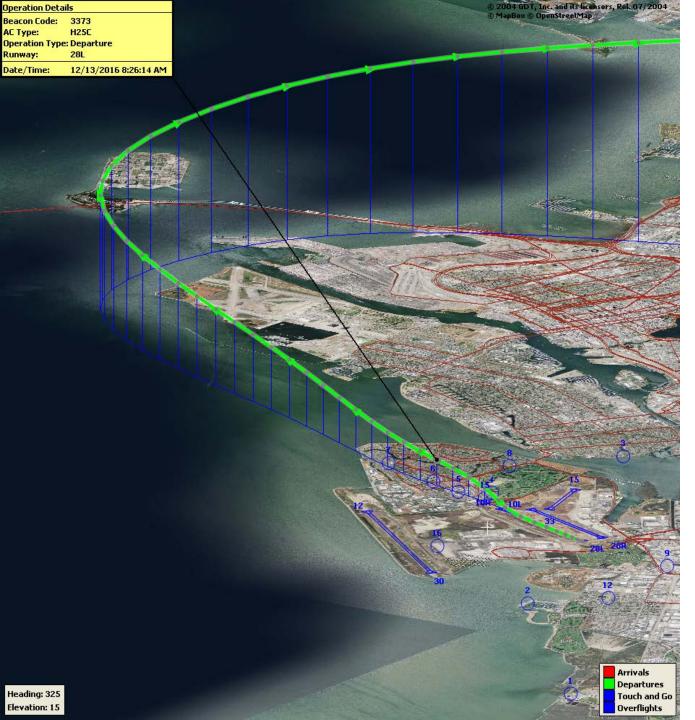
NOISE FORUM SUMMARY

North/South Field Working Groups

NOISE ABATEMENT REPORT FIRST QUARTER 2019

Compliance Monitoring Quarterly Summary Comparison First Quarter 2019						
	201	8Q1	2019Q1			
	Compl.	N/C	Compl.	N/C		
Runway 28R/L Jet Departure Compliance	94%	6%	97%	3%		
Total Airport-wide Corporate Jet Departures	3,141	199	3,461	118		
Runway 10R/L Jet Landing Compliance	68%	32%	74%	26%		
Total Southeast Plan Corporate Jet Landings	189	88	688	241		
North Field VFR Departure Compliance	93%	7%	94%	6%		
Total Runways 28R/L & 33 Departures	362	28	221	13		
North Field Quiet Hours Compliance	80%	20%	60%	40%		
Total North Field Quiet Hours Departures	211	52	144	98		
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 Turbojet Departures	17,067	2	15,343	6		
Night Time Departure Compliance	99%	1%	99%	1%		
Total Runway 30 Night Turbojet Departures	3,040	32	2,811	42		
Runway 12 Night Departure Compliance	99%	1%	93%	7%		
Total Runway 12 Night Turbojet Departures	187	1	609	46		
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 East Turn Departures	4,959	3	4,289	12		
100 Degree Radial Turbojet Landing Compliance	99%	1%	99%	1%		
Total 100 Degree Radial Turbojet Landings	2,578	14	1,148	7		
Engine Runup Program Compliance	100%	0%	100%	0%		
Total Evening and Nighttime Engine Runups	14	0	14	0		
Note: NC means non-compliant. Percentage	/alues are r	ounded ou	t.			



Runway 28R/L Jet Departure NAP

2019Q1 97% Compliance (3,579 total departures) (118 non-compliant)

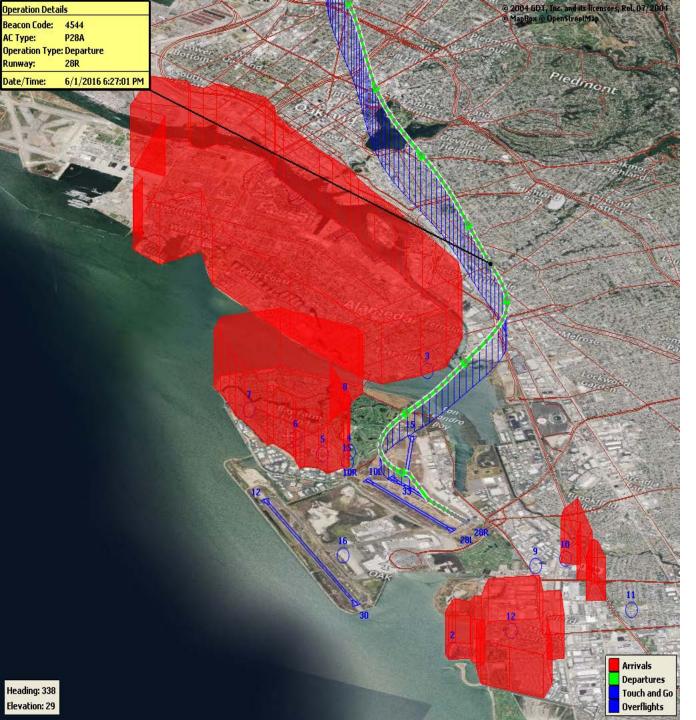
2018Q1 94% Compliance (3,340 total departures) (199 non-compliant)



