

### Compliance Monitoring Quarterly Summary Comparison Fourth Quarter 2020

	2019	9Q4	2020Q4			
	Compl.	NC	Compl.	N/C		
Runway 28R/L Jet Departure Compliance	95%	5%	94%	6%		
Total Airport-wide Corporate Jet Departures	2,709	147	2,083	132		
Runway 10R/L Jet Landing Compliance	69%	31%	84%	16%		
Total Southeast Plan Corporate Jet Landings	220	97	46	9		
North Field VFR Departure Compliance	91%	9%	92%	8%		
Total Runways 28R/L & 33 Departures	214	22	278	24		
North Field Quiet Hours Compliance	77%	23%	76%	24%		
Total North Field Quiet Hours Departures	174	51	102	32		
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 Turbojet Departures	19,170	73	11,926	1		
Night Time Departure Compliance	99%	1%	99%	1%		
Total Runway 30 Night Turbojet Departures	3,658	52	2,154	17		
Runway 12 Night Departure Compliance	99%	1%	98%	2%		
Total Runway 12 Night Turbojet Departures	276	3	55	1		
Runway 30 East Turn Departure Compliance	99%	1%	100%	0%		
Total Runway 30 East Turn Departures	5,220	59	4,009	4		
100 Degree Radial Turbojet Landing Compliance	99%	1%	99%	1%		
Total 100 Degree Radial Turbojet Landings	1,245	11	805	10		
Engine Runup Program Compliance	100%	0%	100%	0%		
Total Evening and Nighttime Engine Runups	8	0	6	0		
Note: N/C means non-compliant. Percentage values are rounded out.						

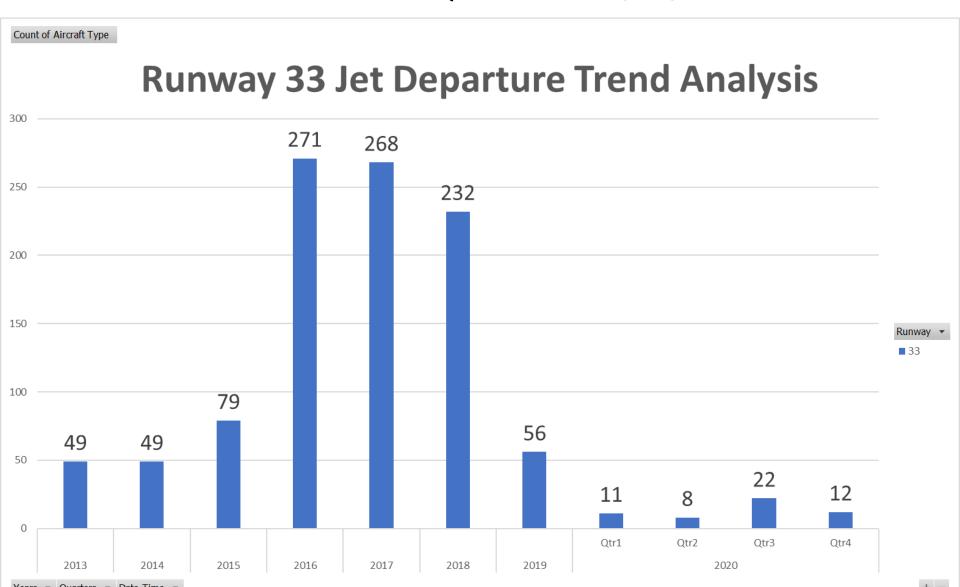


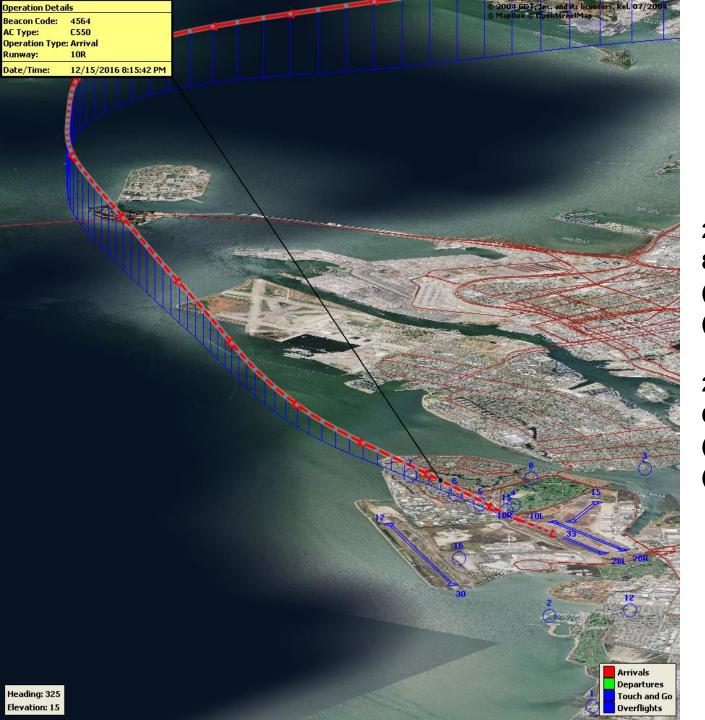
### Runway 28R/L Jet Departure NAP

2020Q4 94% Compliance (2,215 total departures) (132 non-compliant)

