

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 Second Quarter 2022

	2021Q2		2022Q2	
	Compl.	N/C	Compl.	N/C
Runway 28R/L Jet Departure Compliance	95%	5%	93%	7%
Total Airport-wide Corporate Jet Departures	2,610	146	2,442	172
Runway 10R/L Jet Landing Compliance	100%	0%	86%	14%
Total Southeast Plan Corporate Jet Landings	2	0	30	5
North Field VFR Departure Compliance	96%	4%	86%	14%
Total Runways 28R/L & 33 Departures	278	11	258	41
North Field Quiet Hours Compliance	89%	11%	72%	28%
Total North Field Quiet Hours Departures	164	20	114	44
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 Turbojet Departures	14,590	0	17,737	3
Night Time Departure Compliance	99%	1%	99%	1%
Total Runway 30 Night Turbojet Departures	2,676	21	3,422	32
Runway 12 Night Departure Compliance	0%	0%	98%	2%
Total Runway 12 Night Turbojet Departures	0	0	49	1
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 East Turn Departures	4,449	17	4,109	5
100 Degree Radial Turbojet Landing Compliance	98%	2%	99%	1%
Total 100 Degree Radial Turbojet Landings	723	12	1,138	12
Engine Runup Program Compliance	100%	0%	100%	0%
Total Evening and Nighttime Engine Runups	4	0	6	0
Note: N/C means non-compliant. Percentage v	alues are r	ounded out	t.	



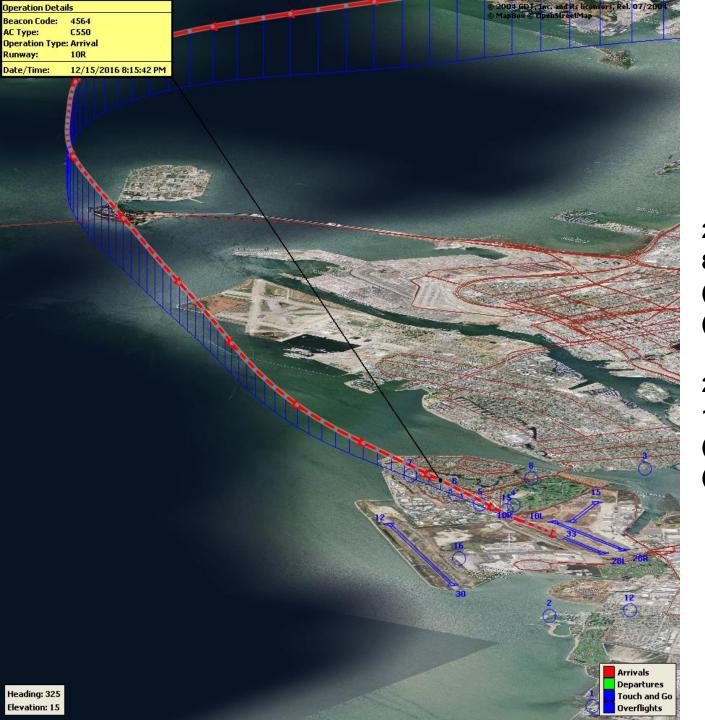
Runway 28R/L Jet Departure NAP

2022Q2 93% Compliance (2,614 total departures) (172 non-compliant)

2021Q2 95% Compliance (2,756 total departures) (146 non-compliant)