Runway 10R/L Jet Landing NAP

2019Q1 74% Compliance (929 total landings) (241 non-compliant)

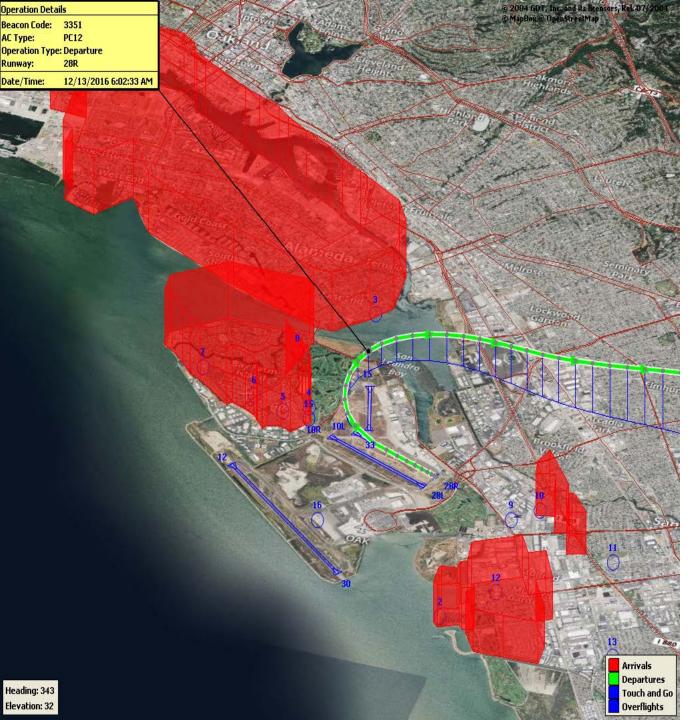
2018Q1 68% Compliance (277 total landings) (88 non-compliant)



VFR Aircraft Departure NAP

2019Q1 94% Compliance (234 total departures) (13 non-compliant)

2018Q1 93% Compliance (390 total departures) (28 non-compliant)

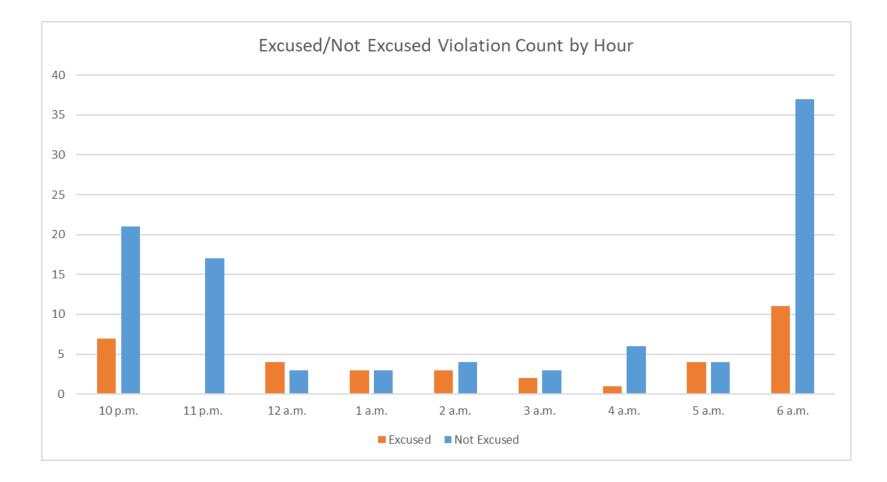


North Field Quiet Hours NAP

2019Q1 60% Compliance (242 total departures) (98 non-compliant)