2019Q4 95% Compliance (2,856 total departures) (147 non-compliant)

# RUNWAY 33 JET DEPARTURES Fourth Quarter 2020

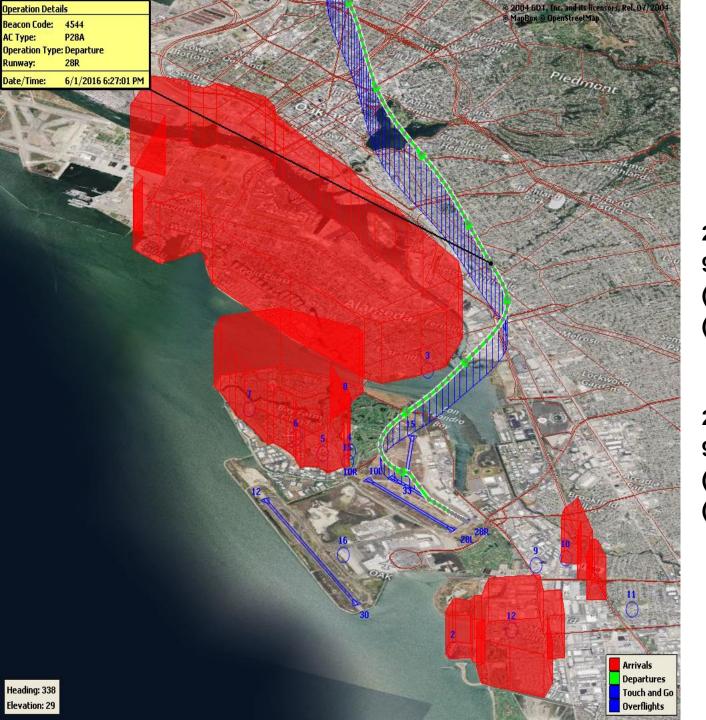




### Runway 10R/L Jet Landing NAP

2020Q4 84% Compliance (55 total landings) (9 non-compliant)

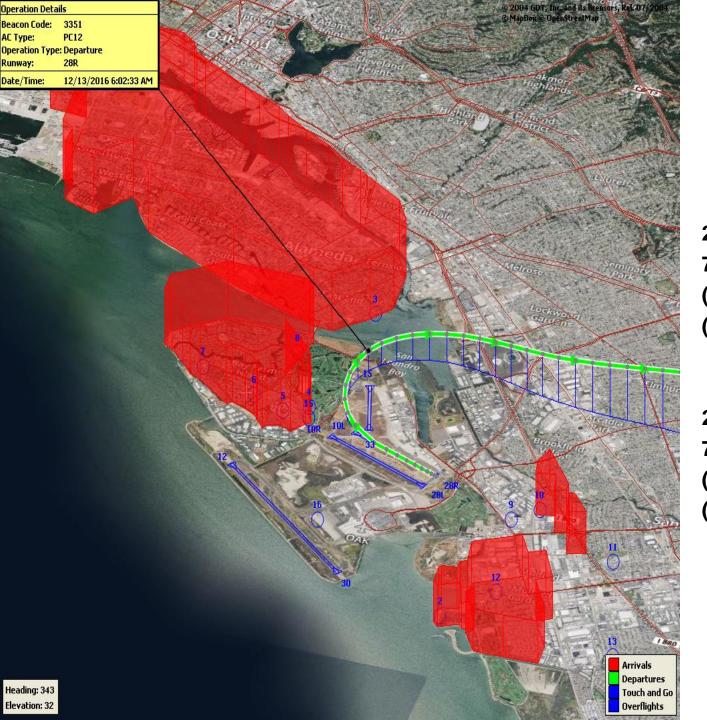
2019Q4 69% Compliance (317 total landings) (97 non-compliant)



### VFR Aircraft Departure NAP

2020Q4 92% Compliance (302 total departures) (24 non-compliant)

2019Q4 91% Compliance (236 total departures) (22 non-compliant)