RUNWAY 33 JET DEPARTURES SECOND Quarter 2022

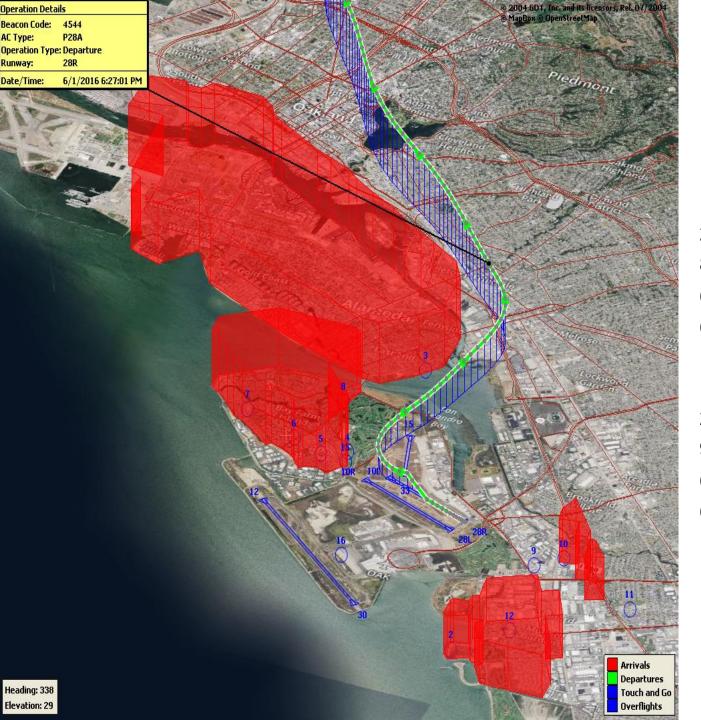




Runway 10R/L Jet Landing NAP

2022Q2 86% Compliance (35 total landings) (5 non-compliant)

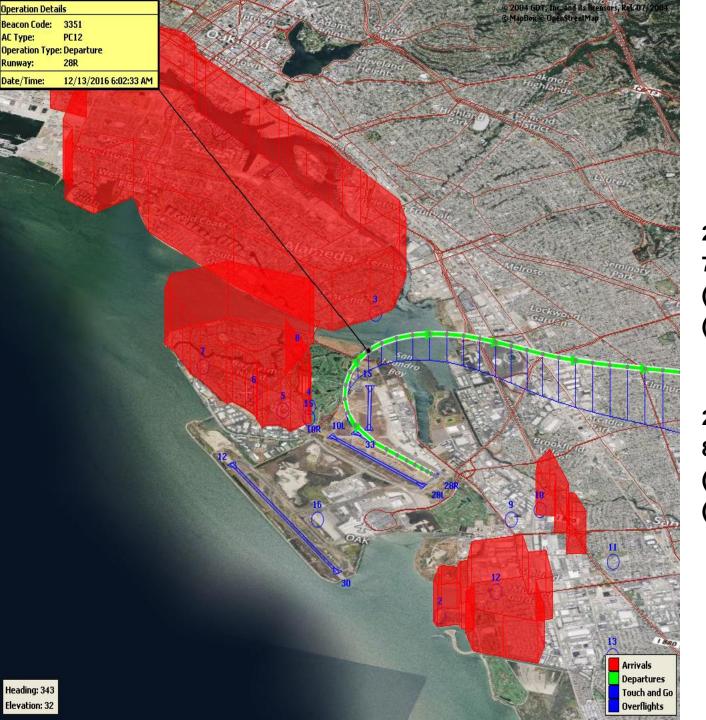
2021Q2 100% Compliance (2 total landings) (0 non-compliant)



VFR Aircraft Departure NAP

2022Q2 86% Compliance (299 total departures) (41 non-compliant)

2021Q2 96% Compliance (289 total departures) (11 non-compliant)

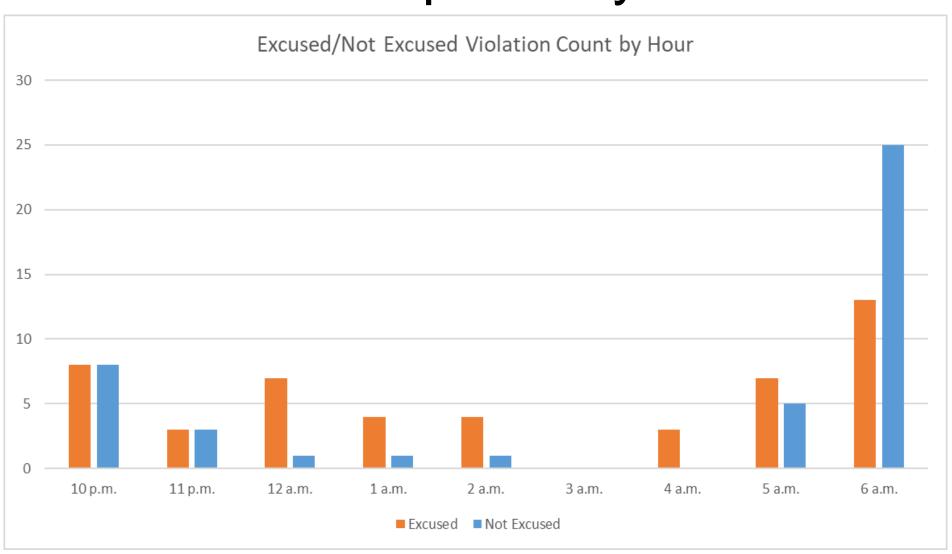


North Field Quiet Hours NAP

2022Q2
72% Compliance
(158 total departures)
(44 non-compliant)

