NOISE FORUM SUMMARY **North/South Field Working Groups NOISE ABATEMENT REPORT FIRST QUARTER 2021**

Compliance Monitoring Quarterly Summary Comparison First Quarter 2021

	2020Q1		202	1Q1		
	Compl.	N/C	Compl.	N/C		
Runway 28R/L Jet Departure Compliance	96%	4%	95%	5%		
Total Airport-wide Corporate Jet Departures	2,404	111	2,209	113		
Runway 10R/L Jet Landing Compliance	73%	27%	78%	22%		
Total Southeast Plan Corporate Jet Landings	44	16	147	42		
North Field VFR Departure Compliance	93%	7%	93%	7%		
Total Runways 28R/L & 33 Departures	211	15	265	21		
North Field Quiet Hours Compliance	80%	20%	76%	24%		
Total North Field Quiet Hours Departures	178	45	105	34		
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 Turbojet Departures	17,617	10	10,822	7		
Night Time Departure Compliance	99%	1%	99%	1%		
Total Runway 30 Night Turbojet Departures	3,246	36	2,024	19		
Runway 12 Night Departure Compliance	100%	0%	100%	0%		
Total Runway 12 Night Turbojet Departures	59	0	120	0		
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 East Turn Departures	4,438	9	3,487	5		
100 Degree Radial Turbojet Landing Compliance	99%	1%	98%	2%		
Total 100 Degree Radial Turbojet Landings	1,108	8	640	14		
Engine Runup Program Compliance	100%	0%	100%	0%		
Total Evening and Nighttime Engine Runups 11 0 11						
Note: N/C means non-compliant. Percentage values are rounded out.						

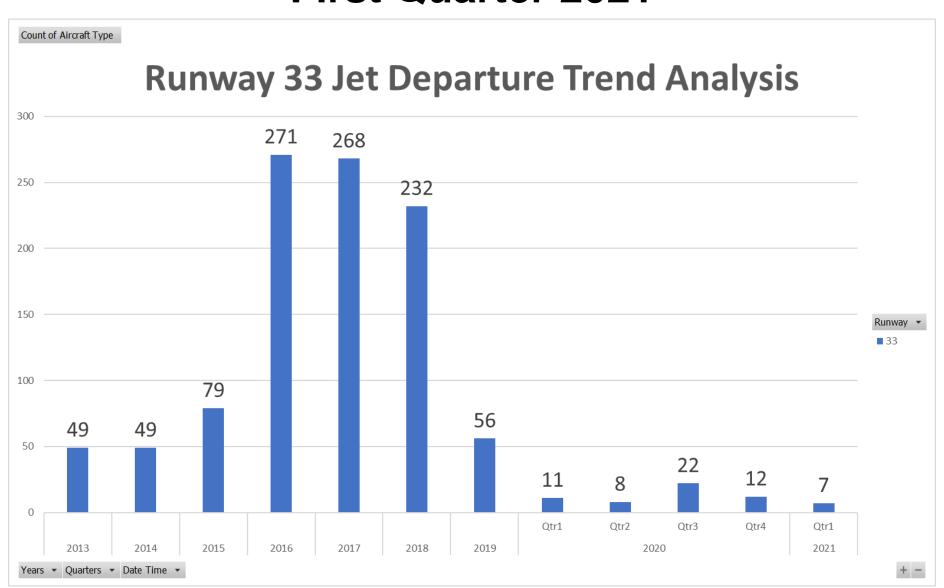


Runway 28R/L Jet Departure NAP

2021Q1 95% Compliance (2,322 total departures) (113 non-compliant)

2020Q1 96% Compliance (2,515 total departures) (111 non-compliant)

