NOISE FORUM SUMMARY

North/South Field Working Groups

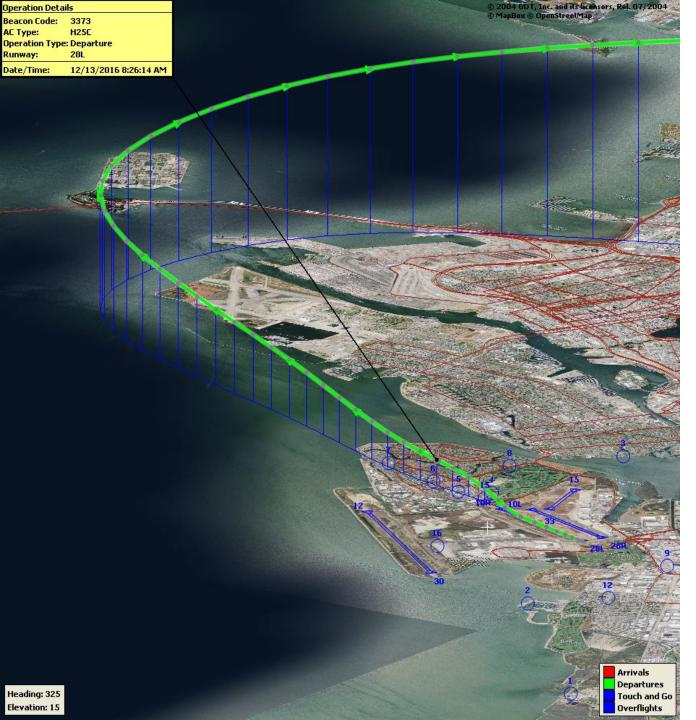
NOISE ABATEMENT REPORT

1.124

100.00

THIRD QUARTER 2021

Compliance Monitoring Quarter Third Quarter	•	ry Compa	rison			
2020Q3 2021Q3						
	Compl.	N/C	Compl.	N/C		
Runway 28R/L Jet Departure Compliance	96%	4%	96%	4%		
Total Airport-wide Corporate Jet Departures	2,098	84	2,596	119		
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	93%	7%	87%	13%		
Total Runways 28R/L & 33 Departures	236	19	180	27		
North Field Quiet Hours Compliance	66%	33%	90%	10%		
Total North Field Quiet Hours Departures	123	62	222	24		
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 Turbojet Departures	11,698	7	15,360	4		
Night Time Departure Compliance	99%	1%	100%	0%		
Total Runway 30 Night Turbojet Departures	2,182	32	2,846	14		
Runway 12 Night Departure Compliance	0%	0%	93%	7%		
Total Runway 12 Night Turbojet Departures	0	0	26	2		
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 East Turn Departures	4,220	17	4,646	15		
100 Degree Radial Turbojet Landing Compliance	98%	2%	98%	2%		
Total 100 Degree Radial Turbojet Landings	704	12	698	11		
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	alues are r	ounded out				



Runway 28R/L Jet Departure NAP

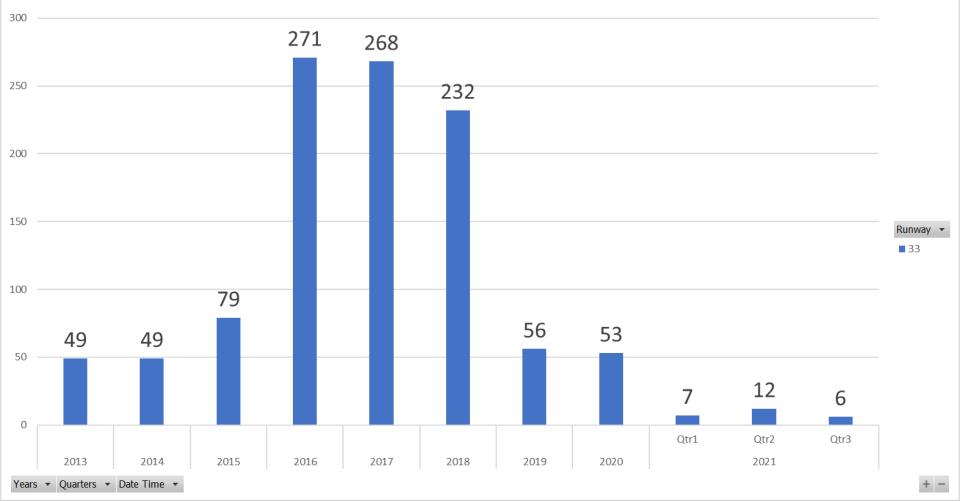
2021Q3 96% Compliance (2,715 total departures) (119 non-compliant)