2021Q2 89% Compliance (184 total departures) (20 non-compliant)

North Field Quiet Hours NAP Non-Compliant by Hour



© 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

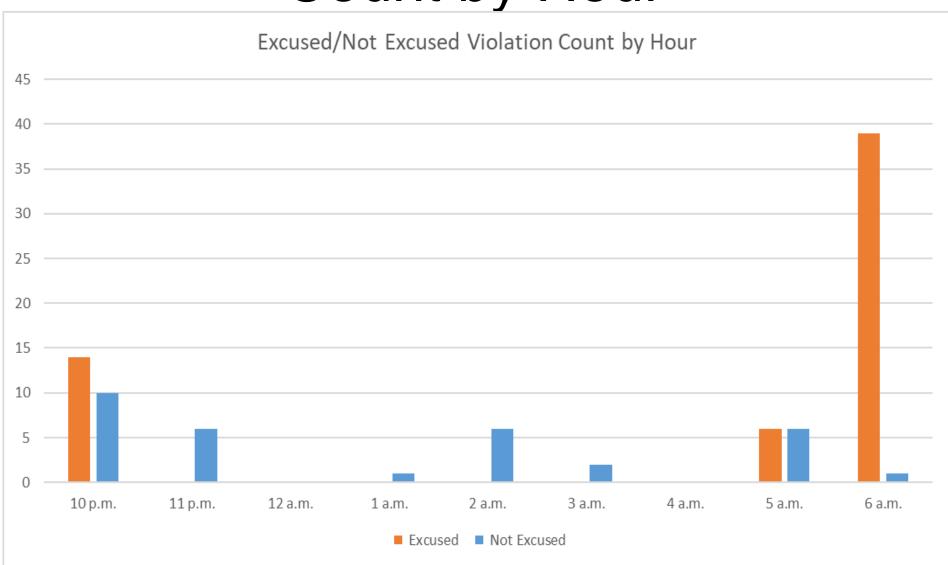
Night Time Departure NAP

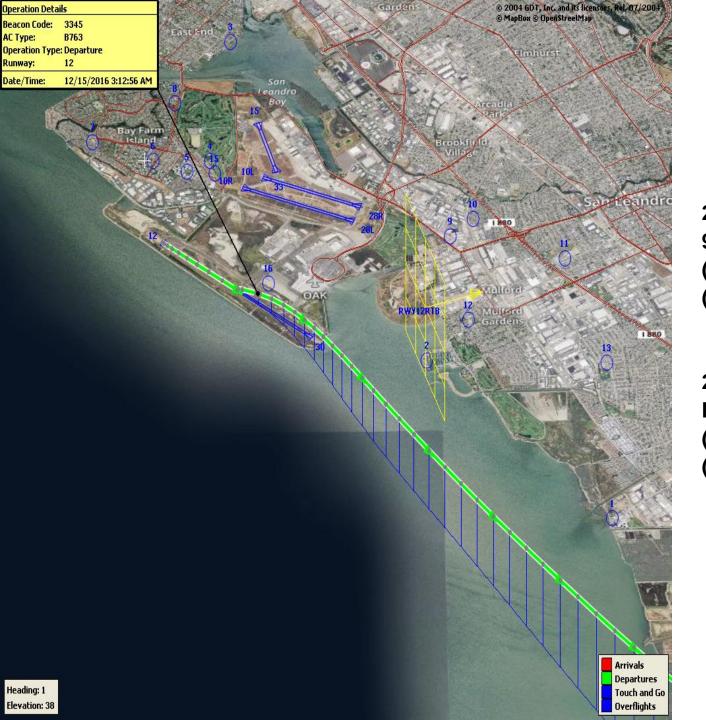
2022Q2 99% Compliance (3,454 total departures) (32 non-compliant)

*REBAS Gate non-compliant = 30

2021Q2 99% Compliance (2,697 total departures) (21 non-compliant)