RUNWAY 33 JET DEPARTURES First Quarter 2021

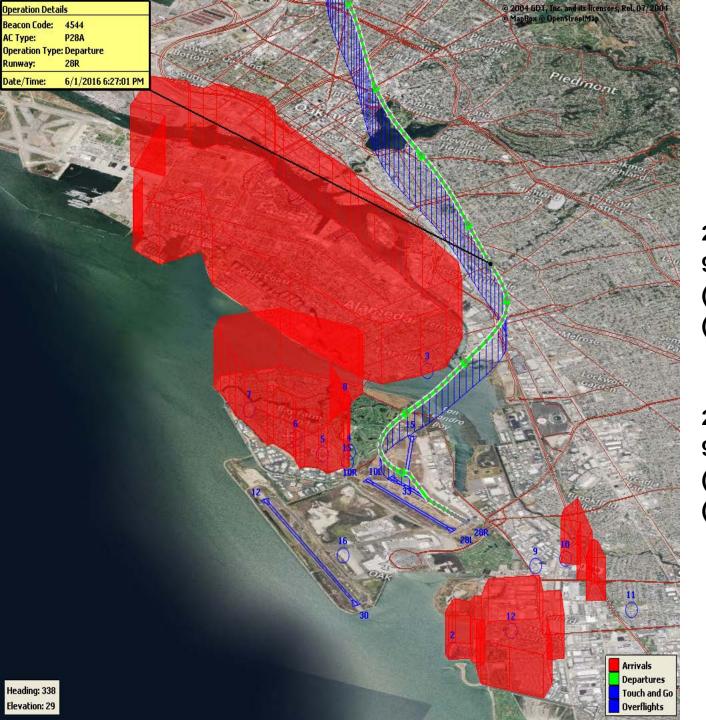




Runway 10R/L Jet Landing NAP

2021Q1 93% Compliance (189 total landings) (42 non-compliant)

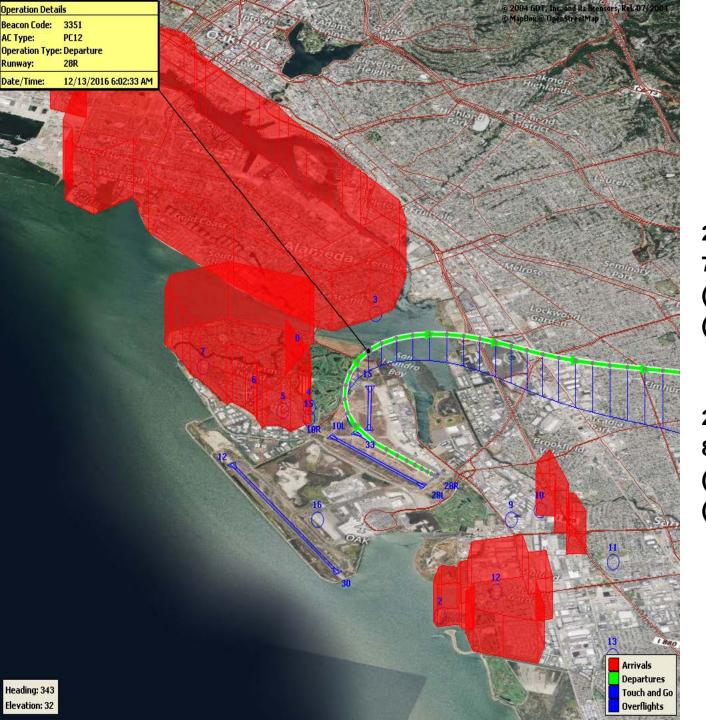
2020Q1 93% Compliance (60 total landings) (16 non-compliant)



VFR Aircraft Departure NAP

2021Q1 93% Compliance (286 total departures) (21 non-compliant)

2020Q1 93% Compliance (226 total departures) (15 non-compliant)

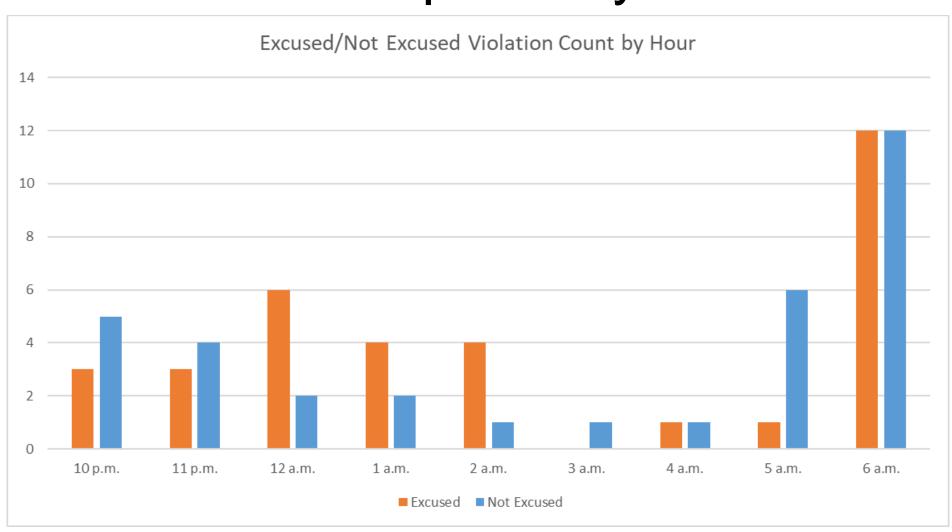


North Field Quiet Hours NAP

2021Q1
76% Compliance
(139 total departures)
(34 non-compliant)