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

RUNWAY 33 JET DEPARTURES Second Quarter 2021

Count of Aircraft Type

Runway 33 Jet Departure Trend Analysis

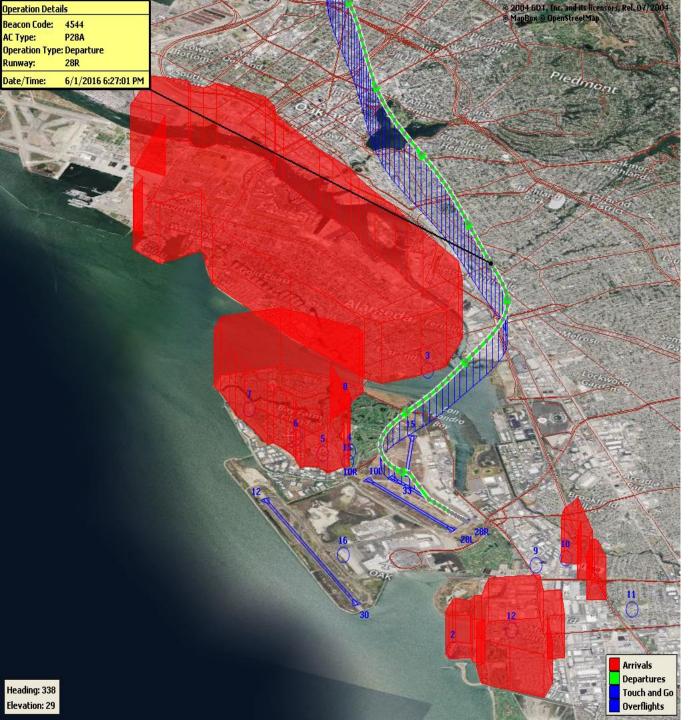




Runway 10R/L Jet Landing NAP

2021Q3 N/A Compliance (0 total landings) (0 non-compliant)

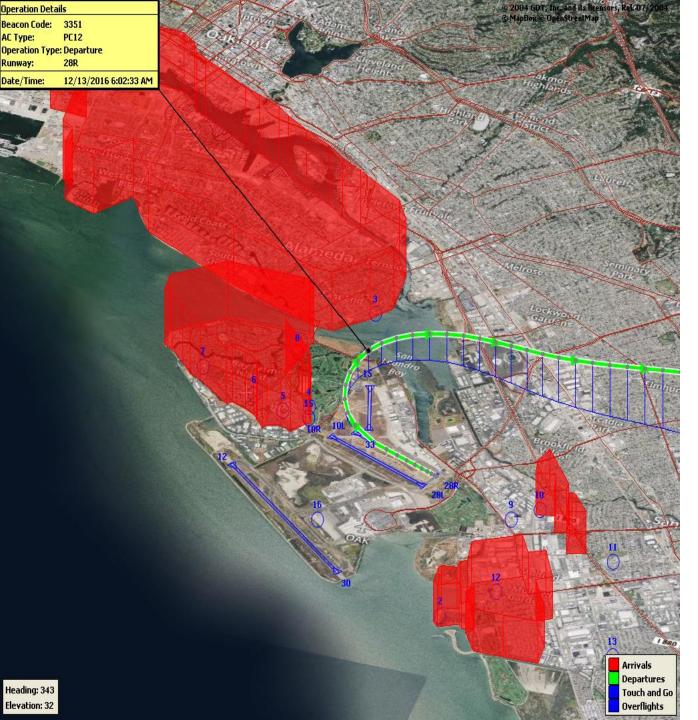
2020Q3 N/A Compliance (0 total landings) (0 non-compliant)



VFR Aircraft Departure NAP

2021Q3 87% Compliance (207 total departures) (27 non-compliant)

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

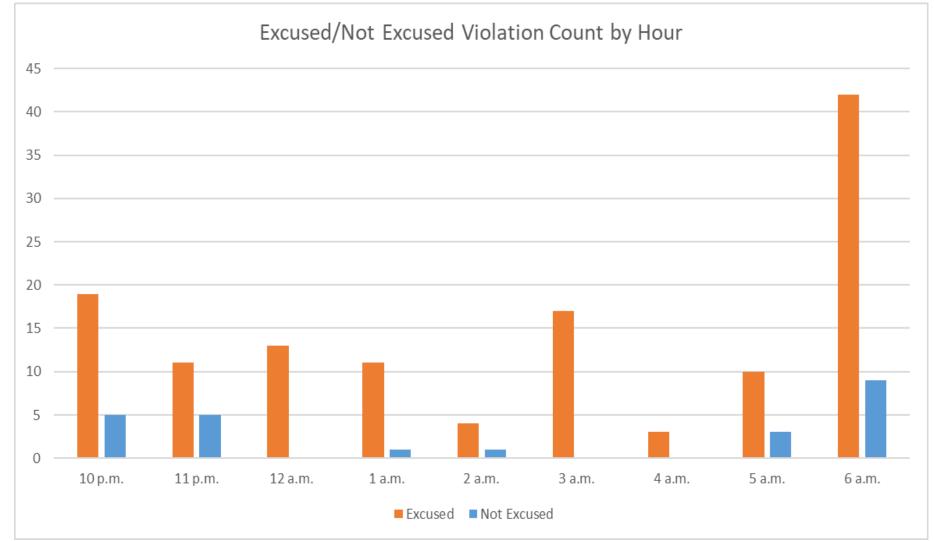


North Field Quiet Hours NAP

2021Q3 90% Compliance (246 total departures) (24 non-compliant)