Night Time NAP Non-Compliant Count by Hour





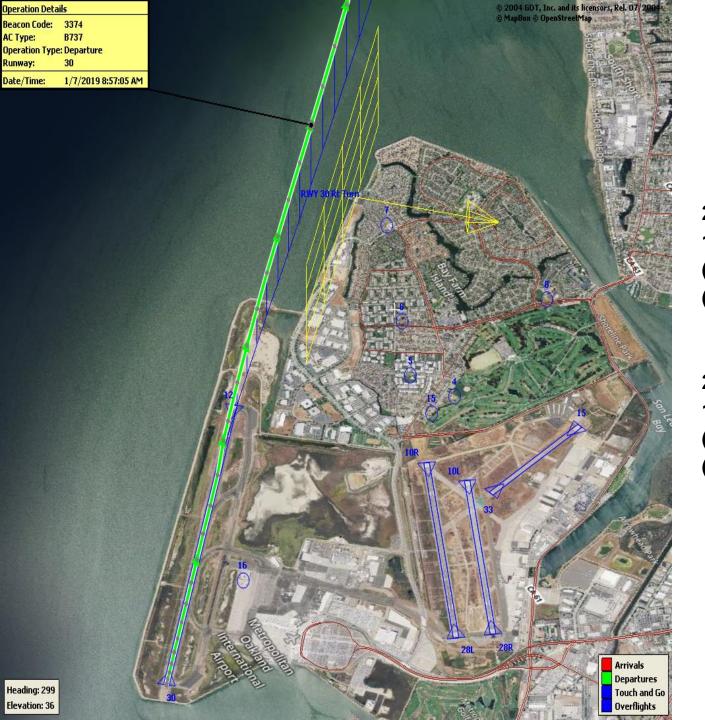
Runway 12 Night Departure NAP

2022Q2 98% Compliance (50 total departures) (1 non-compliant)

2021Q2 N/A Compliance (0 total departures) (0 non-compliant)

Runway 12 Night Departure Non-Compliant Count by Hour





Runway 30 Bay Farm Right Turn NAP

2022Q2 100% Compliance (17,740 total departures) (3 non-compliant)

2021Q2 100% Compliance (14,590 total departures) (0 non-compliant)

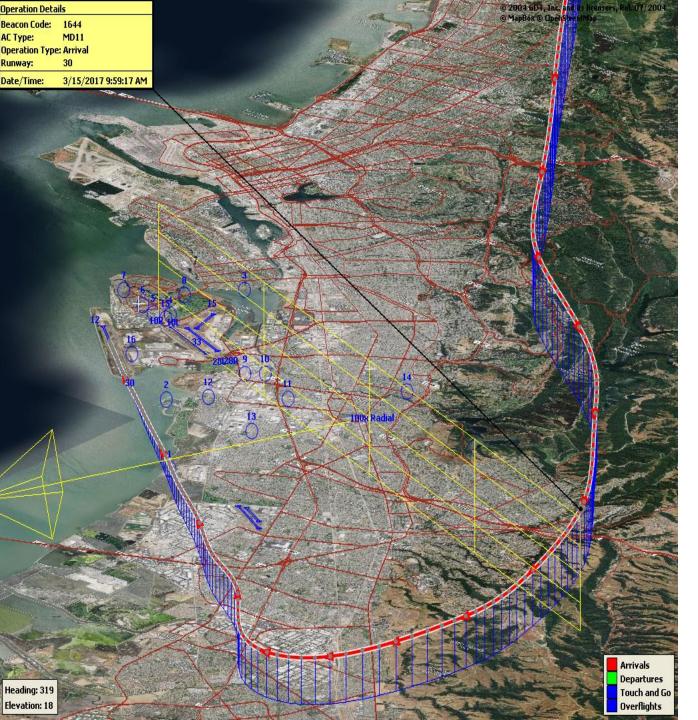


Runway 30 East Turn NAP

2022Q2 100% Compliance (4,114 total departures) (5 non-compliant)

*Excused Departures = 10

2021Q2 100% Compliance (4,466 total departures) (17 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2022Q2 99% Compliance (1,150 total landings) (12 non-compliant)

2021Q2 98% Compliance (735 total landings) (12 non-compliant)

2004 GDT, Inc. and its licensors, Rel. 07/2004 МарВок © OpenStreetMap Metropolitan Oakland International Airport Arrivals Departures 2000 ft Touch and Go Overflights

Engine Run-up NAP

2022Q2 100% Compliance (6 engine run-ups)* (0 non-compliant)