2020Q1 80% Compliance (223 total departures) (45 non-compliant)

North Field Quiet Hours NAP Non-Compliant by Hour





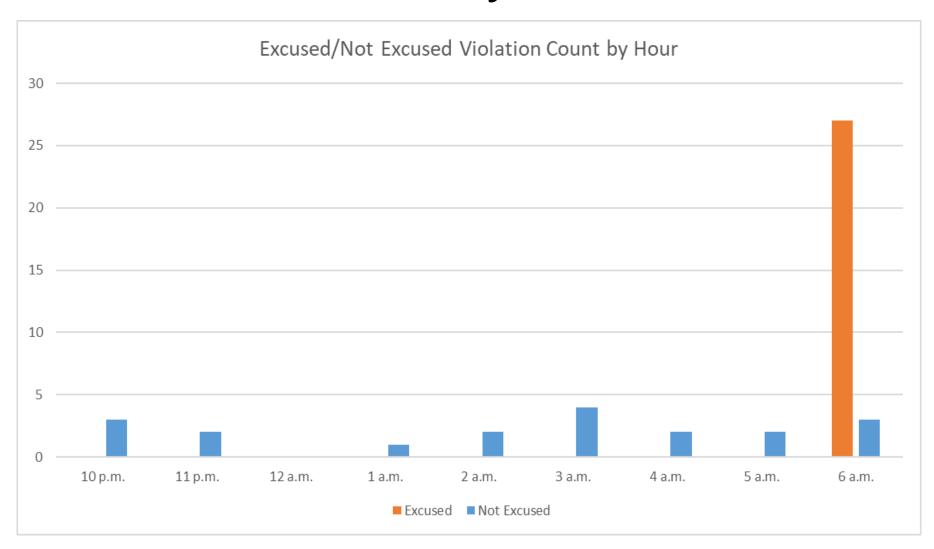
Night Time Departure NAP

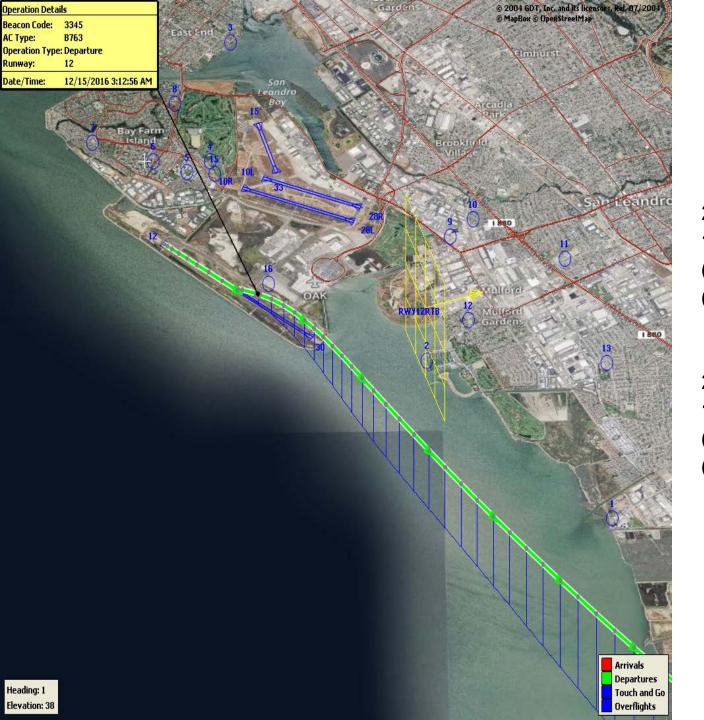
2021Q1 99% Compliance (2,043 total departures) (19 non-compliant)

*REBAS Gate non-compliant = 18

2020Q1 99% Compliance (3,282 total departures) (36 non-compliant)

