NOISE FORUM SUMMARY

North/South Field Working Groups

NOISE ABATEMENT REPORT

THIRD QUARTER 2020

Compliance Monitoring Quarterly Summary Comparison Third Quarter 2020

	2019Q3		2020Q3	
	Compl.	N/C	Compl.	N/C
Runway 28R/L Jet Departure Compliance	95%	5%	96%	4%
Total Airport-wide Corporate Jet Departures	2,917	141	2,098	84
Runway 10R/L Jet Landing Compliance	0%	0%	0%	0%
Total Southeast Plan Corporate Jet Landings	0	0	0	0
North Field VFR Departure Compliance	96%	4%	93%	7%
Total Runways 28R/L & 33 Departures	325	14	236	19
North Field Quiet Hours Compliance	75%	25%	66%	33%
Total North Field Quiet Hours Departures	219	72	123	62
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 Turbojet Departures	21,252	5	11,698	7
Night Time Departure Compliance	93%	7%	99%	1%
Total Runway 30 Night Turbojet Departures	3,748	266	2,182	32
Runway 12 Night Departure Compliance	0%	0%	0%	0%
Total Runway 12 Night Turbojet Departures	0	0	0	0
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 East Turn Departures	5,981	13	4,220	17
100 Degree Radial Turbojet Landing Compliance	99%	1%	98%	2%
Total 100 Degree Radial Turbojet Landings	1,381	14	704	12
Engine Runup Program Compliance	100%	0%	100%	0%
Total Evening and Nighttime Engine Runups	11	0	16	0
Note: WC means non-compliant. Percentage	values are r	ounded out	i.	

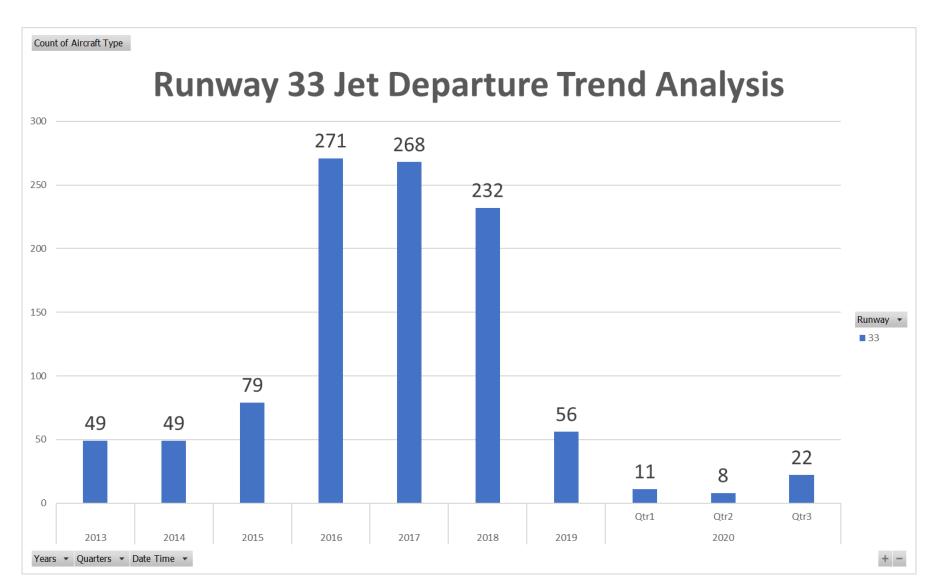


Runway 28R/L Jet Departure NAP

2020Q3 96% Compliance (2,182 total departures) (84 non-compliant)

2019Q3 95% Compliance (3,058 total departures) (141 non-compliant)