2021Q2 100% Compliance (4 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

Compliance Monitoring Quarterly Summary Comparison Second Quarter 2022 - Quarter-to-Quarter

	2022Q1		2022Q2	
	Compl.	NC	Compl.	NC
Runway 28R/L Jet Departure Compliance	93%	7%	93%	7%
Total Airport-wide Corporate Jet Departures	2,454	175	2,442	172
Runway 10R/L Jet Landing Compliance	85%	15%	86%	14%
Total Southeast Plan Corporate Jet Landings	92	16	30	5
North Field VFR Departure Compliance	91%	9%	86%	14%
Total Runways 28R/L & 33 Departures	224	21	258	41
North Field Quiet Hours Compliance	76%	24%	72%	28%
Total North Field Quiet Hours Departures	103	33	114	44
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 Turbojet Departures	15,423	7	17,737	3
Night Time Departure Compliance	100%	0%	99%	1%
Total Runway 30 Night Turbojet Departures	2,431	12	3,422	32
Runway 12 Night Departure Compliance	100%	0%	98%	2%
Total Runway 12 Night Turbojet Departures	55	0	49	1
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 East Turn Departures	3,757	0	4,109	5
100 Degree Radial Turbojet Landing Compliance	99%	0%	99%	1%
Total 100 Degree Radial Turbojet Landings	817	6	1,138	12
Engine Runup Program Compliance	100%	0%	100%	0%
Total Evening and Nighttime Engine Runups	5	0	6	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 = 158

Second Quarter 2022 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise	Aircraft Noise Events SEL 80 - 84.9 dBA		Aircraft Noise Events SEL 85 - 89.9 dBA		Aircraft Noise Events SEL ≥ 90 dBA			Total Aircraft		
Number	Events Below 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
1	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
2	13	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	13
3	49	8	0.1	1.4%	6	0.1	1.1%	0	0.0	0.0%	63
4	52	68	0.8	12.0%	35	0.4	6.2%	12	0.1	2.1%	167
5	83	30	0.3	5.3%	19	0.2	3.4%	12	0.1	2.1%	144
6	81	19	0.2	3.4%	13	0.1	2.3%	9	0.1	1.6%	122
7	25	13	0.1	2.3%	9	0.1	1.6%	3	0.0	0.5%	50
8	55	18	0.2	3.2%	1	0.0	0.2%	0	0.0	0.0%	74
9	4	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	4
10	35	2	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	37
11	0	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	1
12	4	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	4
13	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
14	28	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	28
All NMTs	429	159	2	0	83	1	0	36	0	0	707

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 156

Second Quarter 2022 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise	Aircraft Noise Events SEL 80 - 84.9 dBA		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	49	8	0.1	3.3%	6	0.1	2.5%	0	0.0	0.0%	63
4	52	68	0.8	28.5%	35	0.4	14.6%	12	0.1	5.0%	167
5	83	30	0.3	12.6%	19	0.2	7.9%	12	0.1	5.0%	144
6	81	19	0.2	7.9%	13	0.1	5.4%	9	0.1	3.8%	122
7	25	13	0.1	5.4%	9	0.1	3.8%	3	0.0	1.3%	50
8	55	18	0.2	7.5%	1	0.0	0.4%	0	0.0	0.0%	74
Total	345	156	1.7		83	0.9		36	0.4		620

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 2

Second Quarter 2022 (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			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	13	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	13
9	4	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	4
10	35	2	0.0	0.6%	0	0.0	0.0%	0	0.0	0.0%	37
11	0	1	0.0	0.3%	0	0.0	0.0%	0	0.0	0.0%	1
12	4	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	4
13	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
14	28	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	28
Total	84	3	0.0		0	0.0		0	0.0		87

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

	Aird Depai	eraft rtures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)	
		Basel	ine (November 200	2) [A]			
DC10/MD10		87	32	69	78	22	
MD11		32	13	70	79	24	
A306		67	21	67	77	25	
		Se	cond Quarter 2022	[B]			
	Total [X]	Est. Avg. Monthly [X/3]					
B763	283	94	54	64	73	15	
DC10/MD10	16	5	7	66	75	16	
MD11	201	67	83	66	74	16	
A306	16	5	1	62	69	5	
B757	212	71	44	62	73	16	
B77L	114	38	12	64	72	11	
	Difference [A-B]						
DC10/MD10		-82	-25	-3	-3	-6	
MD11		35	70	-4	-5	-8	
A306		-62	-20	-5	-8	-20	