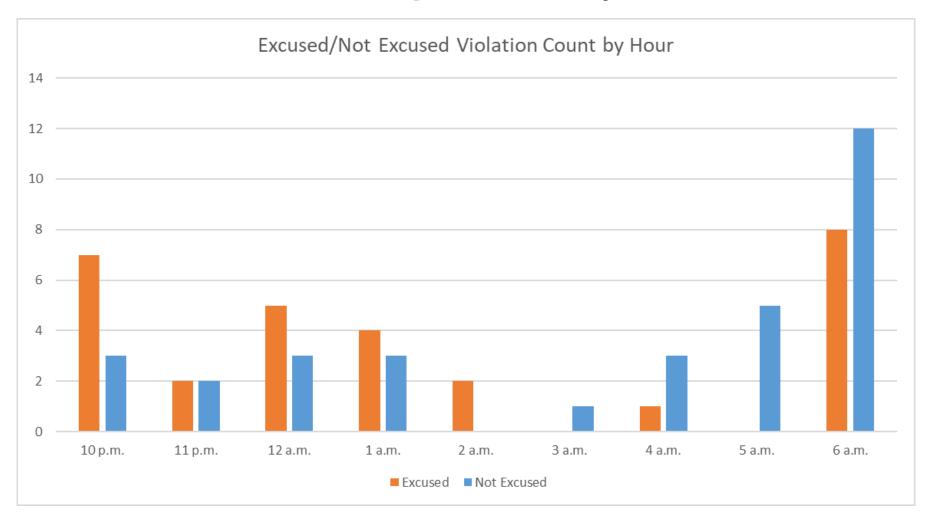


## North Field Quiet Hours NAP

2020Q4 76% Compliance (134 total departures) (32 non-compliant)

2019Q4 77% Compliance (225 total departures) (51 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

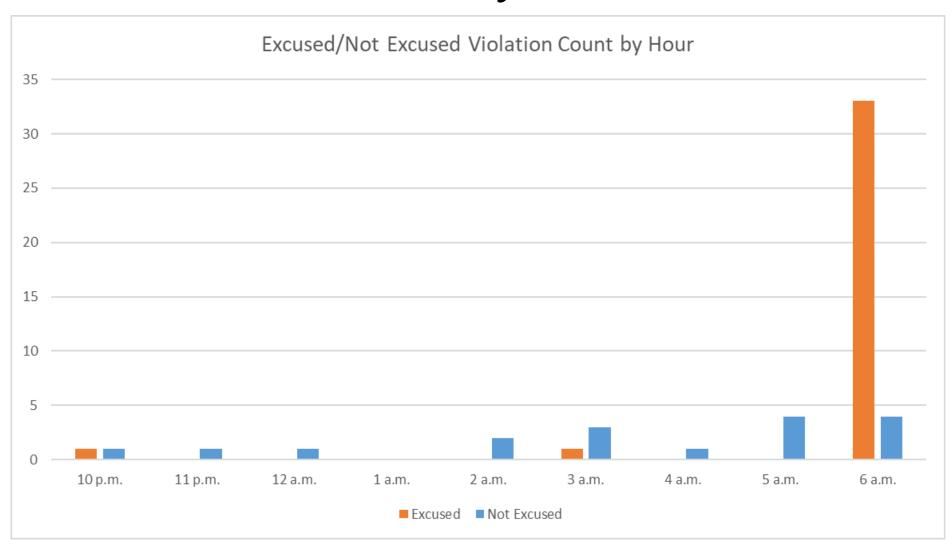
### Night Time Departure NAP

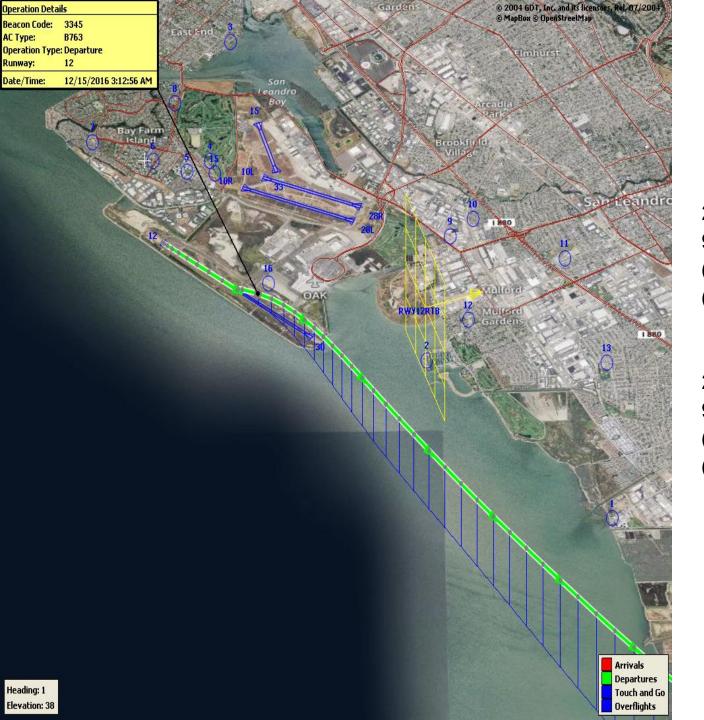
2020Q4 99% Compliance (2,171 total departures) (17 non-compliant)