RUNWAY 33 JET DEPARTURES Third Quarter 2020

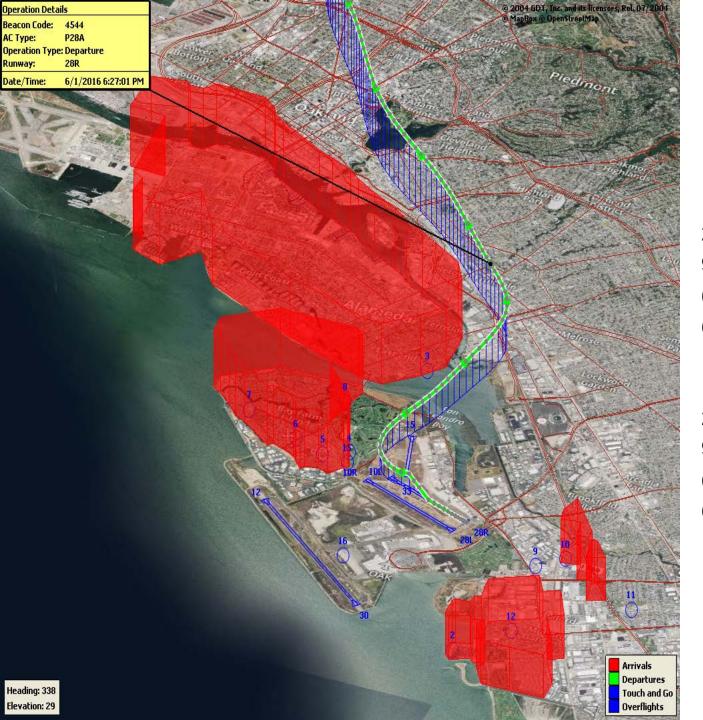




Runway 10R/L Jet Landing NAP

2020Q3 N/A (0 total landings) (0 non-compliant)

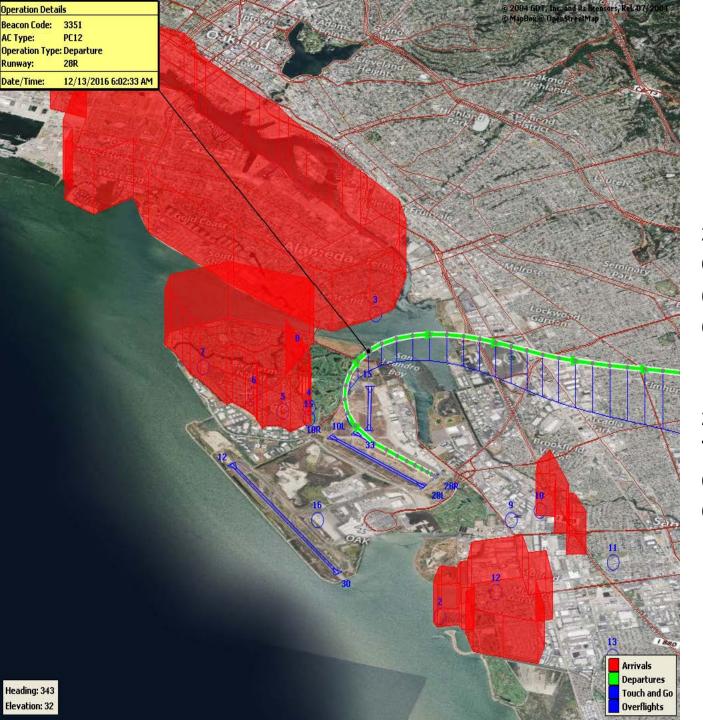
2019Q3 N/A (0 total landings) (0 non-compliant)



VFR Aircraft Departure NAP

2020Q3 93% Compliance (255 total departures) (19 non-compliant)

2019Q3 96% Compliance (339 total departures) (19 non-compliant)

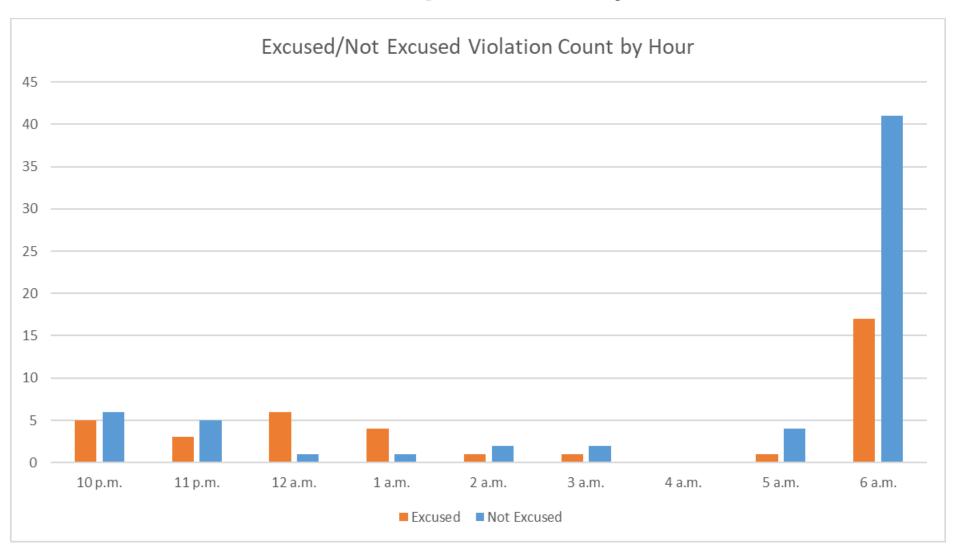


North Field Quiet Hours NAP

2020Q3
66% Compliance
(185 total departures)
(62 non-compliant)