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

North Field Quiet Hours NAP Non-Compliant by Hour





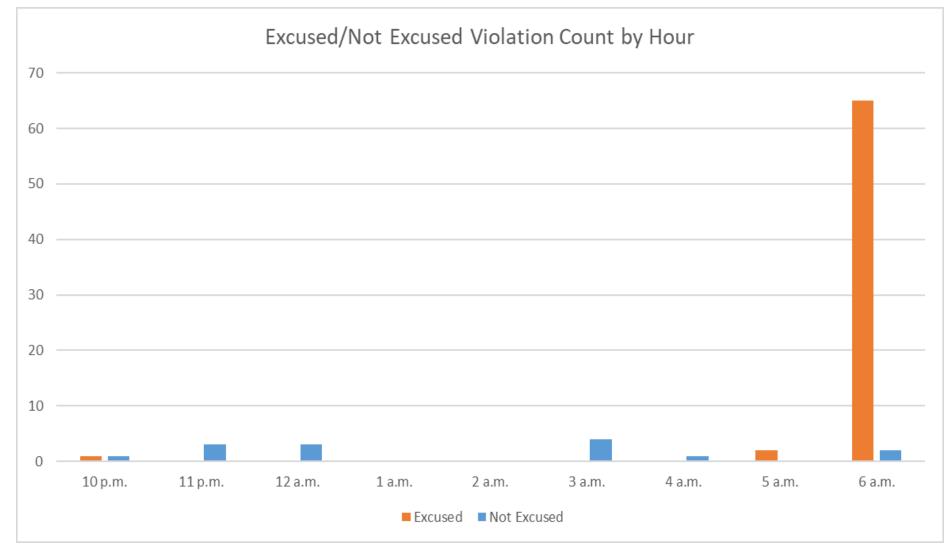
Night Time Departure NAP

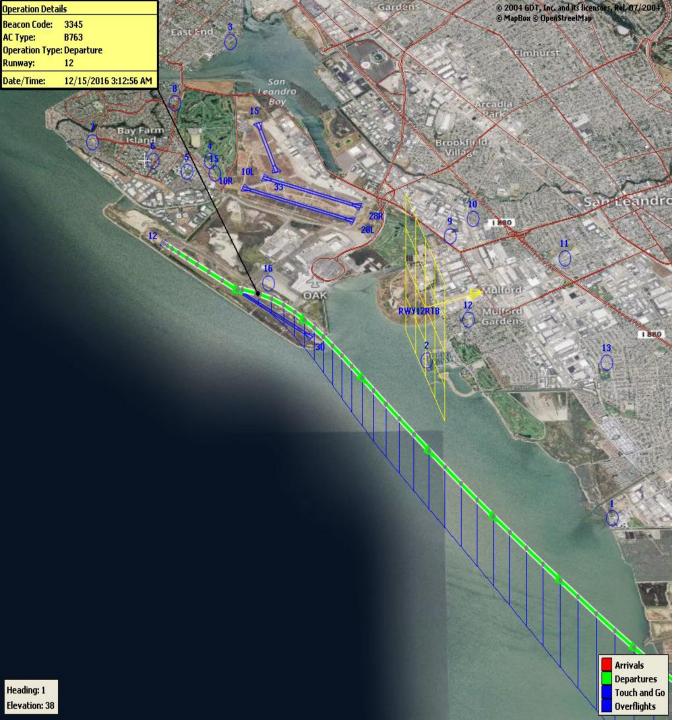
2021Q3 100% Compliance (2,860 total departures) (14 non-compliant)

*REBAS Gate non-compliant = 12

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

Night Time NAP Non-Compliant Count by Hour



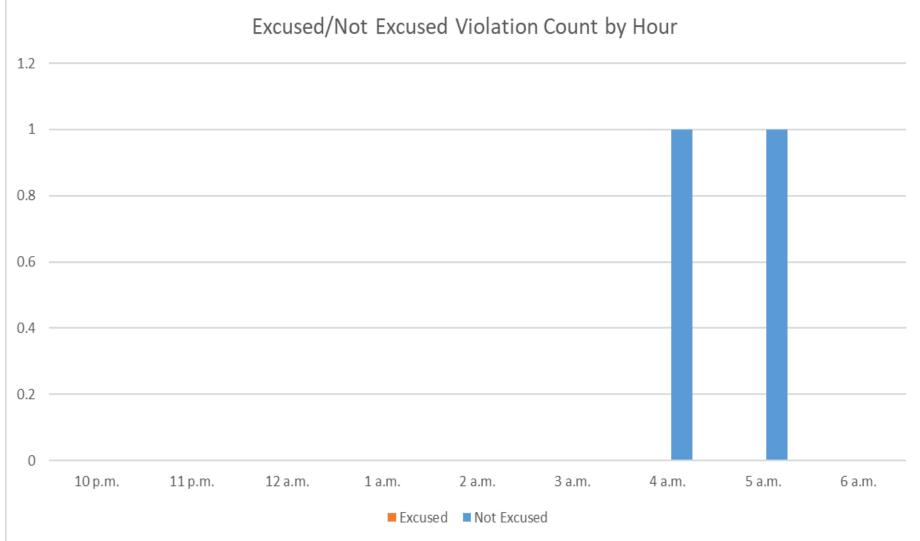


Runway 12 Night Departure NAP

2021Q3 93% Compliance (28 total departures) (2 non-compliant)

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

Runway 12 Night Departure Non-Compliant Count by Hour





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> Arrivals Departures

Touch and Go

Overflights

Runway 30 Bay Farm Right Turn NAP

2021Q3 100% Compliance (15,364 total departures) (4 non-compliant)

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

Heading: 299 Elevation: 36



Runway 30 East Turn NAP

2021Q3 100% Compliance (4,661 total departures) (15 non-compliant)