Night Time NAP Non-Compliant Count by Hour



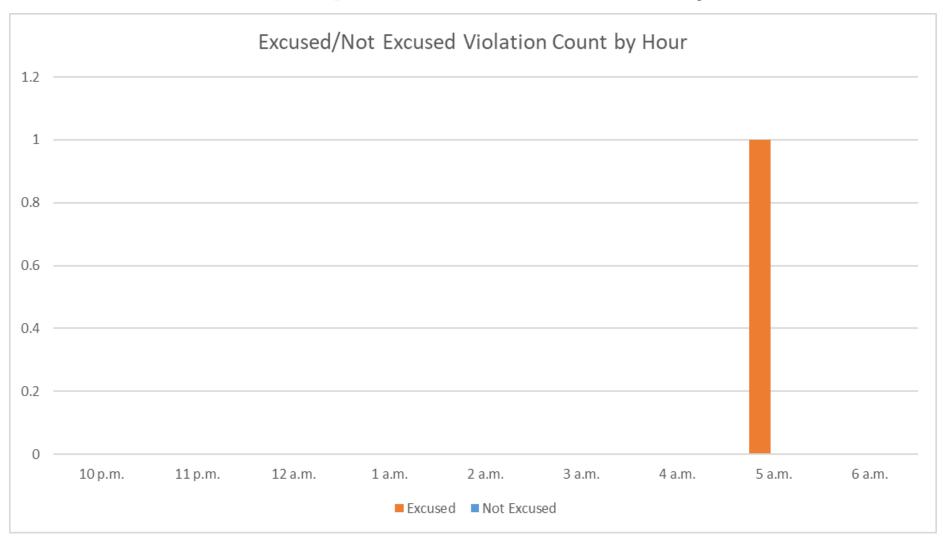


Runway 12 Night Departure NAP

2021Q1 100% Compliance (120 total departures) (0 non-compliant)

2020Q1 100% Compliance (59 total departures) (0 non-compliant)

Runway 12 Night Departure Non-Compliant Count by Hour





Runway 30 Bay Farm Right Turn NAP

2021Q1 100% Compliance (10,829 total departures) (7 non-compliant)

2020Q1 100% Compliance (17,627 total departures) (10 non-compliant)

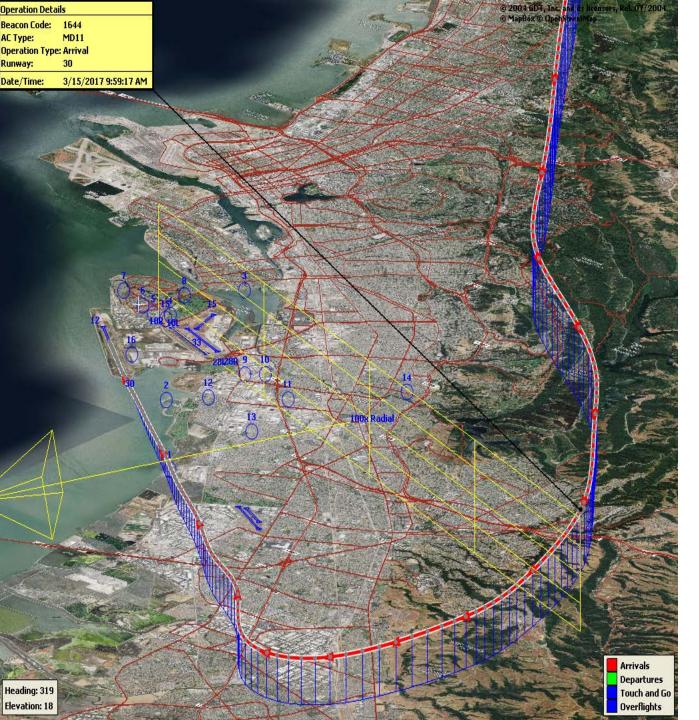


Runway 30 East Turn NAP

2021Q1 100% Compliance (3,492 total departures) (5 non-compliant)