2019Q375% Compliance(291 total departures)(72 non-compliant)

North Field Quiet Hours NAP Non-Compliant by Hour





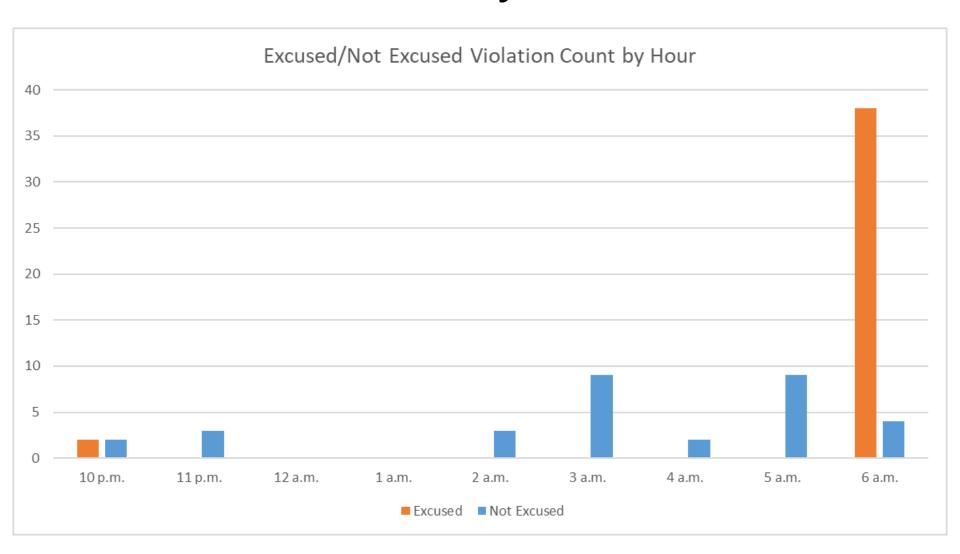
Night Time Departure NAP

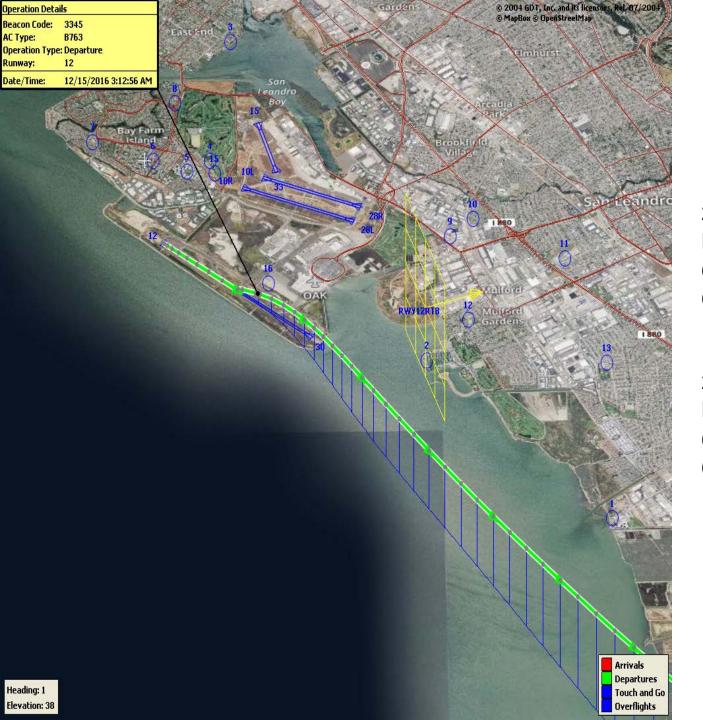
2020Q3 99% Compliance (2,214 total departures) (32 non-compliant)

*REBAS Gate non-compliant = 31

2019Q3 93% Compliance (4,014 total departures) (266 non-compliant)