*Excused Departures = 49

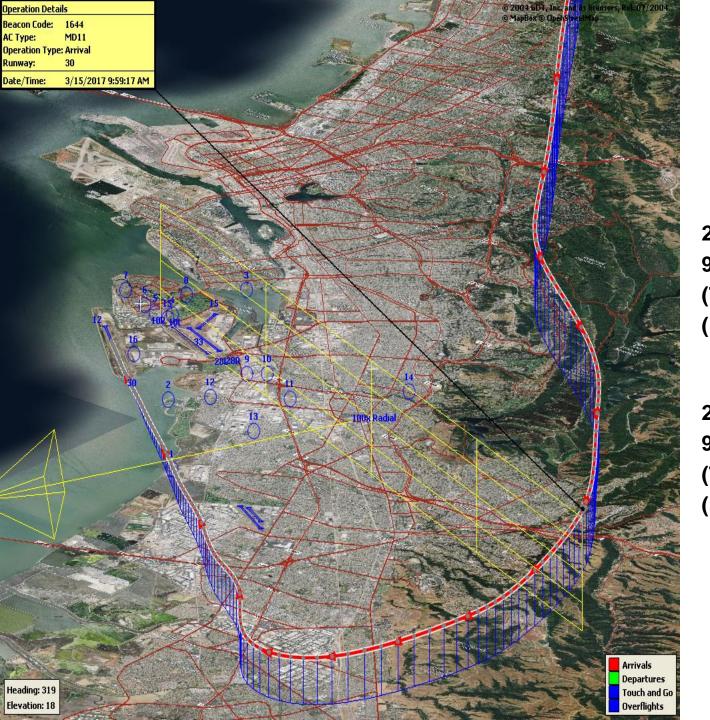
Arrivals Departures

Touch and Go

Overflights

2020Q3 100% Compliance (4,237 total departures) (17 non-compliant)

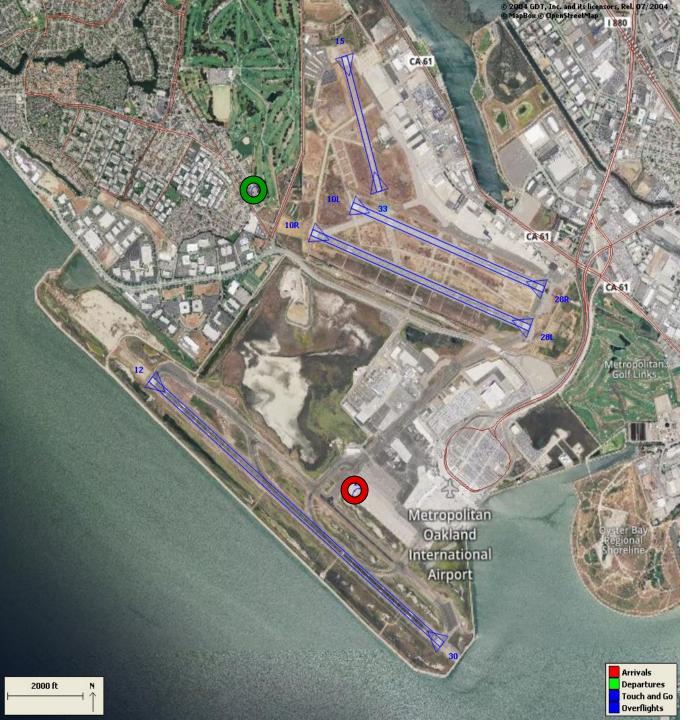
Heading: 328 Elevation: 21



100 Degree Radial At 3,000 ft. NAP

2021Q2 98% Compliance (709 total landings) (11 non-compliant)

2020Q2 98% Compliance (716 total landings) (12 non-compliant)



Engine Run-up NAP

2021Q3 100% Compliance (6 engine run-ups)* (0 non-compliant)

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

*Only above idle-power run-ups recorded.

Compliance Monitoring Quarterly Summary Comparison Third Quarter 2021 - Quarter-to-Quarter						
	2021Q2 2021Q3					
	Compl. N/C					
Runway 28R/L Jet Departure Compliance	95%	5%	96%	4%		
Total Airport-wide Corporate Jet Departures	2,610	146	2,596	119		
Runway 10R/L Jet Landing Compliance	100%	0%	N/A	N/A		
Total Southeast Plan Corporate Jet Landings	2	0	0	0		
North Field VFR Departure Compliance	96%	4%	87%	13%		
Total Runways 28R/L & 33 Departures	278	11	180	27		
North Field Quiet Hours Compliance	89%	11%	90%	10%		
Total North Field Quiet Hours Departures	164	20	222	24		
Runway 30 BFI Right Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 Turbojet Departures	14,590	0	15,360	4		
Night Time Departure Compliance	99%	1%	100%	0%		
Total Runway 30 Night Turbojet Departures	2,676	21	2,846	14		
Runway 12 Night Departure Compliance	N/A	N/A	93%	7%		
Total Runway 12 Night Turbojet Departures	0	0	26	2		
Runway 30 East Turn Departure Compliance	100%	0%	100%	0%		
Total Runway 30 East Turn Departures	4,449	17	4,646	15		
100 Degree Radial Turbojet Landing Compliance	98%	2%	98%	2%		
Total 100 Degree Radial Turbojet Landings	723	12	698	11		
Engine Runup Program Compliance	100%	0%	100%	0%		
Total Evening and Nighttime Engine Runups	4	0	6	0		
Note: NC means non-compliant. Percentage va	lues are ro	unded out.				