2018Q1 80% Compliance (263 total departures) (52 non-compliant)

North Field Quiet Hours NAP Non-Compliant by Hour





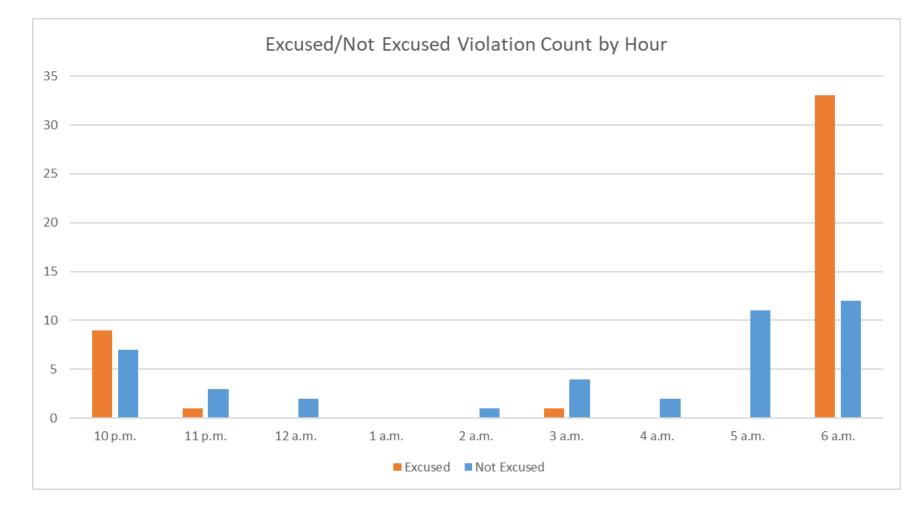
Night Time Departure NAP

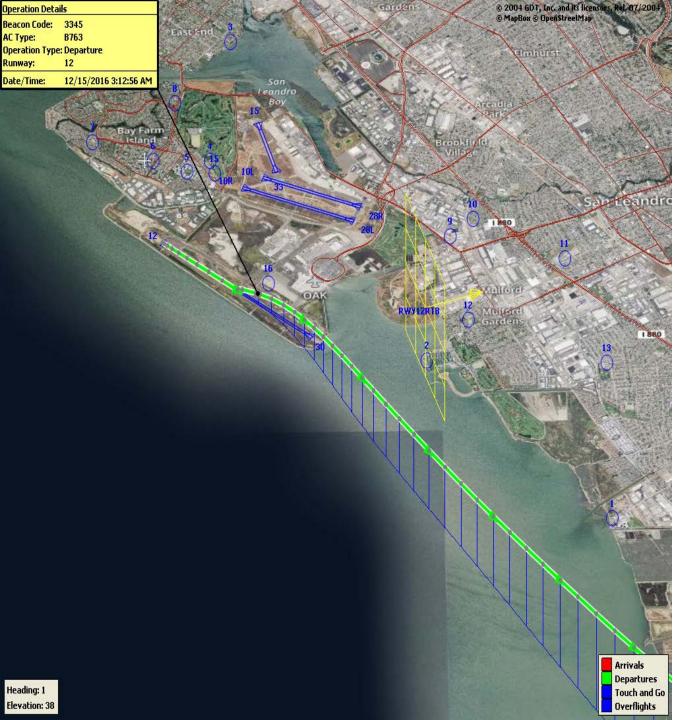
2019Q1 99% Compliance (2,853 total departures) (42 non-compliant)

*REBAS Gate non-compliant = 41

2018Q1 99% Compliance (3,072 total departures) (32 non-compliant)