*Excused Departures = 10

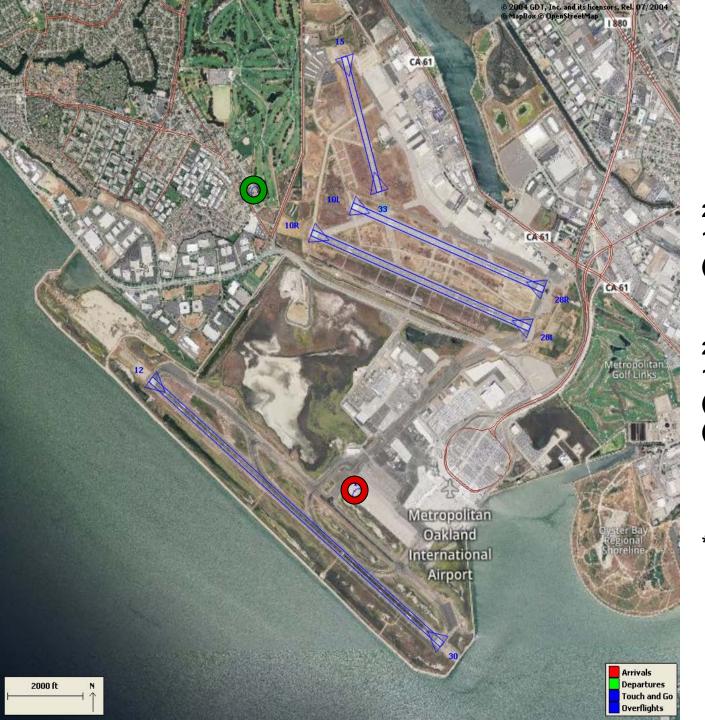
2020Q1 100% Compliance (4,447 total departures) (9 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2021Q1 98% Compliance (654 total landings) (14 non-compliant)

2020Q1 99% Compliance (1,116 total landings) (8 non-compliant)



Engine Run-up NAP

2021Q1 100% Compliance (11 engine run-ups)* (0 non-compliant)

2020Q1 100% Compliance (11 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

Compliance Monitoring Quarterly Summary Comparison First Quarter 2021 - Quarter-to-Quarter

	2020Q4		202	1Q1		
	Compl.	N/C	Compl.	N/C		
Runway 28R/L Jet Departure Compliance	94%	6%	95%	5%		
Total Airport-wide Corporate Jet Departures	2,083	132	2,209	113		
Runway 10R/L Jet Landing Compliance	84%	16%	78%	22%		
Total Southeast Plan Corporate Jet Landings	46	9	147	42		
North Field VFR Departure Compliance	92%	8%	93%	7%		
Total Runways 28R/L & 33 Departures	278	24	265	21		
North Field Quiet Hours Compliance	76%	24%	76%	24%		
Total North Field Quiet Hours Departures	102	32	105	34		
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 Turbojet Departures	11,926	1	10,822	7		
Night Time Departure Compliance	99%	1%	99%	1%		
Total Runway 30 Night Turbojet Departures	2,154	17	2,024	19		
Runway 12 Night Departure Compliance	98%	2%	100%	0%		
Total Runway 12 Night Turbojet Departures	55	1	120	0		
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 East Turn Departures	4,009	4	3,487	5		
100 Degree Radial Turbojet Landing Compliance	99%	1%	98%	2%		
Total 100 Degree Radial Turbojet Landings	805	10	640	14		
Engine Runup Program Compliance	100%	0%	100%	0%		
Total Evening and Nighttime Engine Runups	6	0	11	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 = 139

First Quarter 2021 (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
1	0	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	1
2	9	2	0.0	0.4%	0	0.0	0.0%	2	0.0	0.4%	13
3	27	6	0.1	1.1%	1	0.0	0.2%	0	0.0	0.0%	34
4	51	43	0.5	7.6%	18	0.2	3.2%	6	0.1	1.1%	118
5	60	13	0.1	2.3%	10	0.1	1.8%	10	0.1	1.8%	93
6	12	12	0.1	2.1%	4	0.0	0.7%	7	0.1	1.2%	35
7	16	9	0.1	1.6%	4	0.0	0.7%	2	0.0	0.4%	31
8	22	10	0.1	1.8%	1	0.0	0.2%	0	0.0	0.0%	33
9	8	19	0.2	3.4%	4	0.0	0.7%	2	0.0	0.4%	33
10	49	11	0.1	1.9%	0	0.0	0.0%	0	0.0	0.0%	60
11	5	3	0.0	0.5%	1	0.0	0.2%	0	0.0	0.0%	9
12	8	2	0.0	0.4%	3	0.0	0.5%	0	0.0	0.0%	13
13	3	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	4
14	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
All NMTs	270	132	1	0	46	1	0	29	0	0	477