⁽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)

Rolling Take-off Night Departure Procedure (1:00 to 5:00 AM) Second Quarter 2021, NMT 2

	Aird Depai	raft tures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)
		Basel	ine (November 200	2) [A]		
DC10/MD10		87	32	69	78	22
MD11		32	13	70	79	24
A306		67	21	67	77	25
		Se	cond Quarter 2021	[B]		
	Total [X]	Est. Avg. Monthly [X/3]				
B763	273	91	12	67	74	13
DC10/MD10	49	16	5	66	75	17
MD11	225	75	45	66	74	13
A306	13	4	1	72	78	8
B757	179	60	18	72	73	11
B77L	142	47	11	64	73	17
Difference [A-B]						
DC10/MD10		-71	-27	-3	-3	-5
MD11		43	32	-4	-5	-11
A306		-63	-20	5	1	-17

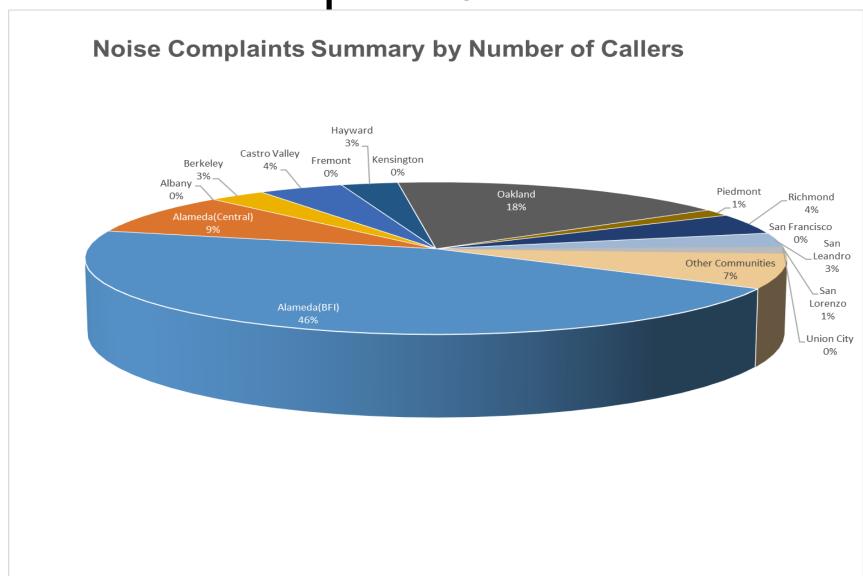
⁽a) For the current calendar quarter reported, ANOMS does not correlate all departures to their respective noise events; that is most, but not all, aircraft back-blast noise events are effectively correlated as the program software algorithms may misidentify an aircraft noise event.

Source: ANOMS (Airport Noise and Operations Monitoring System)

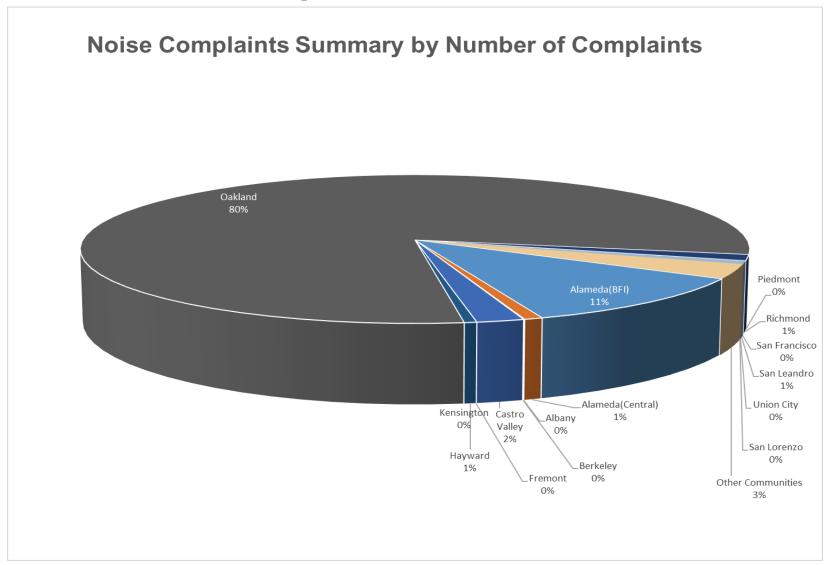
Oakland International Airport Noise Complaint Summary April 2022