Night Time NAP Non-Compliant Count by Hour



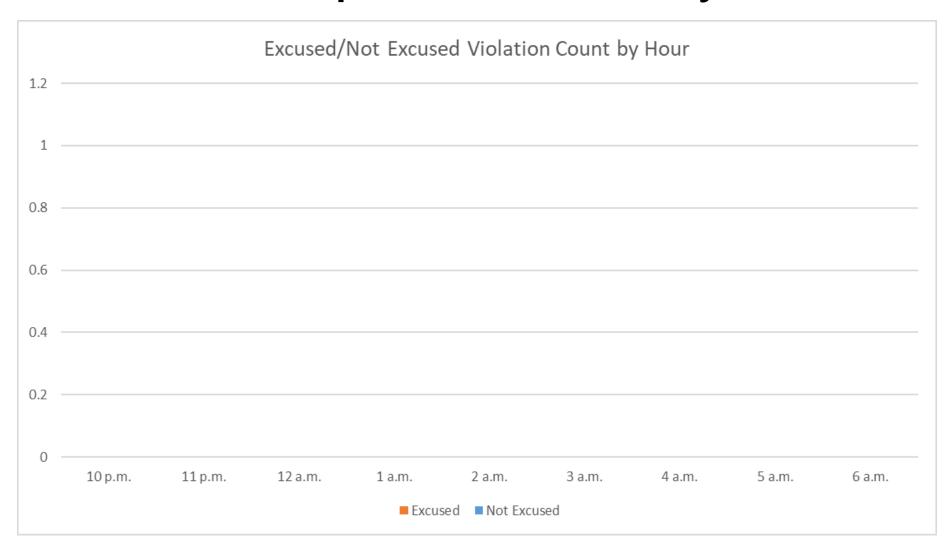


Runway 12 Night Departure NAP

2020Q3 N/A (0 total departures) (0 non-compliant)

2019Q3 N/A (0 total departures) (0 non-compliant)

Runway 12 Night Departure Non-Compliant Count by Hour





Runway 30 Bay Farm Right Turn NAP

2020Q3 100% Compliance (11,705 total departures) (7 non-compliant)

2019Q3 100% Compliance (21,257 total departures) (5 non-compliant)

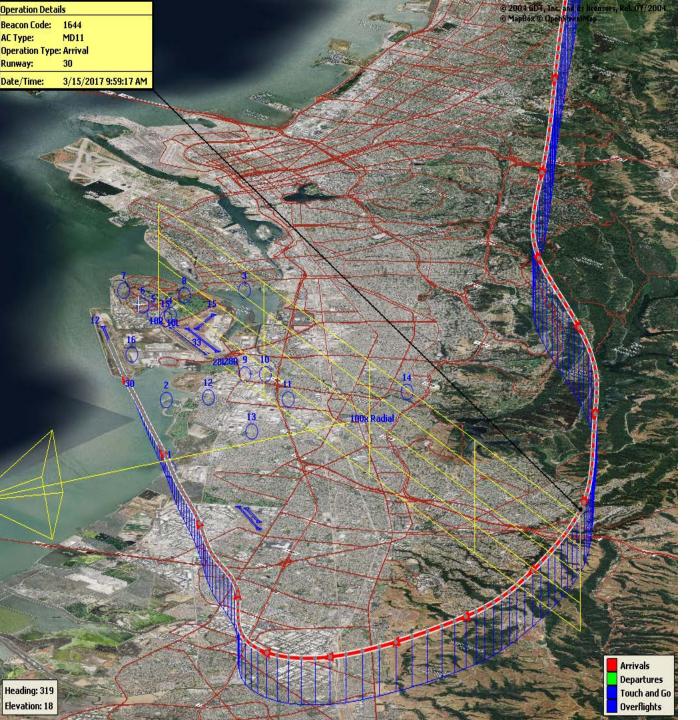


Runway 30 East Turn NAP

2020Q3 100% Compliance (4,327 total departures) (17 non-compliant)

*Excused Departures = 29

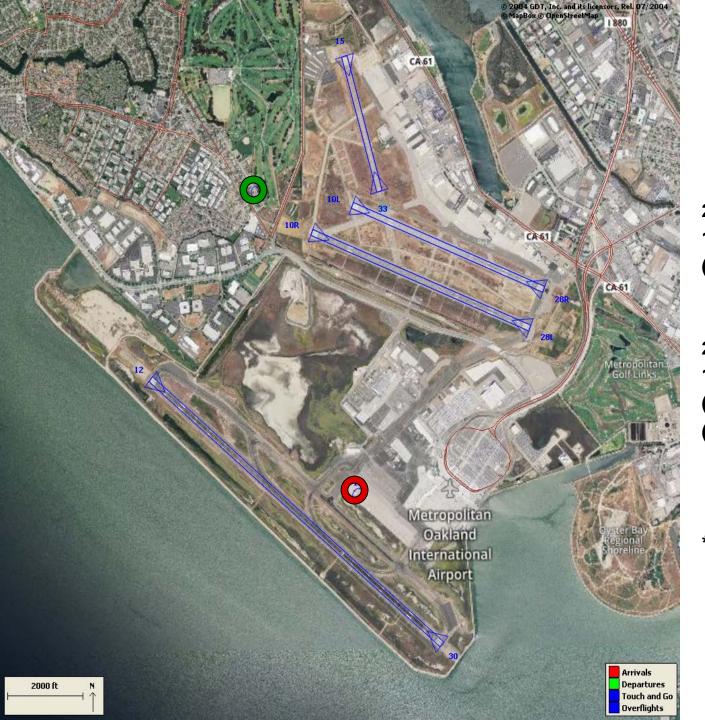
2019Q3 100% Compliance (5,994 total departures) (13 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2020Q3 98% Compliance (716 total landings) (12 non-compliant)