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 112

First Quarter 2021 (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
3	27	6	0.1	2.5%	1	0.0	0.4%	0	0.0	0.0%	34
4	51	43	0.5	18.0%	18	0.2	7.5%	6	0.1	2.5%	118
5	60	13	0.1	5.4%	10	0.1	4.2%	10	0.1	4.2%	93
6	12	12	0.1	5.0%	4	0.0	1.7%	7	0.1	2.9%	35
7	16	9	0.1	3.8%	4	0.0	1.7%	2	0.0	0.8%	31
8	22	10	0.1	4.2%	1	0.0	0.4%	0	0.0	0.0%	33
Total	188	93	1.0		38	0.4		25	0.3		344

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 27

First Quarter 2021 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise Events Below	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
2	9	2	0.0	0.6%	0	0.0	0.0%	2	0.0	0.6%	13
9	8	19	0.2	5.8%	4	0.0	1.2%	2	0.0	0.6%	33
10	49	11	0.1	3.4%	0	0.0	0.0%	0	0.0	0.0%	60
11	5	3	0.0	0.9%	1	0.0	0.3%	0	0.0	0.0%	9
12	8	2	0.0	0.6%	3	0.0	0.9%	0	0.0	0.0%	13
13	3	1	0.0	0.3%	0	0.0	0.0%	0	0.0	0.0%	4
14	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
Total	82	38	0.4		8	0.1		4	0.0		132

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

1110t Quarto: 2021, 14111 2							
		craft 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	
		F	ïrst Quarter 2021 [l	3]			
	Total [X]	Est. Avg. Monthly [X/3]					
B763	163	54	64	66	75	15	
DC10/MD10	44	15	35	66	75	19	
MD11	163	54	110	68	77	22	
A306	109	36	45	65	75	17	
B757	159	53	60	65	75	16	
B77L	115	38	28	65	74	15	
Difference [A-B]							
DC10/MD10		-72	3	-3	-3	-3	
MD11		22	97	-2	-2	-2	
A306		-31	24	-2	-2	-8	

⁽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) First Quarter 2020, NMT 2

	Aird Depar	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	
		F	ïrst Quarter 2020 [I	3]			
	Total [X]	Est. Avg. Monthly [X/3]					
B763	144	48	40	65	74	15	
DC10/MD10	47	16	22	65	75	17	
MD11	227	76	127	67	76	17	
A306	93	31	39	66	75	17	
B757	172	57	55	66	76	16	
B77L	113	38	25	65	73	12	
Difference [A-B]							
DC10/MD10		-71	-10	-4	-3	-5	
MD11		44	114	-3	-3	-7	
A306		-36	18	-1	-2	-8	

⁽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.

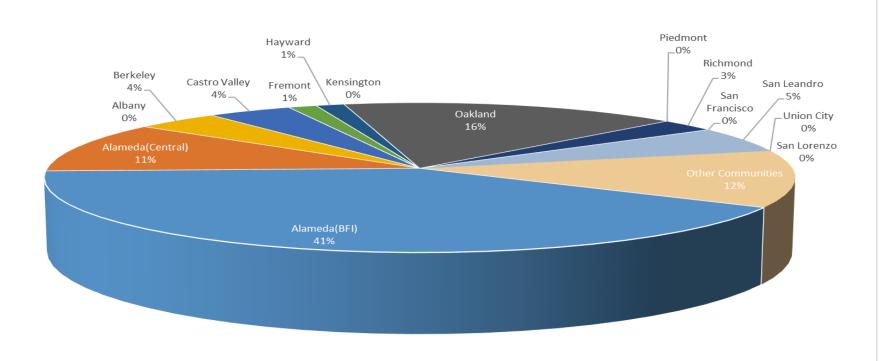
Source: ANOMS (Airport Noise and Operations Monitoring System)