April 2022								
Community	Callers	Complaints						
Alameda(BFI)	31	438						
Alameda(Central)	6	31						
Albany	0	0						
Berkeley	2	2						
Castro Valley	3	80						
Fremont	0	0						
Hayw ard	2	21						
Kensington	0	0						
Oakland	12	3144						
Piedmont	1	1						
Richmond	3	51						
San Francisco	0	0						
San Leandro	2	26						
Union City	0	0						
San Lorenzo	1	1						
Other Communities	5	126						
Total	68	3921						
Complaints by Type								
Website	0							
E-mail	;	3100						
Phone		0						
View point App		821						
Comp	laints by Time of Day							
Day (0700 - 1900)		835						
Evening (1900 - 2200)		490						
Night (2200 - 0700)		2596						
Complai	nts by Type of Operation							
Arrivals	2910							
Departures	851							
Over-flights		123						
Touch & Go		37						
Not Linked to an Operation		0						
Compla	ints by Type of Aircraft							
Business Jet		154						
Helicopter	85							
Jet	3437							
Military		0						
Not Reported (not linked to an aircraft)		0						
Other (Type information not available)		3						
Propeller		189						
Turbo-prop		53						

Number of Callers April 2022



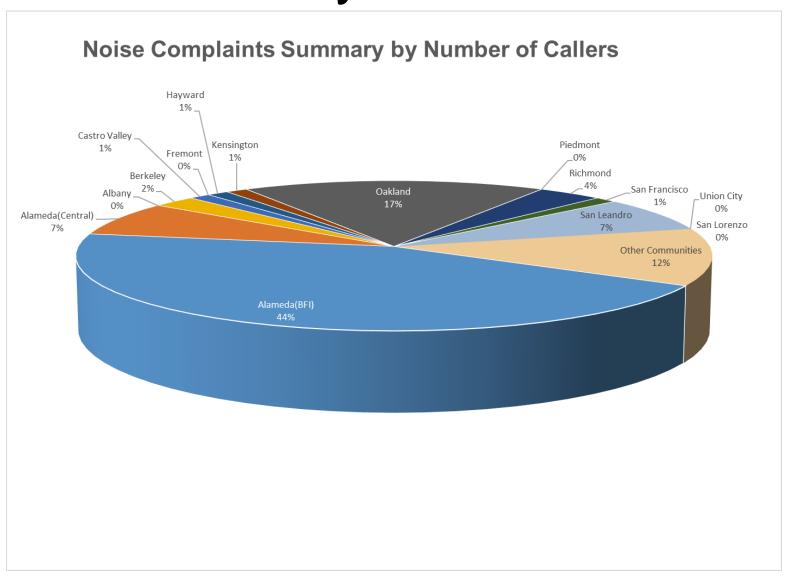
Number of Complaints April 2022



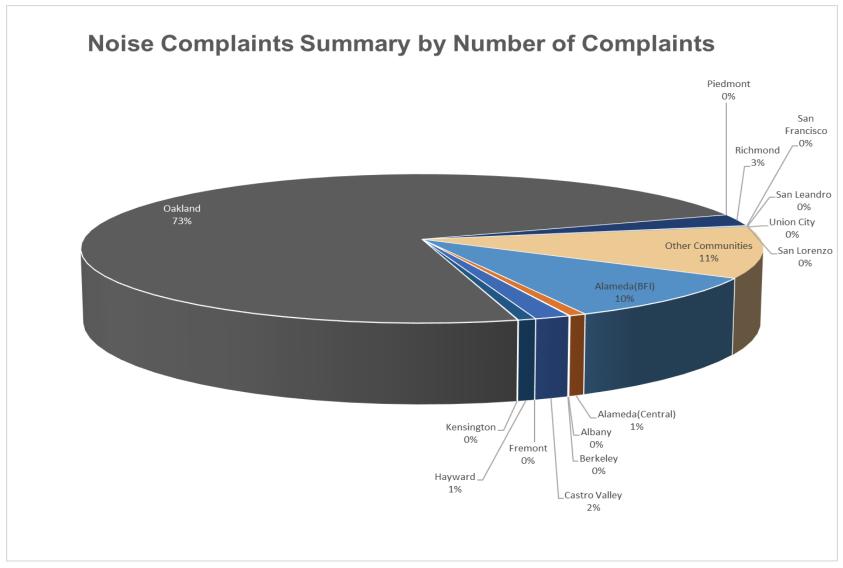
Oakland International Airport Noise Complaint Summary May 2022