	Table 1. North Field Night Aircraft Departure SEL Noise Measurements Total Aircraft Departures = 121										
	Third 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 ≥ 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	5	1	0.0	0.2%	0	0.0	0.0%	1	0.0	0.2%	7
3	26	1	0.0	0.2%	0	0.0	0.0%	0	0.0	0.0%	27
4	24	35	0.4	6.2%	24	0.3	4.2%	26	0.3	4.6%	109
5	35	11	0.1	1.9%	20	0.2	3.5%	35	0.4	6.2%	101
6	12	15	0.2	2.6%	22	0.2	3.9%	22	0.2	3.9%	71
7	18	26	0.3	4.6%	21	0.2	3.7%	0	0.0	0.0%	65
8	19	14	0.2	2.5%	0	0.0	0.0%	0	0.0	0.0%	33
9	1	0	0.0	0.0%	2	0.0	0.4%	0	0.0	0.0%	3
10	12	3	0.0	0.5%	0	0.0	0.0%	0	0.0	0.0%	15
11	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
12	1	1	0.0	0.2%	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	0.0%	0
14	0	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0
AllNMTs	153	107	1	0	89	1	0	84	1	0	433

				Third Qua	rter 2021 (1	10:00 p.m. t	o 7:00 a.m.)				
NMT	Aircraft Noise Events Below	SEL 80 - 84.9 UBA			aft Noise SEL 80 - 84.9 dBA 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	26	1	0.0	0.4%	0	0.0	0.0%	0	0.0	0.0%	27
4	24	35	0.4	14.6%	24	0.3	10.0%	26	0.3	10.9%	109
5	35	11	0.1	4.6%	20	0.2	8.4%	35	0.4	14.6%	101
6	12	15	0.2	6.3%	22	0.2	9.2%	22	0.2	9.2%	71
7	18	26	0.3	10.9%	21	0.2	8.8%	0	0.0	0.0%	65
				E 09/			0.0%			0.0%	33
8	19	14	0.2	5.9%	0	0.0	0.0%	0	0.0	0.0%	
8 Total	19 134	102	1.1		87	1.0	ndro - Total Air	83	0.9		406
	-	102	1.1	EL Noise Measu	87 rements i	1.0 n San Lea		83	0.9		
	134 Aircraft Noise	102 Table 3.	1.1	EL Noise Measu Third Qua e Events	87 Irements i rter 2021 (*	1.0 n San Lea	ndro - Total Air o 7:00 a.m.) e Events	83 craft Depa	0.9	e Events	
Total	134	102 Table 3.	1.1 Aircraft SI	EL Noise Measu Third Qua e Events	87 Irements i rter 2021 (*	1.0 n San Lea 10:00 p.m. t ircraft Noise	ndro - Total Air o 7:00 a.m.) e Events	83 craft Depa	0.9 artures = 3 ircraft Nois	e Events	406 Total
Total	134 Aircraft Noise Events Below	102 Table 3 A	1.1 Aircraft SI ircraft Noise SEL 80 - 84 Nightly	EL Noise Measu Third Qua e Events .9 dBA As Percentage	87 Irements i rter 2021 (* A	1.0 n San Lea 10:00 p.m. t ircraft Noise SEL 85 - 89 Nightly	ndro - Total Air o 7:00 a.m.) e Events .9 dBA As Percentage	83 craft Depa	0.9 artures = 3 ircraft Noise SEL ≥ 90 Nightly	e Events dBA As Percentage	406 Total Aircraft Noise
Total NMT Number	134 Aircraft Noise Events Below SEL 80 dBA	102 Table 3. A Amount	1.1 Aircraft SI ircraft Noise SEL 80 - 84 Nightly Average	EL Noise Measu Third Qua e Events .9 dBA As Percentage of Departures	87 rrements in rter 2021 (7 A Amount	1.0 n San Lea 10:00 p.m. t ircraft Noise SEL 85 - 89 Nightly Average	ndro - Total Air o 7:00 a.m.) e Events .9 dBA As Percentage of Departures	83 craft Depa A Amount	0.9 artures = 3 ircraft Noise SEL ≥ 90 Nightly Average	e Events dBA As Percentage of Departures	406 Total Aircraft Noise Events
Total NMT Number 2	134 Aircraft Noise Events Below SEL 80 dBA 5	102 Table 3. A Amount	1.1 Aircraft SI ircraft Noise SEL 80 - 84 Nightly Average 0.0	EL Noise Measu Third Qua e Events .9 dBA As Percentage of Departures 0.3%	87 rrements i rter 2021 (1 A Amount 0	1.0 n San Lea l 0:00 p.m. t ircraft Noise SEL 85 - 89 Nightly Average 0.0	ndro - Total Air o 7:00 a.m.) e Events .9 dBA As Percentage of Departures 0.0%	83 craft Depa A Amount	0.9 artures = 3 ircraft Noise SEL ≥ 90 Nightly Average 0.0	e Events dBA As Percentage of Departures 0.3%	406 Total Aircraft Noise Events 7
Total NMT Number 2 9	134 Aircraft Noise Events Below SEL 80 dBA 5 1	102 Table 3 A Amount 1 0	1.1 Aircraft SI ircraft Noise SEL 80 - 84 Nightly Average 0.0 0.0	EL Noise Measu Third Qua e Events .9 dBA As Percentage of Departures 0.3% 0.0%	87 rrements i rter 2021 (* A Amount 0 2	1.0 n San Lea l0:00 p.m. t ircraft Noise SEL 85 - 89 Nightly Average 0.0 0.0	ndro - Total Air o 7:00 a.m.) e Events .9 dBA As Percentage of Departures 0.0% 0.6%	83 craft Depa A Amount	0.9 artures = 3 ircraft Noise SEL ≥ 90 Nightly Average 0.0 0.0	E Events dBA As Percentage of Departures 0.3% 0.0%	406 Total Aircraft Noise Events 7 3
NMT Number 2 9 10	134 Aircraft Noise Events Below SEL 80 dBA 5 1 1 12	102 Table 3 A Amount 1 0 3	1.1 Aircraft SI ircraft Noise SEL 80 - 84 Nightly Average 0.0 0.0 0.0	EL Noise Measu Third Qua e Events .9 dBA As Percentage of Departures 0.3% 0.0% 0.9%	87 rements in rter 2021 (1 A Amount 0 2 0	1.0 n San Lea 10:00 p.m. t ircraft Noise SEL 85 - 89 Nightly Average 0.0 0.0 0.0	ndro - Total Air o 7:00 a.m.) e Events .9 dBA As Percentage of Departures 0.0% 0.6% 0.0%	83 craft Depa A Amount	0.9 artures = 3 ircraft Noise SEL ≥ 90 Nightly Average 0.0 0.0 0.0	e Events dBA As Percentage of Departures 0.3% 0.0% 0.0%	406 Total Aircraft Noise Events 7 3 15
Total NMT Number 2 9 10 11	134Aircraft Noise Events Below SEL 80 dBA51120	102 Table 3 A Amount 1 0 3 0	1.1 Aircraft SI ircraft Noise SEL 80 - 84 Nightly Average 0.0 0.0 0.0 0.0 0.0 0.0 0.0	EL Noise Measu Third Qua e Events .9 dBA As Percentage of Departures 0.3% 0.0% 0.9% 0.0%	87 rements i rter 2021 (* A Amount 0 2 0 0	1.0 n San Lea 10:00 p.m. t ircraft Noise SEL 85 - 89 Nightly Average 0.0 0.0 0.0 0.0	ndro - Total Air o 7:00 a.m.) e Events .9 dBA As Percentage of Departures 0.0% 0.6% 0.0% 0.0%	83 craft Depa A Amount 1 0 0 0	0.9 artures = 3 ircraft Noise SEL ≥ 90 Nightly Average 0.0 0.0 0.0 0.0 0.0	Events dBA As Percentage of Departures 0.3% 0.0% 0.0% 0.0%	406 Total Aircraft Noise Events 7 3 15 0
Total NMT Number 2 9 10 11 12	134Aircraft Noise Events Below SEL 80 dBA511201	102 Table 3 A Amount 1 0 3 0 1	1.1 Aircraft SI ircraft Noise SEL 80 - 84 Nightly Average 0.0 0.0 0.0 0.0 0.0 0.0	EL Noise Measu Third Qua e Events .9 dBA As Percentage of Departures 0.3% 0.0% 0.9% 0.0% 0.3%	87 rements i rter 2021 (* A Amount 0 2 0 0 0 0 0	1.0 n San Lea 10:00 p.m. t ircraft Noise SEL 85 - 89 Nightly Average 0.0 0.0 0.0 0.0 0.0	ndro - Total Air o 7:00 a.m.) e Events .9 dBA As Percentage of Departures 0.0% 0.6% 0.0% 0.0% 0.0%	83 craft Depa A Amount 1 0 0 0 0	0.9 artures = 3 ircraft Noise SEL ≥ 90 Nightly Average 0.0 0.0 0.0 0.0 0.0 0.0	E Events dBA As Percentage of Departures 0.3% 0.0% 0.0% 0.0% 0.0%	406 Total Aircraft Noise Events 7 3 15 0 2