2019Q3 99% Compliance (1,395 total landings) (14 non-compliant)



Engine Run-up NAP

2020Q3 100% Compliance (16 engine run-ups)* (0 non-compliant)

2019Q3 100% Compliance (11 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

Compliance Monitoring Quarterly Summary Comparison Third Quarter 2020 - Quarter-to-Quarter

	2020	0Q2	2020Q3		
	Compl.	N/C	Compl.	N/C	
Runway 28R/L Jet Departure Compliance	96%	4%	96%	4%	
Total Airport-wide Corporate Jet Departures	1,106	49	2,098	84	
Runway 10R/L Jet Landing Compliance	85%	15%	N/A	N/A	
Total Southeast Plan Corporate Jet Landings	11	2	0	0	
North Field VFR Departure Compliance	87%	13%	93%	7%	
Total Runways 28R/L & 33 Departures	124	18	236	19	
North Field Quiet Hours Compliance	78%	22%	66%	33%	
Total North Field Quiet Hours Departures	162	47	123	62	
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%	
Total Runway 30 Turbojet Departures	7,676	3	11,698	7	
Night Time Departure Compliance	99%	1%	99%	1%	
Total Runway 30 Night Turbojet Departures	1,825	26	2,182	32	
Runway 12 Night Departure Compliance	92%	8%	N/A	N/A	
Total Runway 12 Night Turbojet Departures	48	4	0	0	
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%	
Total Runway 30 East Turn Departures	2,712	3	4,220	17	
100 Degree Radial Turbojet Landing Compliance	99%	1%	98%	2%	
Total 100 Degree Radial Turbojet Landings	540	6	704	12	
Engine Runup Program Compliance	100%	0%	100%	0%	
Total Evening and Nighttime Engine Runups	11	0	16	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 = 185

Third Quarter 2020 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise Events Below	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	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	6	3	0.0	0.5%	6	0.1	1.1%	1	0.0	0.2%	16
3	25	3	0.0	0.5%	0	0.0	0.0%	0	0.0	0.0%	28
4	53	88	1.0	15.5%	13	0.1	2.3%	1	0.0	0.2%	155
5	80	43	0.5	7.6%	12	0.1	2.1%	2	0.0	0.4%	137
6	32	8	0.1	1.4%	5	0.1	0.9%	0	0.0	0.0%	45
7	17	5	0.1	0.9%	0	0.0	0.0%	0	0.0	0.0%	22
8	33	14	0.2	2.5%	1	0.0	0.2%	1	0.0	0.2%	49
9	5	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	5
10	3	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	4
11	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
12	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
13	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
14	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
All NMTs	254	165	2	0	37	0	0	5	0	0	461

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 184

Third Quarter 2020 (10:00 p.m. to 7:00 a.m.)

NMT	Aircraft Noise Events Below	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	Nightly Average	As Percentage of Departures	Amount	Nightly Average	As Percentage of Departures	Noise Events
3	25	3	0.0	1.3%	0	0.0	0.0%	0	0.0	0.0%	28
4	53	88	1.0	36.8%	13	0.1	5.4%	1	0.0	0.4%	155
5	80	43	0.5	18.0%	12	0.1	5.0%	2	0.0	0.8%	137
6	32	8	0.1	3.3%	5	0.1	2.1%	0	0.0	0.0%	45
7	17	5	0.1	2.1%	0	0.0	0.0%	0	0.0	0.0%	22
8	33	14	0.2	5.9%	1	0.0	0.4%	1	0.0	0.4%	49
Total	240	161	1.8		31	0.3		4	0.0		436

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 1

Third Quarter 2020 (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		Ai	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	6	3	0.0	0.9%	6	0.1	1.8%	1	0.0	0.3%	16
9	5	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	5
10	3	1	0.0	0.3%	0	0.0	0.0%	0	0.0	0.0%	4
11	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
12	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
13	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
14	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
Total	14	4	0.0		6	0.1		1	0.0		25