\*REBAS Gate non-compliant = 16

2019Q4 99% Compliance (3,710 total departures) (52 non-compliant)

# Night Time NAP Non-Compliant Count by Hour



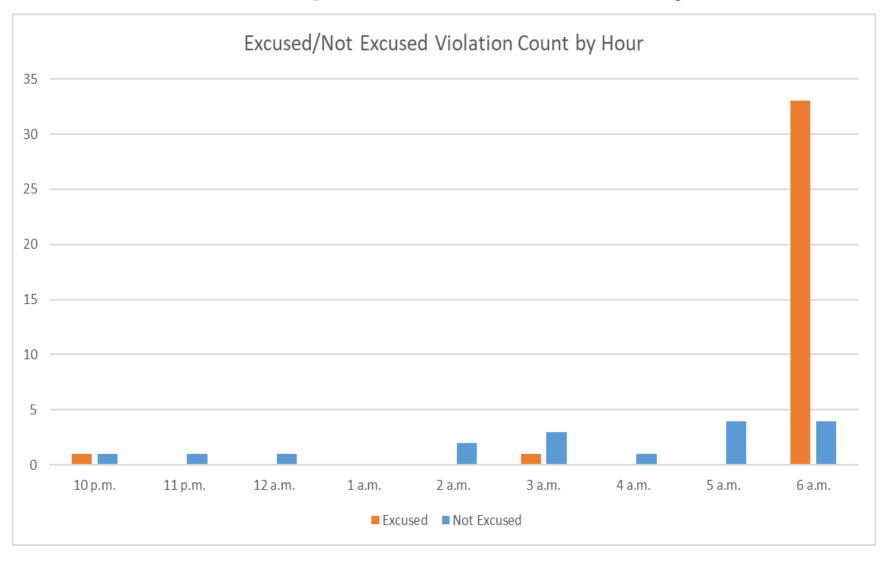


### Runway 12 Night Departure NAP

2020Q4 98% Compliance (56 total departures) (1 non-compliant)

2019Q4 99% Compliance (279 total departures) (3 non-compliant)

# Runway 12 Night Departure Non-Compliant Count by Hour





### Runway 30 Bay Farm Right Turn NAP

2020Q4 100% Compliance (11,927 total departures) (1 non-compliant)

2019Q4 100% Compliance (19,243 total departures) (73 non-compliant)

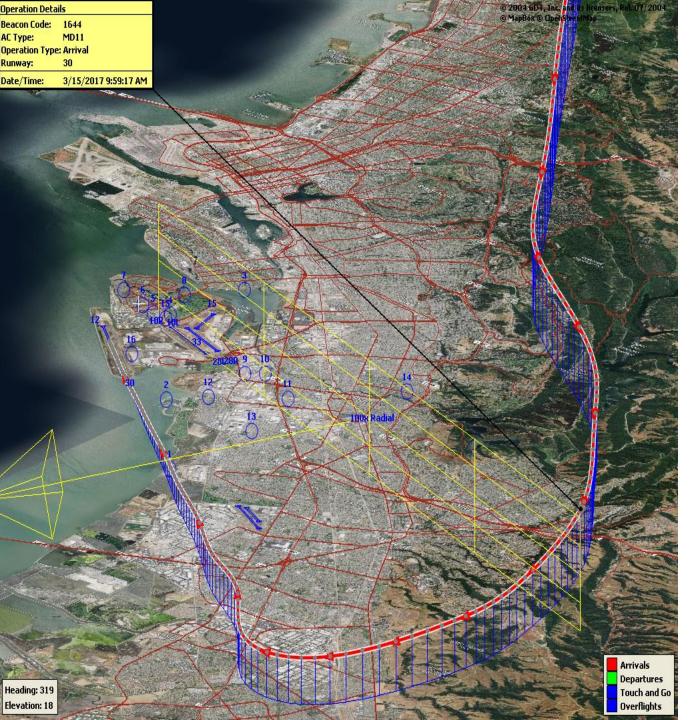


#### Runway 30 East Turn NAP

2020Q4 100% Compliance (4,013 total departures) (4 non-compliant)