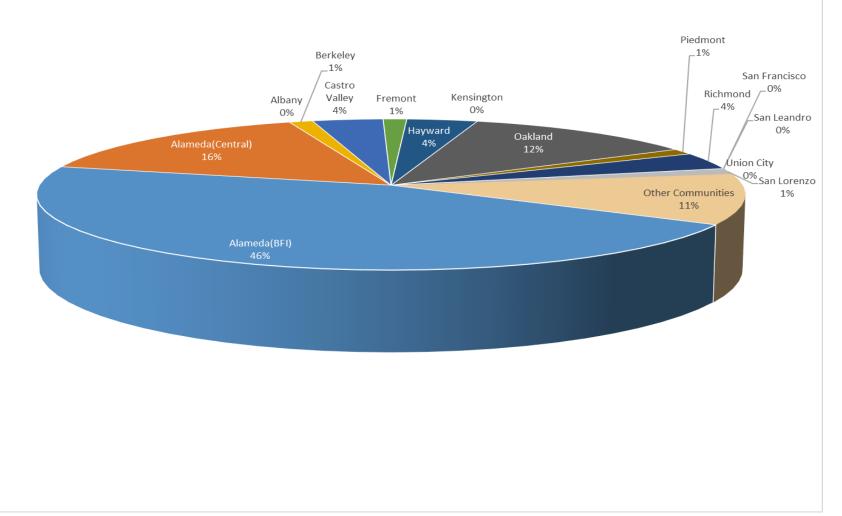
			Departure Proce d Quarter 2021, N	•	,,	
	Airc Depai		Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duration (seconds)
	·	Basel	line (November 200	2) [A]		
DC10/MD10		87	32	69	78	22
MD11		32	13	70	79	24
A306		67	21	67	77	25
		Т	hird Quarter 2021 [B]		
	Total [X]	Est. Avg. Monthly [X/3]				
B763	267	89	16	67	74	11
DC10/MD10	39	13	8	67	75	13
MD11	228	76	70	66	75	16
A306	16	5	-	-	-	-
B757	165	55	15	-	73	12
B77L	150	50	7	68	76	15
	•		Difference [A-B]			
DC10/MD10		-74	-24	-2	-3	-9
MD11		44	57	-4	-4	-8
A306		-62	-21	-67	-77	-25