Community	Callers	Complaints						
Alameda(BFI)	36	423						
Alameda(Central)	6	31						
Albany	0	0						
Berkeley	2	2						
Castro Valley	1	66						
Fremont	0	0						
Hayw ard	1	33						
Kensington	1	1						
Oakland	14	3223						
Piedmont	0	0						
Richmond	3	113						
San Francisco	1	1						
San Leandro	6	9						
Union City	0	0						
San Lorenzo	0	0						
Other Communities	10	491						
Total	81	4393						
Complaints by Type								
E-mail 3547								
View point App	846							
Comp	laints by Time of Day							
Day (0700 - 1900)		828						
Evening (1900 - 2200)		447						
Night (2200 - 0700)		3118						
Com plair	nts by Type of Operation							
Arrivals 3590								
Departures		698						
Over-flights		57						
Touch & Go		48						
Not Linked to an Operation		0						
	ints by Type of Aircraft							
Business Jet 118								
Helicopter	28							
Jet	4033							
Military	0							
Not Reported (not linked to an aircraft)	0							
Other (Type information not available)	14							
Propeller 143								
Turbo-prop		57						

Number of Callers May 2022



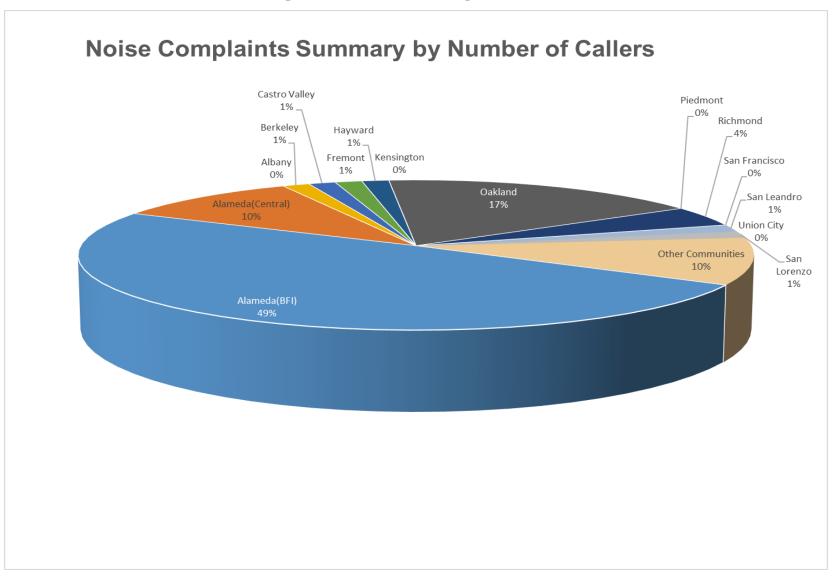
Number of Complaints May 2022



Oakland International Airport Noise Complaint Summary June 2022

June 2022									
Community	Callers	Complaints							
Alameda(BFI)	34	322							
Alameda(Central)	7	32							
Albany	0	0							
Berkeley	1	1							
Castro Valley	1	102							
Fremont	1	1							
Hayw ard	1	1							
Kensington	0	0							
Oakland	12	3386							
Piedmont	0	0							
Richmond	3	197							
San Francisco	0	0							
San Leandro	1	2							
Union City	0	0							
San Lorenzo	1	2							
Other Communities	7	195							
Total	69	4241							
Complaints by Type									
E-mail	3	418							
View point App		323							
Comp	laints by Time of Day								
Day (0700 - 1900)	1	486							
Evening (1900 - 2200)	!	902							
Night (2200 - 0700)		853							
Com plair	nts by Type of Operation								
Arrivals		795							
Departures	1383								
Over-flights	15								
Touch & Go		48							
Not Linked to an Operation		0							
Compla	ints by Type of Aircraft								
Business Jet		144							
Helicopter	20								
Jet	3726								
Military	0								
Not Reported (not linked to an aircraft)	0								
Other (Type information not available)	5								
Propeller	302								
Turbo-prop		44							

Number of Callers June 2022



Number of Complaints June 2022