\*Excused Departures = 20

2019Q4 99% Compliance (5,279 total departures) (59 non-compliant)



100 Degree Radial At 3,000 ft. NAP

2020Q4 99% Compliance (815 total landings) (10 non-compliant)

2019Q4 99% Compliance (1,256 total landings) (11 non-compliant)

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

### Engine Run-up NAP

2020Q4 100% Compliance (6 engine run-ups)\* (0 non-compliant)

2019Q4 100% Compliance (8 engine run-ups) (0 non-compliant)

\*Only above idle-power run-ups recorded.

#### Compliance Monitoring Quarterly Summary Comparison Fourth Quarter 2020 - Quarter-to-Quarter

	2020Q3		2020Q4	
	Compl.	NC	Compl.	NC
Runway 28R/L Jet Departure Compliance	96%	4%	94%	6%
Total Airport-wide Corporate Jet Departures	2,098	84	2,083	132
Runway 10R/L Jet Landing Compliance	N/A	N/A	84%	16%
Total Southeast Plan Corporate Jet Landings	0	0	46	9
North Field VFR Departure Compliance	93%	7%	92%	8%
Total Runways 28R/L & 33 Departures	236	19	278	24
North Field Quiet Hours Compliance	66%	33%	76%	24%
Total North Field Quiet Hours Departures	123	62	102	32
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 Turbojet Departures	11,698	7	11,926	1
Night Time Departure Compliance	99%	1%	99%	1%
Total Runway 30 Night Turbojet Departures	2,182	32	2,154	17
Runway 12 Night Departure Compliance	N/A	N/A	98%	2%
Total Runway 12 Night Turbojet Departures	0	0	55	1
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%
Total Runway 30 East Turn Departures	4,220	17	4,009	4
100 Degree Radial Turbojet Landing Compliance	98%	2%	99%	1%
Total 100 Degree Radial Turbojet Landings	704	12	805	10
Engine Runup Program Compliance	100%	0%	100%	0%
Total Evening and Nighttime Engine Runups	16	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 = 134

#### Fourth Quarter 2020 (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	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
2	12	2	0.0	0.4%	1	0.0	0.2%	0	0.0	0.0%	15
3	23	6	0.1	1.1%	1	0.0	0.2%	0	0.0	0.0%	30
4	47	44	0.5	7.8%	18	0.2	3.2%	6	0.1	1.1%	115
5	67	17	0.2	3.0%	5	0.1	0.9%	9	0.1	1.6%	98
6	12	11	0.1	1.9%	4	0.0	0.7%	5	0.1	0.9%	32
7	14	5	0.1	0.9%	6	0.1	1.1%	0	0.0	0.0%	25
8	27	8	0.1	1.4%	0	0.0	0.0%	0	0.0	0.0%	35
9	4	4	0.0	0.7%	1	0.0	0.2%	2	0.0	0.4%	11
10	27	8	0.1	1.4%	2	0.0	0.4%	0	0.0	0.0%	37
11	1	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	2
12	1	0	0.0	0.0%	1	0.0	0.2%	0	0.0	0.0%	2
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	235	106	1	0	39	0	0	22	0	0	402

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 129

#### Fourth Quarter 2020 (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
3	23	6	0.1	2.5%	1	0.0	0.4%	0	0.0	0.0%	30
4	47	44	0.5	18.4%	18	0.2	7.5%	6	0.1	2.5%	115
5	67	17	0.2	7.1%	5	0.1	2.1%	9	0.1	3.8%	98
6	12	11	0.1	4.6%	4	0.0	1.7%	5	0.1	2.1%	32
7	14	5	0.1	2.1%	6	0.1	2.5%	0	0.0	0.0%	25
8	27	8	0.1	3.3%	0	0.0	0.0%	0	0.0	0.0%	35
Total	190	91	1.0		34	0.4		20	0.2		335

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 5

#### Fourth Quarter 2020 (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		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	12	2	0.0	0.6%	1	0.0	0.3%	0	0.0	0.0%	15
9	4	4	0.0	1.2%	1	0.0	0.3%	2	0.0	0.6%	11
10	27	8	0.1	2.4%	2	0.0	0.6%	0	0.0	0.0%	37
11	1	1	0.0	0.3%	0	0.0	0.0%	0	0.0	0.0%	2
12	1	0	0.0	0.0%	1	0.0	0.3%	0	0.0	0.0%	2
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	45	15	0.2		5	0.1		2	0.0		67