Г						
	Airc Depar	raft tures	Recorded Noise Events (a)	Lmax Average	SEL Average	Avg. Duratio (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	2
		Т	hird Quarter 2020 [B]		
	Total [X]	Est. Avg. Monthly [X/3]				
B763	186	62	11	65	73	1:
DC10/MD10	48	16	9	65	73	1:
MD11	205	68	42	65	74	14
A306	100	33	3	70	79	2
B757	149	50	5	70	74	1.
B77L	126	42	2	76	80	1:
			Difference [A-B]			
DC10/MD10		-71	-23	-4	-5	-1
MD11		36	29	-5	-5	-1
A306		-34	-18	3	2	

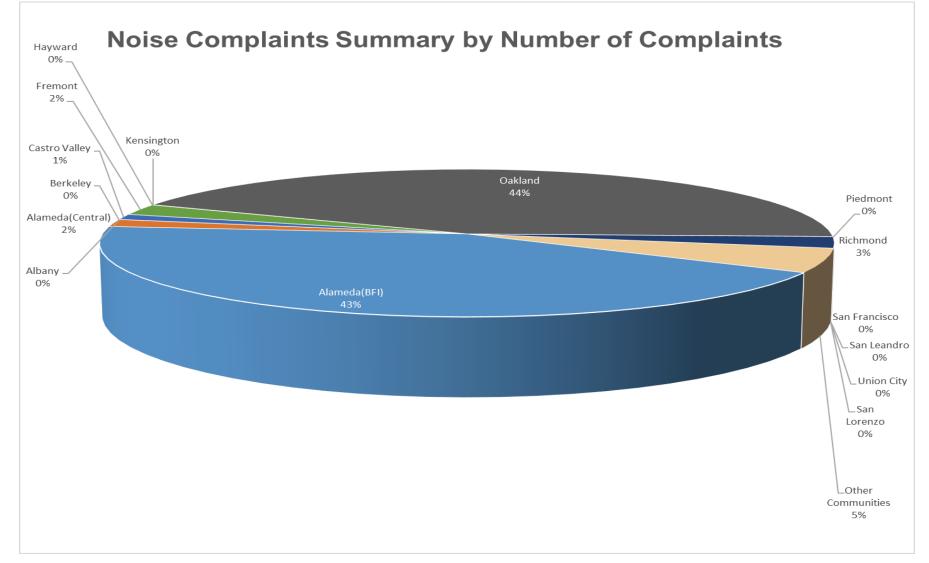
Oakland International Airport Noise Complaint Summary July 2021					
Community	Callers	Complaints			
Alameda(BFI)	38	2434			
Alameda(Central)	13	90			
Albany	0	0			
Berkeley	1	1			
Castro Valley	3	68			
Fremont	1	135			
Hayw ard	3	3			
Kensington	0	0			
Oakland	10	2450			
Piedmont	1	1			
Richmond	3	141			
San Francisco	0	0			
San Leandro	0	0			
Union City	0	0			
San Lorenzo	1	1			
Other Communities	9	294			
Total	83	5618			
Con	nplaints by Type				
Website		0			
E-mail	2	784			
Phone		0			
View point App	2	834			
	ints by Time of Day				
Day (0700 - 1900)	24	441			
Evening (1900 - 2200)	10	063			
Night (2200 - 0700)		114			
	s by Type of Operation				
Arrivals		636			
Departures	2	804			
Over-flights	:	56			
Touch & Go	122				
Not Linked to an Operation		0			
Complaints by Type of Aircraft					
Business Jet					
Helicopter	:	52			
Jet	4	676			
Military		0			
Not Reported (not linked to an aircraft)		0			
Other (Type information not available)		5			
Propeller	4	134			
Turbo-prop		83			