Night Time NAP Non-Compliant Count by Hour



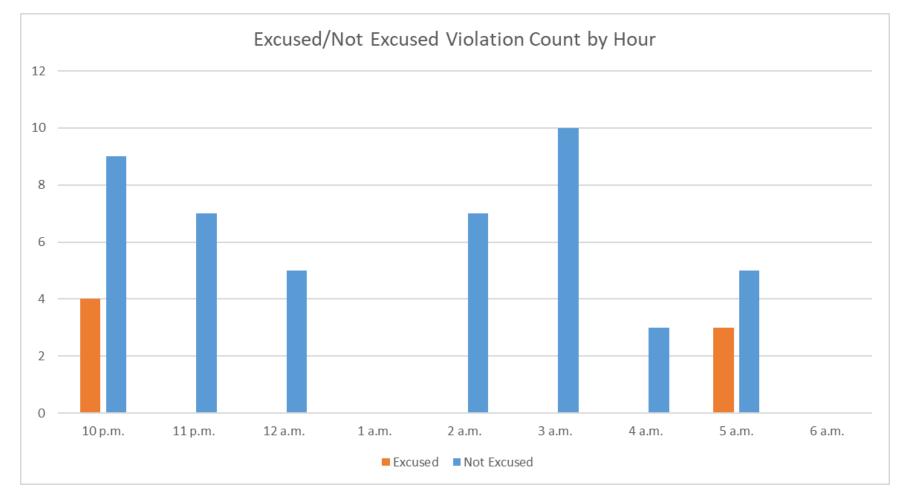


Runway 12 Night Departure NAP

2019Q1 93% Compliance (655 total departures) (46 non-compliant)

2018Q1 99% Compliance (188 total departures) (1 non-compliant)

Runway 12 Night Departure Non-Compliant Count by Hour



Operation Details					
Beacon Code:	3374				
AC Type:	B737				
Operation Type	: Departure				
Runway:	30				
Date/Time:	1/7/2019 8:57:05 AM				

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> Arrivals Departures

Touch and Go

Overflights

Runway 30 Bay Farm Right Turn NAP

2019Q1 100% Compliance (15,349 total departures) (6 non-compliant)

2018Q1 100% Compliance (17,069 total departures) (2 non-compliant)

Heading: 299 Elevation: 36



Runway 30 East Turn NAP

2019Q1 100% Compliance (4,301 total departures) (12 non-compliant)

*2019Q1 Excused Departures = 48

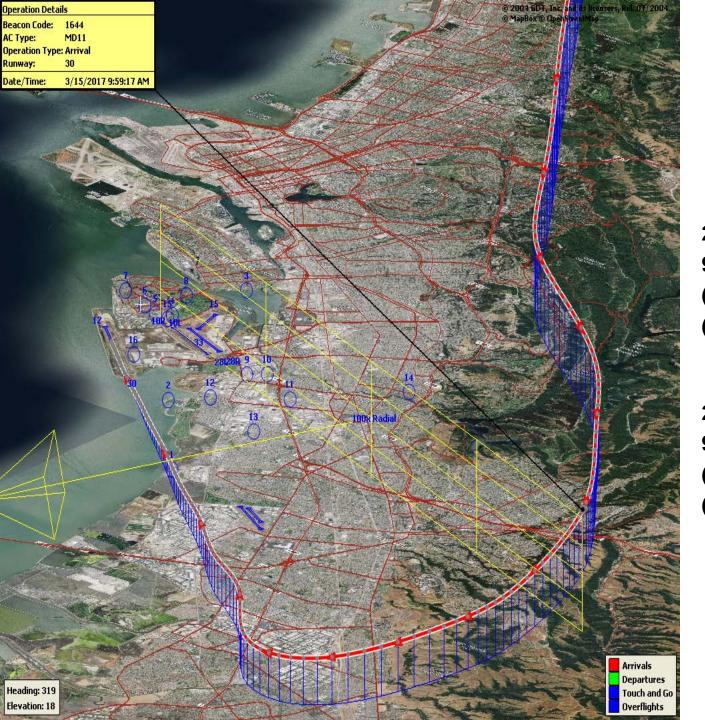
2018Q1 100% Compliance (4,962 total departures) (3 non-compliant)