Oakland International Airport Noise Complaint Summary January 2021

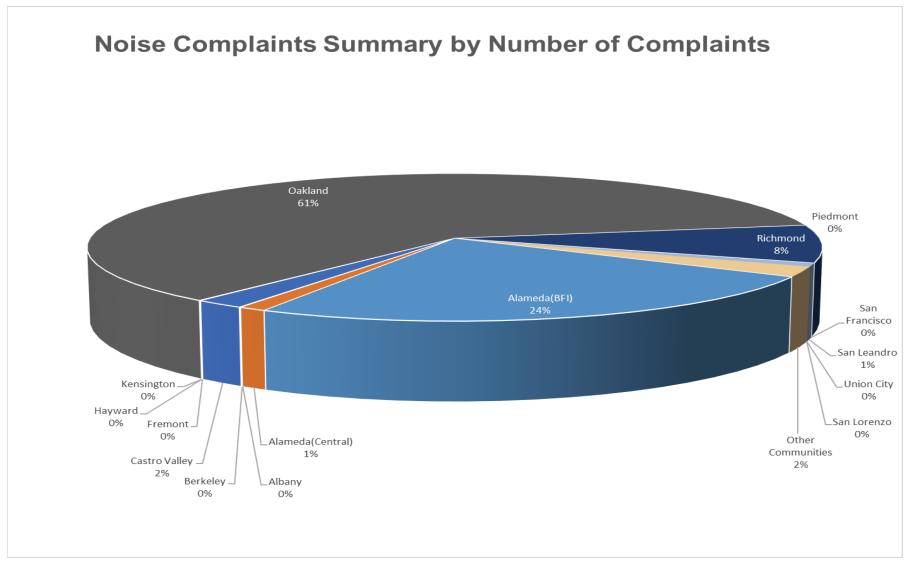
January 2021								
Community	Callers	Complaints						
Alameda(BFI)	30	1416						
Alameda(Central)	8	64						
Albany	0	0						
Berkeley	3	3						
Castro Valley	3	115						
Fremont	1	3						
Hayw ard	1	1						
Kensington	0	0						
Oakland	12	3553						
Piedmont	0	0						
Richmond	2	479						
San Francisco	0	0						
San Leandro	4	43						
Union City	0	0						
San Lorenzo	0	0						
Other Communities	9	133						
Total	73	5810						
Co	mplaints by Type							
Website		0						
E-mail	(3)	3516						
Phone		0						
View point App	2	2294						
Comp	laints by Time of Day							
Day (0700 - 1900)	2	2143						
Evening (1900 - 2200)	2	2110						
Night (2200 - 0700)	1	557						
Complair	its by Type of Operation							
Arrivals	3	3191						
Departures	2	2414						
Over-flights		127						
Touch & Go		78						
Not Linked to an Operation		0						
Compla	ints by Type of Aircraft							
Business Jet		249						
Helicopter		35						
Jet		5081						
Military		2						
Not Reported (not linked to an aircraft)		0						
Other (Type information not available)		5						
Propeller	;	334						
Turbo-prop		104						