#### Rolling Take-off Night Departure Procedure (1:00 to 5:00 AM) Fourth Quarter 2020, NMT 2

	Airo Depar	raft tures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)	
		Basel	line (November 200	2) [A]			
DC10/MD10		87	32	69	78	22	
MD11		32	13	70	79	24	
A306		67	21	67	77	25	
	Fourth Quarter 2020 [B]						
	Total [X]	Est. Avg. Monthly [X/3]					
B763	173	58	83	65	75	18	
DC10/MD10	52	17	40	68	77	23	
MD11	202	67	184	67	77	21	
A306	76	25	42	65	74	17	
B757	168	56	88	65	74	15	
B77L	127	42	35	65	74	17	
Difference [A-B]							
DC10/MD10		-70	8	-1	-1	1	
MD11		35	171	-3	-2	-3	
A306		-42	21	-2	-3	-8	

<sup>(</sup>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) Fourth Quarter 2019, NMT 2

	Airc Depai	raft tures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)		
		Basel	line (November 200	)2) [A]				
DC10/MD10		87	32	69	78	22		
MD11		32	13	70	79	24		
A306		67	21	67	77	25		
	Fourth Quarter 2019 [B]							
	Total [X]	Est. Avg. Monthly [X/3]						
B763	131	44	41	66	74	14		
DC10/MD10	46	15	20	66	76	19		
MD11	254	85	134	67	77	18		
A306	92	31	28	66	74	15		
B757	166	55	60	66	74	15		
B77L	101	34	18	65	74	17		
Difference [A-B]								
DC10/MD10		-72	-12	-3	-2	-3		
MD11		53	121	-3	-2	-6		
A306		-36	7	-1	-3	-10		

<sup>(</sup>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.

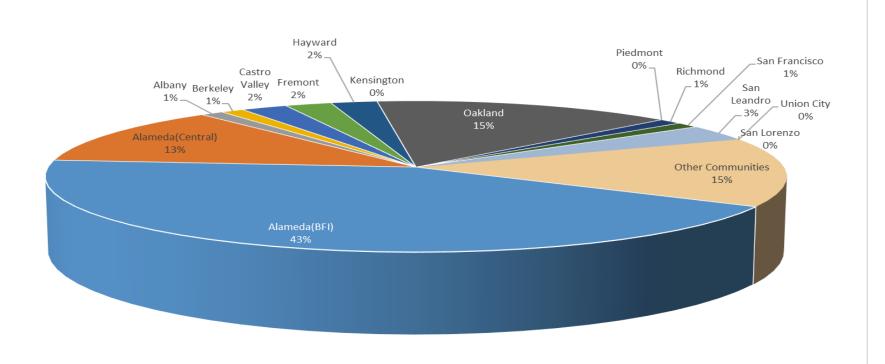
Source: ANOMS (Airport Noise and Operations Monitoring System)

## Oakland International Airport Noise Complaint Summary October 2020 Community Callers

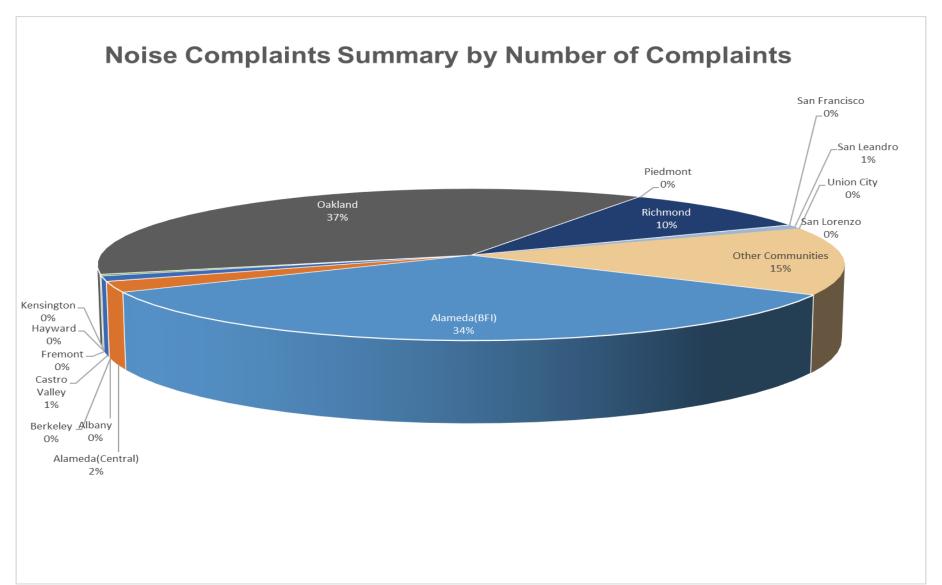
October 2020								
Community	Callers	Complaints						
Alameda(BFI)	38	1733						
Alameda(Central)	11	115						
Albany	1	1						
Berkeley	1	1						
Castro Valley	2	57						
Fremont	2	16						
Hayw ard	2	2						
Kensington	0	0						
Oakland	13	1909						
Piedmont	0	0						
Richmond	1	491						
San Francisco	1	1						
San Leandro	3	42						
Union City	0	0						
San Lorenzo	0	0						
Other Communities	13	741						
Total	88	5109						
Co	mplaints by Type							
Website		0						
E-mail	1	895						
Phone		0						
View point App		214						
Comp	laints by Time of Day							
Day ( 0700 - 1900 )	3	055						
Evening ( 1900 - 2200 )	-	781						
Night ( 2200 - 0700 )		273						
Com plair	nts by Type of Operation							
Arrivals	2150							
Departures	2472							
Over-flights		388						
Touch & Go		99						
Not Linked to an Operation		0						
Compla	ints by Type of Aircraft							
Business Jet	Business Jet 215							
Helicopter	48							
Jet	3	863						
Military		0						
Not Reported (not linked to an aircraft)		0						
Other (Type information not available)	203							
Propeller	588							
Turbo-prop		192						