Arrivals Departures

Touch and Go

Overflights

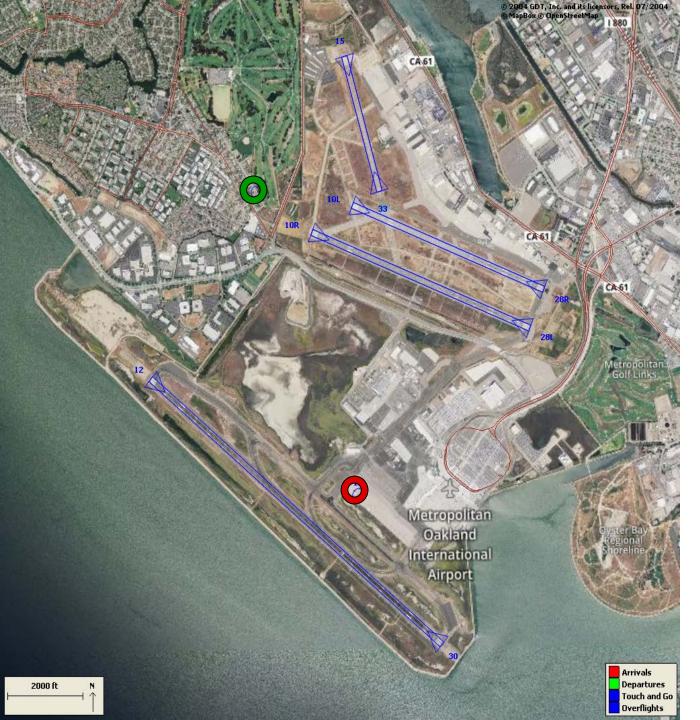




100 Degree Radial At 3,000 ft. NAP

2019Q1 99% Compliance (1,155 total landings) (7 non-compliant)

2018Q1 99% Compliance (2,592 total landings) (14 non-compliant)



Engine Run-up NAP

2019Q1 100% Compliance (14 engine run-ups)* (0 non-compliant)

2018Q1 100% Compliance (14 engine run-ups) (0 non-compliant)

*Only above idle-power run-ups recorded.

	Table 1. North Field Night Aircraft Departure SEL Noise Measurements Total Aircraft Departures = 141										
				First Qua	arter 2019 (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			Ai	Aircraft Noise Events SEL ≥ 90 dBA		
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	8	2	0.0	0.4%	5	0.1	0.9%	0	0.0	0.0%	15
2	26	10	0.1	1.8%	0	0.0	0.0%	0	0.0	0.0%	36
3	29	4	0.0	0.7%	2	0.0	0.4%	1	0.0	0.2%	36
4	51	42	0.5	7.4%	23	0.3	4.1%	3	0.0	0.5%	119
5	43	19	0.2	3.4%	12	0.1	2.1%	4	0.0	0.7%	78
6	21	7	0.1	1.2%	6	0.1	1.1%	4	0.0	0.7%	38
7	9	9	0.1	1.6%	3	0.0	0.5%	1	0.0	0.2%	22
8	28	15	0.2	2.6%	0	0.0	0.0%	0	0.0	0.0%	43
9	18	32	0.4	5.6%	7	0.1	1.2%	2	0.0	0.4%	59
10	52	16	0.2	2.8%	4	0.0	0.7%	1	0.0	0.2%	73
11	7	5	0.1	0.9%	1	0.0	0.2%	1	0.0	0.2%	14
12	27	13	0.1	2.3%	4	0.0	0.7%	0	0.0	0.0%	44
13	8	2	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	10
14	5	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	5
AllNMTs	332	176	2	0	67	1	0	17	0	0	592

Table 2. Aircraft SEL Noise Measurements in Alameda - Total Aircraft Departures = 81											
First Quarter 2019 (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						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
3	29	4	0.0	1.7%	2	0.0	0.8%	1	0.0	0.4%	36
4	51	42	0.5	17.6%	23	0.3	9.6%	3	0.0	1.3%	119
5	43	19	0.2	7.9%	12	0.1	5.0%	4	0.0	1.7%	78
6	21	7	0.1	2.9%	6	0.1	2.5%	4	0.0	1.7%	38
7	9	9	0.1	3.8%	3	0.0	1.3%	1	0.0	0.4%	22
8	28	15	0.2	6.3%	0	0.0	0.0%	0	0.0	0.0%	43
Total	181	96	1.1		46	0.5		13	0.1		336

Table 3. Aircraft SEL Noise Measurements in San Leandro - Total Aircraft Departures = 60

	First Quarter 2019 (10:00 p.m. to 7:00 a.m.)										
NMT	Aircraft Noise	SEL 60 - 64.9 UBA SEL 63 - 69.9 UBA		Α	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
2	26	10	0.1	3.0%	0	0.0	0.0%	0	0.0	0.0%	36
9	18	32	0.4	9.8%	7	0.1	2.1%	2	0.0	0.6%	59
10	52	16	0.2	4.9%	4	0.0	1.2%	1	0.0	0.3%	73
11	7	5	0.1	1.5%	1	0.0	0.3%	1	0.0	0.3%	14
12	27	13	0.1	4.0%	4	0.0	1.2%	0	0.0	0.0%	44
13	8	2	0.0	0.6%	0	0.0	0.0%	0	0.0	0.0%	10
14	5	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	5
Total	143	78	0.9		16	0.2		4	0.0		241