Rolling Take-off Night Departure Procedure (1:00 to 5:00 AM) Third Quarter 2020, NMT 2 Aircraft Recorded Noise Avg. Duration SEL Average Lmax Average Departures (seconds) Events (a) Baseline (November 2002) [A] 87 DC10/MD10 32 69 78 22 32 MD11 13 70 79 24 A306 67 21 67 77 25 Third Quarter 2020 [B] Est. Avg. Total [X] Monthly [X/3] B763 186 62 11 65 73 13 DC10/MD10 48 16 65 73 12 9 MD11 205 68 42 65 74 14 100 33 79 A306 3 70 25 B757 149 50 5 70 74 14 B77L 126 42 2 76 80 13 Difference [A-B] DC10/MD10 -71 -23 -5 -4 -10 MD11 36 29 -5 -5 -10 2 A306 -34 -18 3 0

⁽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) Third Quarter 2019, NMT 2

	Airo Depai	raft tures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)			
<u> </u>	Baseline (November 2002) [A]								
DC10/MD10		87	32	69	78	22			
MD11		32	13	70	79	24			
A306		67	21	67	77	25			
·	Third Quarter 2019 [B]								
	Total [X]	Est. Avg. Monthly [X/3]							
B763	122	41	6	64	72	10			
DC10/MD10	53	18	6	66	75	18			
MD11	259	86	58	66	74	15			
A306	116	39	13	67	76	17			
B757	173	58	12	67	74	13			
B77L	88	29	5	66	74	12			
Difference [A-B]									
DC10/MD10		-69	-26	-3	-3	-4			
MD11		54	45	-4	-5	-9			
A306		-28	-8	0	-1	-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.

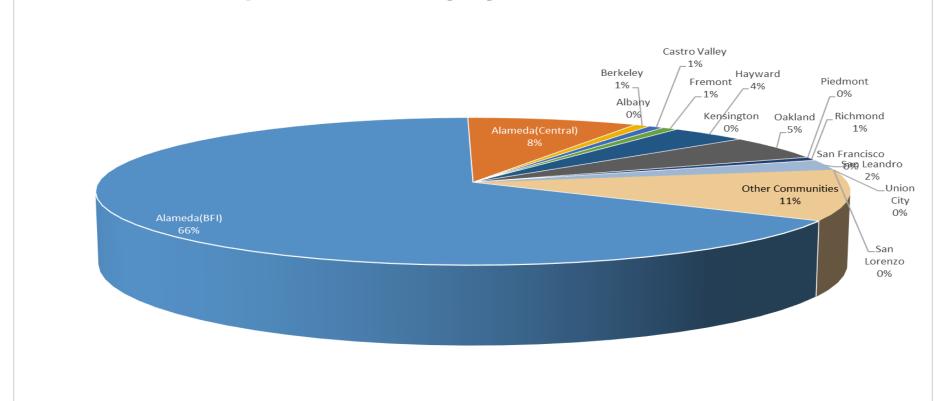
Source: ANOMS (Airport Noise and Operations Monitoring System)