### Number of Callers October 2020

#### **Noise Complaints Summary by Number of Callers**



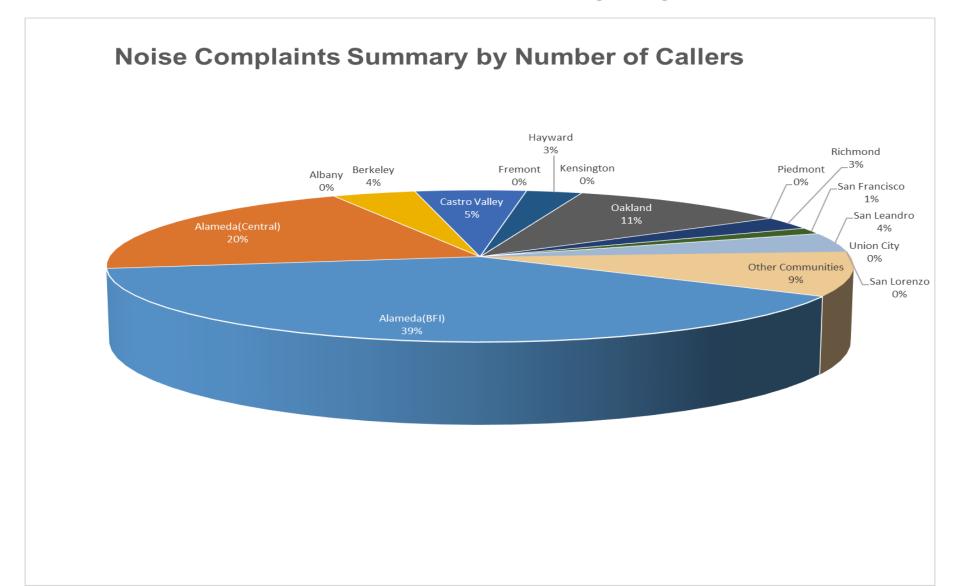
## Number of Complaints October 2020



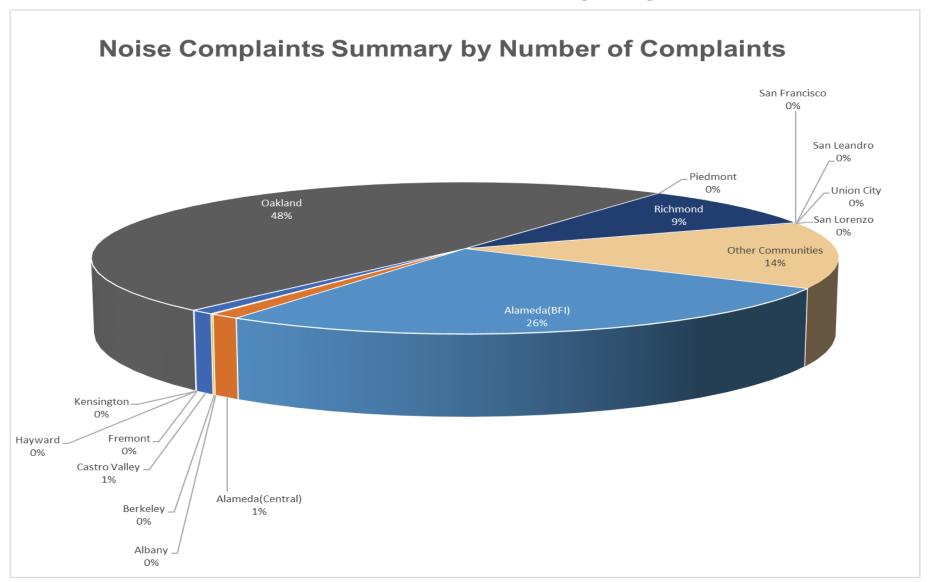
### Oakland International Airport Noise Complaint Summary November 2020