	Airo Depa	craft rtures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duratio (seconds)
	- - - - - - - - - - -		line (November 200	2) [A]		(11111)
DC10/MD10		87	32	69	78	22
MD11		32	13	70	79	24
A306		67	21	67	77	2
1		F	irst Quarter 2019 [[3]		
	Total [X]	Est. Avg. Monthly [X/3]				
B763	109	36	25	65	74	1:
DC10/MD10	44	15	19	66	75	2
MD11	186	62	112	67	76	19
A306	86	29	38	65	74	1
B757	142	47	51	65	75	1
B77L	59	20	16	65	73	1
			Difference [A-B]			
DC10/MD10		-72	-13	-3	-3	-
MD11		30	99	-3	-3	-:
A306		-38	17	-2	-3	-7

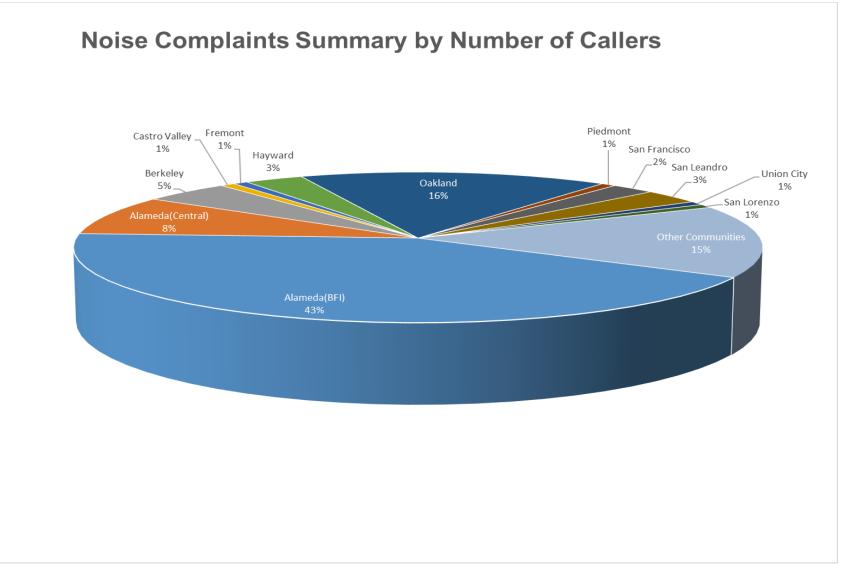
	Aircraft Departures		Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duratior (seconds)
		Basel	ine (November 200	2) [A]		
DC10/MD10		87	32	69	78	22
MD11		32	13	70	79	24
A306		67	21	67	77	25
		F	irst Quarter 2018 [I	3]		
	Total [X]	Est. Avg. Monthly [X/3]				
B763	167	56	37	66	75	17
DC10/MD10	56	19	33	68	77	20
MD11	214	71	104	67	76	18
A306	102	34	38	65	74	1:
B757	164	55	46	65	74	14
B77L	64	21	16	66	76	18
			Difference [A-B]			
DC10/MD10		-68	1	-1	-1	-2
MD11		39	91	-3	-3	-(
A306		-33	17	-2	-3	-12

Source: ANOMS (Airport Noise and Operations Monitoring System)