Oakland International Airport Noise Complaint Summary July 2020

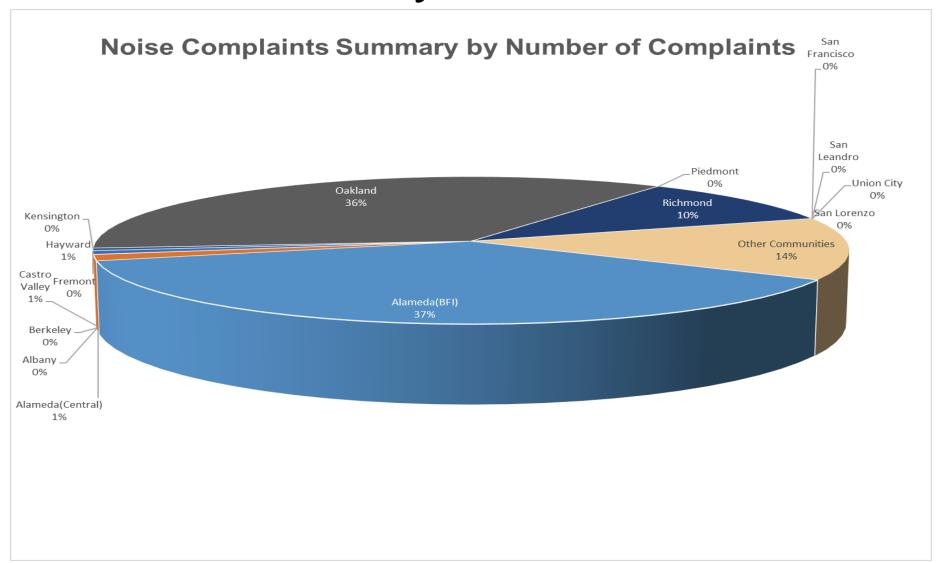
July 2020							
Community	Callers	Complaints					
Alameda(BFI)	89	2718					
Alameda(Central)	11	97					
Albany	0	0					
Berkeley	1	3					
Castro Valley	1	57					
Fremont	1	1					
Hayward	5	40					
Kensington	0	0					
Oakland	7	2595					
Piedmont	0	0					
Richmond	1	758					
San Francisco	0	0					
San Leandro	3	4					
Union City	0	0					
San Lorenzo	0	0					
Other Communities	15	985					
Total	134	7258					
Complaints by Type							
Website		0					
E-mail	2	2840					
Phone		0					
View point App		1418					
Comp	laints by Time of Day						
Day (0700 - 1900)	3	3840					
Evening (1900 - 2200)	1432						
Night (2200 - 0700)	1986						
Complair	ts by Type of Operation						
Arrivals	3126						
Departures	3604						
Over-flights	423						
Touch & Go	105						
Not Linked to an Operation		0					
Compla	ints by Type of Aircraft						
Business Jet		675					
Helicopter	36						
Jet	5272						
Military	0						
Not Reported (not linked to an aircraft)	0						
Other (Type information not available)	411						
Propeller	720						
Turbo-prop		144					

Number of Callers July 2020

Noise Complaints Summary by Number of Callers



Number of Complaints July 2020

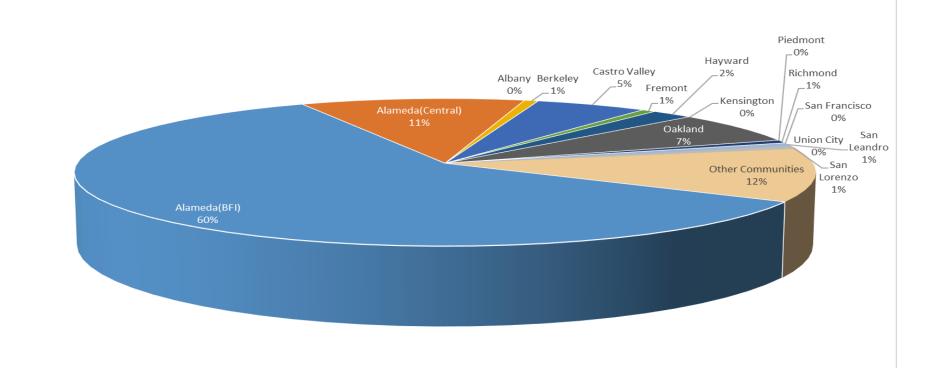


Oakland International Airport Noise Complaint Summary August 2020

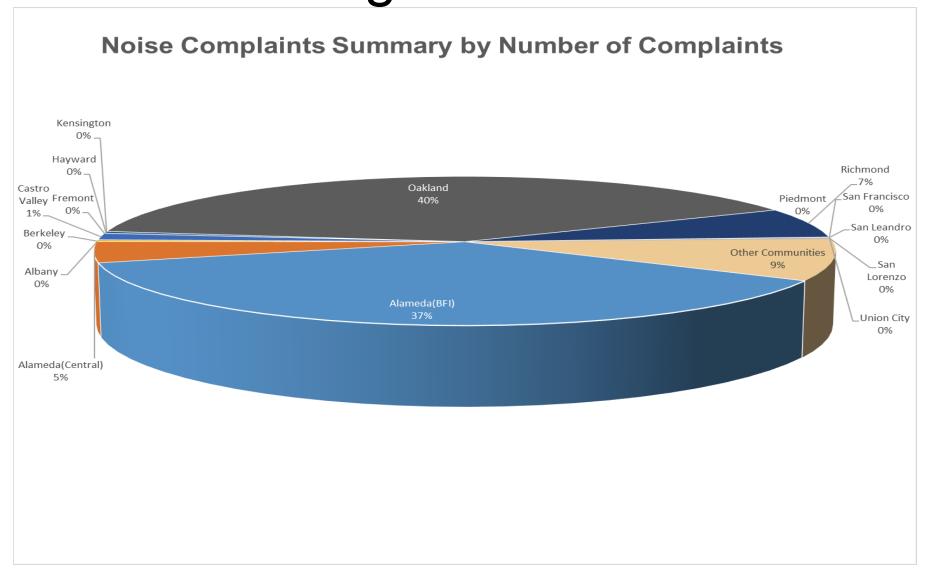
August 2020							
Community	Callers	Complaints					
Alameda(BFI)	87	2954					
Alameda(Central)	16	361					
Albany	0	0					
Berkeley	1	29					
Castro Valley	8	114					
Fremont	1	1					
Hayw ard	3	33					
Kensington	0	0					
Oakland	10	3192					
Piedmont	0	0					
Richmond	1	517					
San Francisco	0	0					
San Leandro	1	1					
Union City	0	0					
San Lorenzo	1	30					
Other Communities	17	713					
Total	146	7945					
Complaints by Type							
Website		0					
E-mail	3	3583					
Phone		0					
View point App		1362					
Comp	laints by Time of Day						
Day (0700 - 1900)	3	3872					
Evening (1900 - 2200)	2293						
Night (2200 - 0700)	1780						
Complair	nts by Type of Operation						
Arrivals	3596						
Departures	3962						
Over-flights	269						
Touch & Go	118						
Not Linked to an Operation		0					
Compla	ints by Type of Aircraft						
Business Jet		875					
Helicopter	64						
Jet	6007						
Military	0						
Not Reported (not linked to an aircraft)	0						
Other (Type information not available)	137						
Propeller	582						
Turbo-prop		280					