Number of Callers January 2021

Noise Complaints Summary by Number of Callers



Number of Complaints January 2021

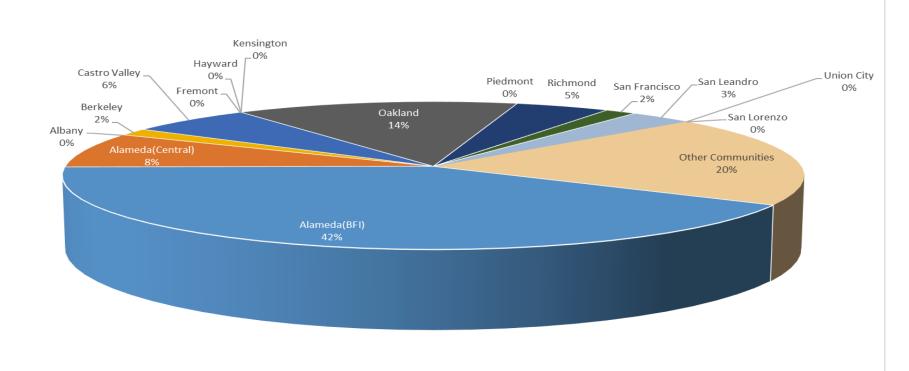


Oakland International Airport Noise Complaint Summary February 2021

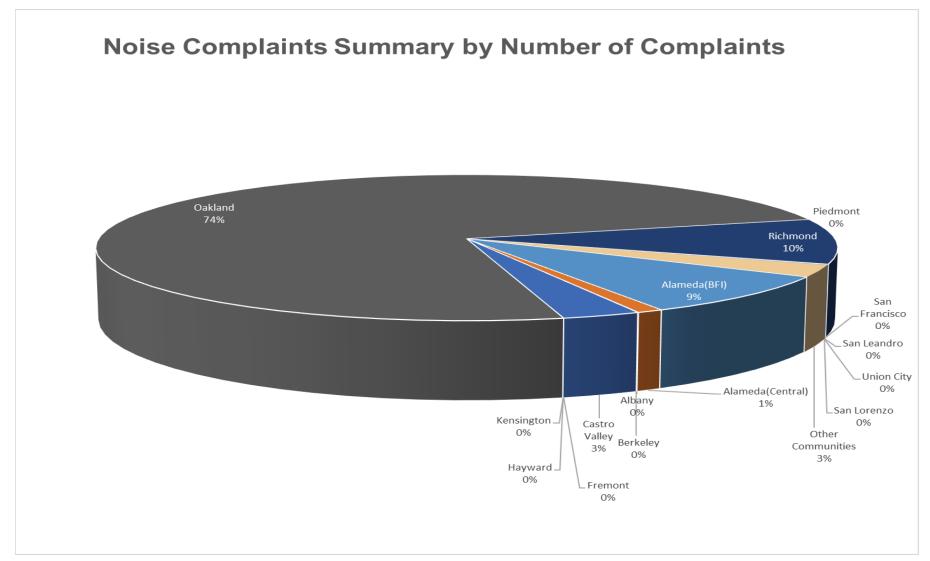
Community	Callers	Complaints
Alameda(BFI)	27	323
Alameda(Central)	5	37
Albany	0	0
Berkeley	1	1
Castro Valley	4	111
Fremont	0	0
Hayw ard	0	0
Kensington	0	0
Oakland	9	2707
Piedmont	0	0
Richmond	3	364
San Francisco	1	1
San Leandro	2	5
Union City	0	0
San Lorenzo	0	0
Other Communities	13	97
Total	65	3646
Co	mplaints by Type	
Website		0
E-mail	2	2690
Phone		0
View point App		956
Comp	laints by Time of Day	
Day (0700 - 1900)	1	150
Evening (1900 - 2200)		685
Night (2200 - 0700)		811
Complain	ts by Type of Operation	
Arrivals		2373
Departures		134
Over-flights		108
Touch & Go		31
Not Linked to an Operation		0
Compla	ints by Type of Aircraft	
Business Jet		191
Helicopter		35
Jet	3	3019
Military		0
Not Reported (not linked to an aircraft)		0
Other (Type information not available)		16
Propeller		227
Turbo-prop		158

Number of Callers February 2021

Noise Complaints Summary by Number of Callers



Number of Complaints February 2021

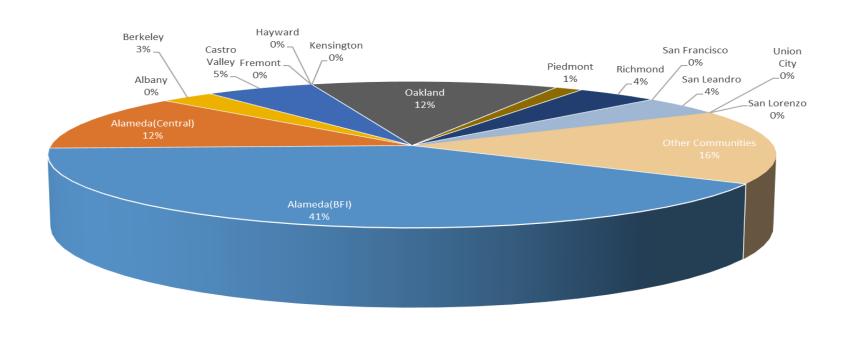


Oakland International Airport Noise Complaint Summary March 2021

Community	Callers	Complaints
Alameda(BFI)	30	1070
Alameda(Central)	9	61
Albany	0	0
Berkeley	2	3
Castro Valley	4	117
Fremont	0	0
Hayw ard	0	0
Kensington	0	0
Oakland	9	3330
Piedmont	1	1
Richmond	3	427
San Francisco	0	0
San Leandro	3	27
Union City	0	0
San Lorenzo	0	0
Other Communities	12	215
Total	73	5251
Co	mplaints by Type	
Website		0
E-mail	3	343
Phone		0
View point App		908
	laints by Time of Day	
Day (0700 - 1900)		449
Evening (1900 - 2200)		283
Night (2200 - 0700)		2519
	ts by Type of Operation	2000
Arrivals		540
Departures Countilists		519
Over-flights		295
Touch & Go		75
Not Linked to an Operation	ints by Type of Aircraft	0
Business Jet		256
Helicopter	•	51
Jet	9	3757
Military		0
Not Reported (not linked to an aircraft)		0
Other (Type information not available)		24
Propeller	1	040
Turbo-prop		123
Tailoo prop		·

Number of Callers March 2021

Noise Complaints Summary by Number of Callers



Number of Complaints March 2021