Oakland International Airport
Noise Complaint Summary
January 2019

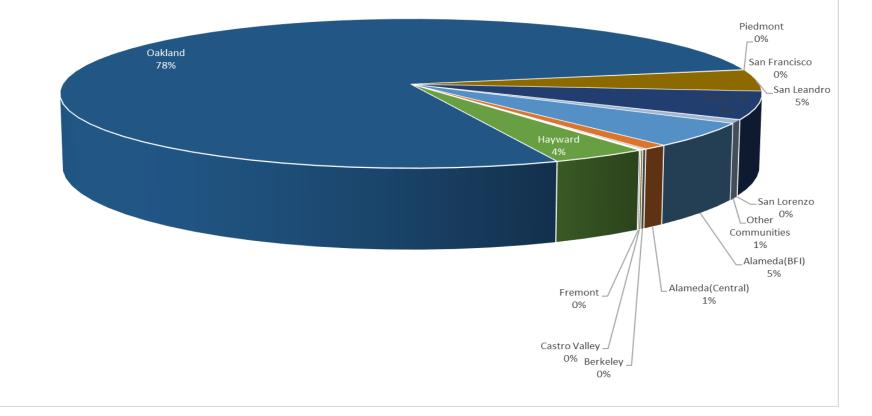
January 2019							
Community	Callers	Complaints					
Alameda(BFI)	55	340					
Alameda(Central)	11	67					
Berkeley	6	11					
Castro Valley	1	7					
Fremont	1	5					
Hayw ard	4	259					
Oakland	21	5049					
Piedmont	1	2					
San Francisco	3	4					
San Leandro	4	302					
Union City	1	392					
San Lorenzo	1	2					
Other Communities	20	51					
Total	129	6491					
Co	omplaints by Type						
Website		513					
E-mail	578						
Phone	400						
Comp	plaints by Time of Day						
Day(0700 - 1900)	1	607					
Evening (1900 - 2200)	1	347					
Night (2200 - 0700)	з	537					
Complair	nts by Type of Operation						
Arrivals	5	339					
Departures	1	137					
Over-flights		3					
Touch & Go		12					
Not Linked to an Operation		0					
Compla	ints by Type of Aircraft						
Business Jet		516					
Helicopter		2					
Jet	5	853					
Military		0					
Not Reported		0					
Other		6					
Propeller		32					
Turbo-prop		82					

Number of Callers January 2019



Number of Complaints January 2019

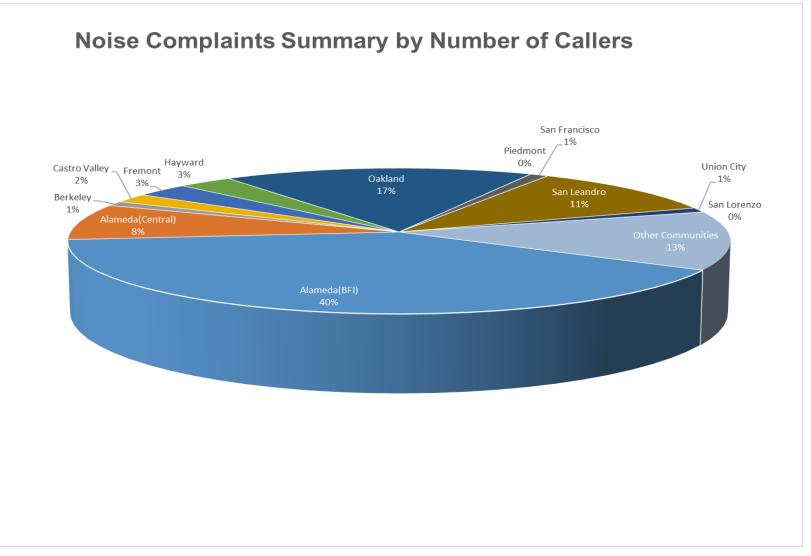
Noise Complaints Summary by Number of Complaints



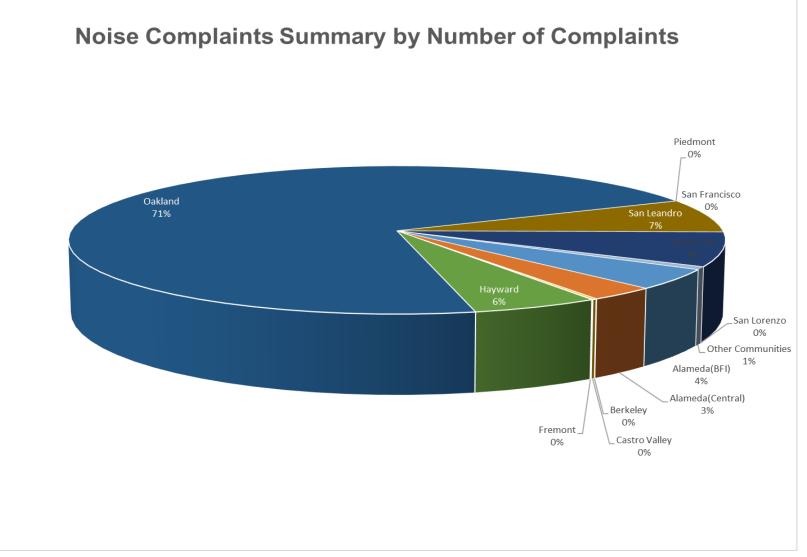
Oakland International Airport
Noise Complaint Summary
February 2019