Number of Callers August 2020





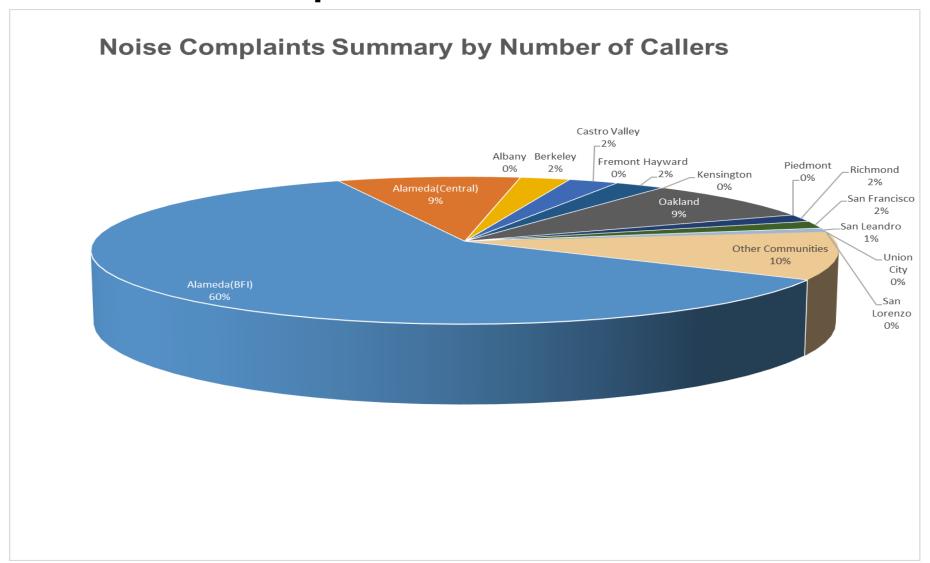
Number of Complaints August 2020



Oakland International Airport Noise Complaint Summary September 2020

September 2020								
Community	Callers	Complaints						
Alameda(BFI)	75	1894						
Alameda(Central)	11	152						
Albany	0	0						
Berkeley	3	3						
Castro Valley	3	104						
Fremont	0	0						
Hayw ard	3	4						
Kensington	0	0						
Oakland	11	2547						
Piedmont	0	0						
Richmond	2	588						
San Francisco	2	2						
San Leandro	1	2						
Union City	0	0						
San Lorenzo	0	0						
Other Communities	13	663						
Total	124	5959						
Co	Complaints by Type							
Website		0						
E-mail		2692						
Phone		0						
View point App		3267						
Comp	laints by Time of Day							
Day (0700 - 1900)	2	2797						
Evening (1900 - 2200)	1015							
Night (2200 - 0700)	2147							
Complair	nts by Type of Operation							
Arrivals	2650							
Departures	2884							
Over-flights	306							
Touch & Go		119						
Not Linked to an Operation		0						
Compla	ints by Type of Aircraft							
Business Jet		641						
Helicopter	35							
Jet	4352							
Military		0						
Not Reported (not linked to an aircraft)		0						
Other (Type information not available)	179							
Propeller	588							
Turbo-prop		164						

Number of Callers September 2020



Number of Complaints September 2020