Community	Callers	Complaints							
Alameda(BFI)	29	1949							
Alameda(Central)	15	88							
Albany	0	0							
Berkeley	3	8							
Castro Valley	4	69							
Fremont	0	0							
Hayw ard	2	2							
Kensington	0	0							
Oakland	8	3613							
Piedmont	0	0							
Richmond	2	697							
San Francisco	1	1							
San Leandro	3	7							
Union City	0	0							
San Lorenzo	0	0							
Other Communities	7	1062							
Total	74	7496							
Complaints by Type									
Website	0								
E-mail	;	3349							
Phone		0							
View point App		4147							
Comp	laints by Time of Day								
Day ( 0700 - 1900 )	4	4016							
Evening ( 1900 - 2200 )		1834							
Night ( 2200 - 0700 )		1646							
Complair	nts by Type of Operation								
Arrivals		3708							
Departures		3188							
Over-flights		494							
Touch & Go		106							
Not Linked to an Operation		0							
	ints by Type of Aircraft								
Business Jet		729							
Helicopter	114								
Jet	5474								
Military	0								
Not Reported (not linked to an aircraft)	eraft) 0								
Other (Type information not available)	24								
Propeller	972								
Turbo-prop		183							

### Number of Callers November 2020



## Number of Complaints November 2020

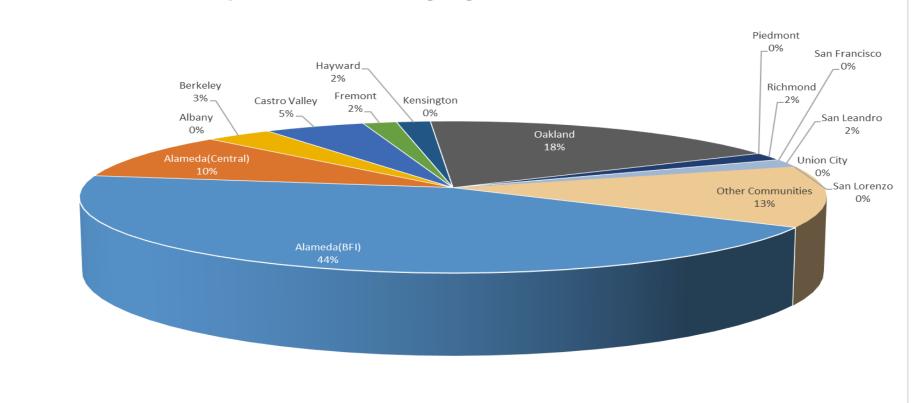


### Oakland International Airport Noise Complaint Summary December 2020

December 2020								
Community	Callers	Complaints						
Alameda(BFI)	27	2100						
Alameda(Central)	6	106						
Albany	0	0						
Berkeley	2	2						
Castro Valley	3	99						
Fremont	1	1						
Hayw ard	1	1						
Kensington	0	0						
Oakland	11	2286						
Piedmont	0	0						
Richmond	1	699						
San Francisco	0	0						
San Leandro	1	3						
Union City	0	0						
San Lorenzo	0	0						
Other Communities	8	469						
Total	61	5766						
Complaints by Type								
Website		0						
E-mail	2	062						
Phone		0						
View point App		704						
Comp	laints by Time of Day							
Day ( 0700 - 1900 )	3	284						
Evening ( 1900 - 2200 )	1	069						
Night ( 2200 - 0700 )	1	413						
Complair	nts by Type of Operation							
Arrivals	2	365						
Departures	2	945						
Over-flights	;	348						
Touch & Go		108						
Not Linked to an Operation		0						
Compla	ints by Type of Aircraft							
Business Jet	siness Jet 199							
Helicopter	65							
Jet	4659							
Military	0							
Not Reported (not linked to an aircraft)	oft) 0							
Other (Type information not available)	28							
Propeller		702						
Turbo-prop		113						

# Number of Callers December 2020

#### **Noise Complaints Summary by Number of Callers**



### Number of Complaints December 2020