February 2019						
Community	Callers	Complaints				
Alameda(BFI)	40	224				
Alameda(Central)	8	152				
Berkeley	1	1				
Castro Valley	2	9				
Fremont	3	3				
Hayw ard	3	283				
Oakland	17	3611				
Piedmont	0	0				
San Francisco	1	1				
San Leandro	11	371				
Union City	1	378				
San Lorenzo	0	0				
Other Communities	13	32				
Total	100	5065				
С	omplaints by Type					
Website		471				
E-mail	4161					
Phone	433					
Com	plaints by Time of Day					
Day(0700 - 1900)	1	290				
Evening (1900 - 2200)	1	065				
Night (2200 - 0700)	2710					
Compla	ints by Type of Operation					
Arrivals	3	927				
Departures	1	116				
Over-flights		8				
Touch & Go		14				
Not Linked to an Operation		0				
Compl	aints by Type of Aircraft					
Business Jet	·	190				
Helicopter		4				
Jet	t 4743					
Military		0				
Not Reported		0				
Other		10				
Propeller		37				
Turbo-prop		81				

Number of Callers February 2019



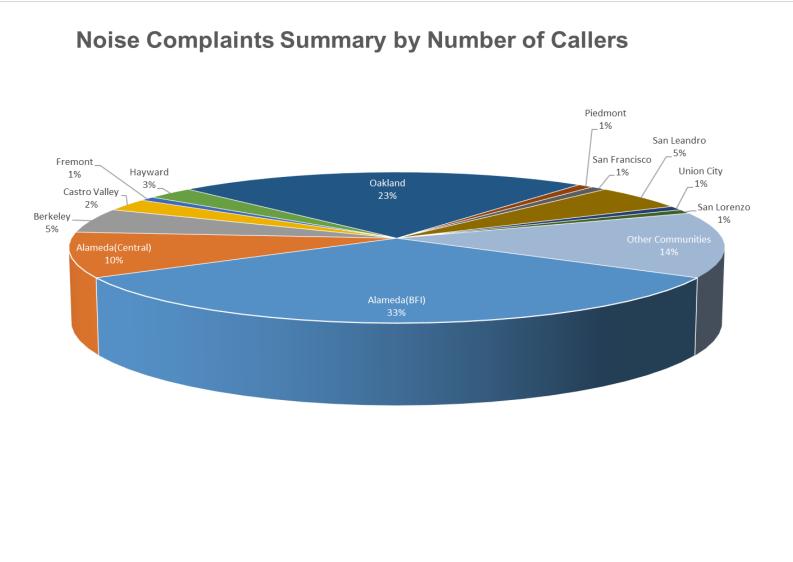
Number of Complaints February 2019



Oakland International Airport
Noise Complaint Summary
March 2019

Watch 2019		
Community	Callers	Complaints
Alameda(BFI)	38	268
Alameda(Central)	11	158
Berkeley	6	13
Castro Valley	3	18
Fremont	1	11
Hayw ard	3	331
Oakland	26	3929
Piedmont	1	1
San Francisco	1	1
San Leandro	6	216
Union City	1	602
San Lorenzo	1	1
Other Communities	16	83
Total	114	5632
Complaints by Type		
Website	729	
E-mail	4677	
Phone	226	
Complaints by Time of Day		
Day(0700 - 1900)	1274	
Evening (1900 - 2200)	455	
Night (2200 - 0700)	3903	
Complaints by Type of Operation		
Arrivals	4941	
Departures	658	
Over-flights	14	
Touch & Go	19	
Not Linked to an Operation	0	
Complaints by Type of Aircraft		
Business Jet	349	
Helicopter	11	
Jet	5138	
Military	0	
Not Reported	0	
Other	28	
Propeller	44	
Turbo-prop	62	

Number of Callers March 2019



Number of Complaints March 2019



