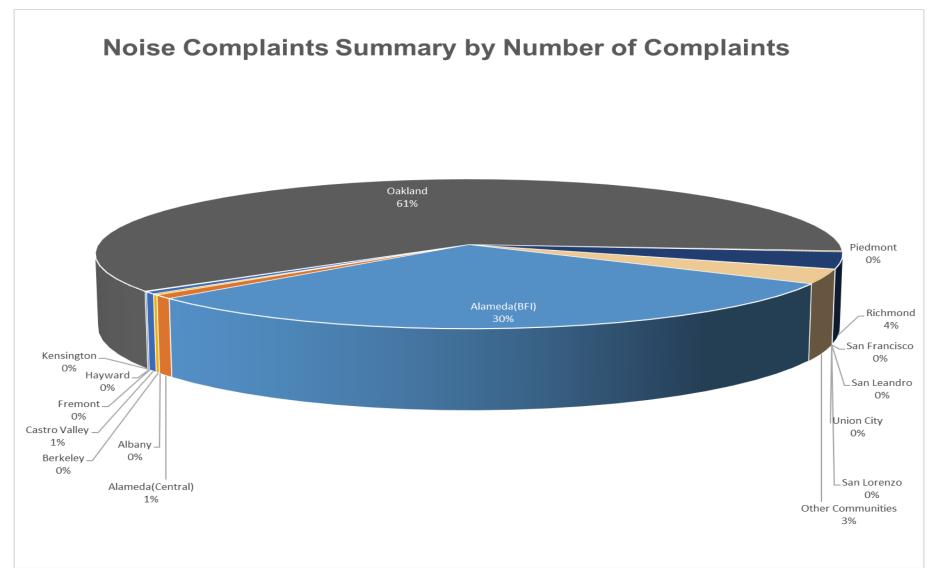
November 2023						
Community	Callers	Complaints				
Alameda(BFI)	34	1350				
Alameda(Central)	7	38				
Albany	0	0				
Berkeley	2	11				
Castro Valley	1	24				
Fremont	0	0				
Hayw ard	3	5				
Kensington	0	0				
Oakland	12	2763				
Piedmont	1	10				
Richmond	2	163				
San Francisco	2	3				
San Leandro	0	0				
Union City	0	0				
San Lorenzo	0	0				
Other Communities	12	140				
Total	76	4507				
Co	mplaints by Type					
E-mail	2	831				
View point App	1	676				
Comp	laints by Time of Day					
Day (0700 - 1900)	1	110				
Evening (1900 - 2200)	Ę	566				
Night (2200 - 0700)		831				
Com plain	its by Type of Operation					
Arrivals	2557					
Departures		811				
Over-flights		111				
Touch & Go		28				
Not Linked to an Operation		0				
Compla	ints by Type of Aircraft					
Business Jet	203					
Helicopter	160					
Jet	3928					
Military	0					
Not Reported (not linked to an aircraft)						
Other (Type information not available)						
Propeller		87				
Turbo-prop	111					

Number of Callers November 2023

Noise Complaints Summary by Number of Callers



Number of Complaints November 2023

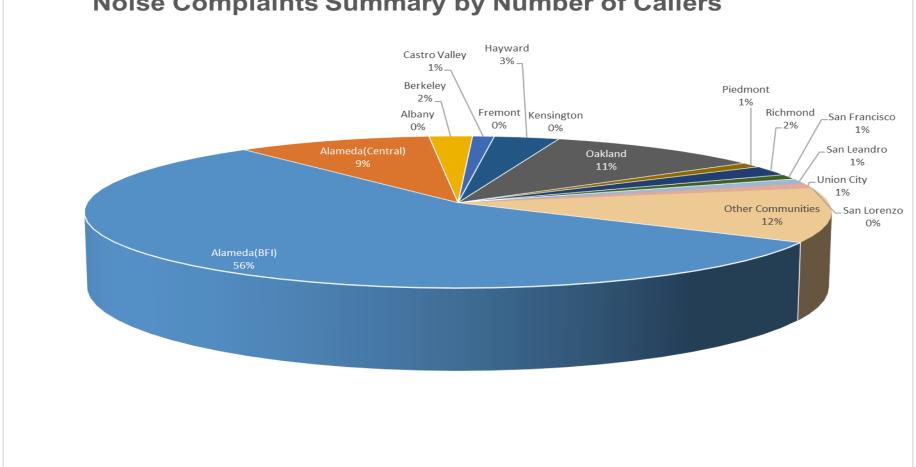


Oakland International Airport Noise Complaint Summary December 2023

December 2023						
Community	Callers	Complaints				
Alameda(BFI)	53	1223				
Alameda(Central)	9	63				
Albany	0	0				
Berkeley	2	124				
Castro Valley	1	62				
Fremont	0	0				
Hayw ard	3	5				
Kensington	0	0				
Oakland	10	2511				
Piedmont	1	16				
Richmond	2	237				
San Francisco	1	2				
San Leandro	1	1				
Union City	1	1				
San Lorenzo	0	0				
Other Communities	11	41				
Total	95	4286				
Co	mplaints by Type					
E-mail	2	2692				
View point App		1593				
-	laints by Time of Day					
Day (0700 - 1900)		755				
Evening (1900 - 2200)	,	415				
Night (2200 - 0700)		3116				
Com plain	nts by Type of Operation					
Arrivals	2580					
Departures	1641					
Over-flights		30				
Touch & Go		35				
Not Linked to an Operation		0				
	ints by Type of Aircraft					
Business Jet		189				
Helicopter	36					
Jet	3	3900				
Military	0					
Not Reported (not linked to an aircraft)	0					
Other (Type information not available)	5					
Propeller		78				
Turbo-prop		78				

Number of Callers December 2023

Noise Complaints Summary by Number of Callers



Number of Complaints December 2023