Number of Callers July 2021

Noise Complaints Summary by Number of Callers

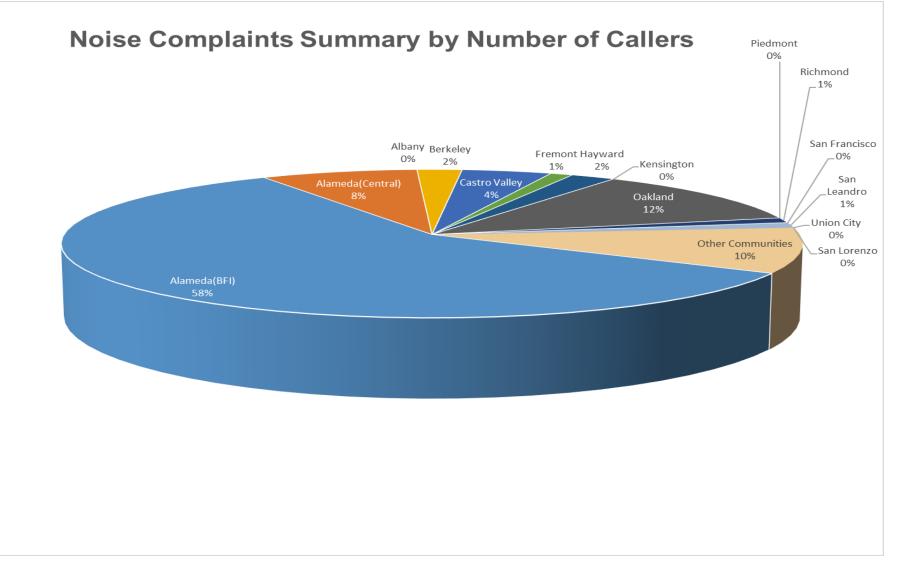


Number of Complaints July 2021

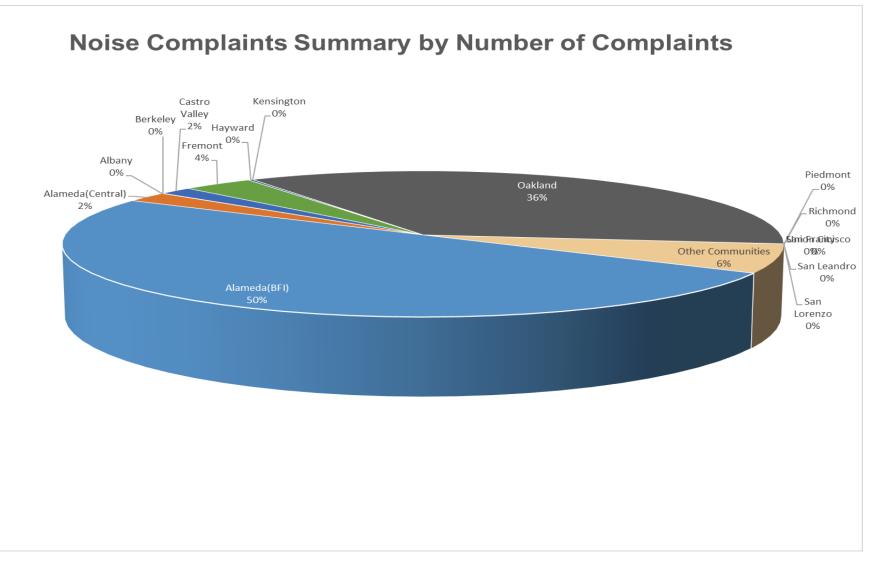


Oakland International Airport Noise Complaint Summary August 2021					
Community	Callers	Complaints			
Alameda(BFI)	53	2901			
Alameda(Central)	7	128			
Albany	0	0			
Berkeley	2	3			
Castro Valley	4	97			
Fremont	1	207			
Hayward	2	13			
Kensington	0	0			
Oakland	11	2070			
Piedmont	0	0			
Richmond	1	1			
San Francisco	0	0			
San Leandro	1	1			
Union City	0	0			
San Lorenzo	0	0			
Other Communities	9	367			
Total	91	5788			
Com	plaints by Type				
Website		0			
E-mail	2	547			
Phone		0			
View point App	3	241			
Compla	ints by Time of Day				
Day(0700 - 1900)	2	566			
Evening (1900 - 2200)	8	328			
Night (2200 - 0700)	2	394			
Complaints	s by Type of Operation				
Arrivals	2	749			
Departures	2	811			
Over-flights	50				
Touch & Go	178				
Not Linked to an Operation		0			
Complaints by Type of Aircraft					
Business Jet	6	667			
Helicopter		35			
Jet	4	665			
Military		0			
Not Reported (not linked to an aircraft)		0			
Other (Type information not available)		7			
Propeller		305			
Turbo-prop		109			

Number of Callers August 2021

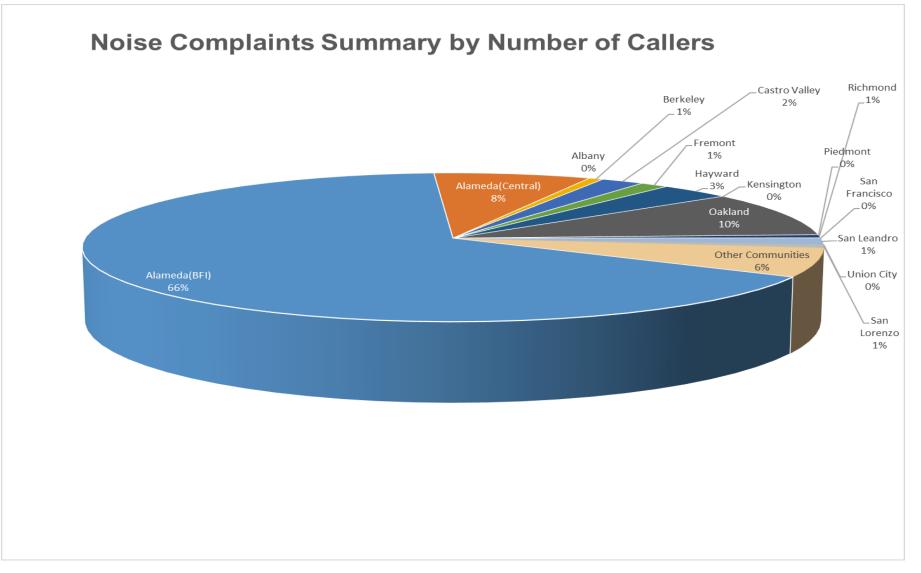


Number of Complaints August 2021



Oakland International Airport Noise Complaint Summary September 2021					
Community	Callers	Complaints			
Alameda(BFI)	94	4242			
Alameda(Central)	11	93			
Albany	0	0			
Berkeley	1	1			
Castro Valley	3	73			
Fremont	2	233			
Hayw ard	5	28			
Kensington	0	0			
Oakland	14	2342			
Piedmont	0	0			
Richmond	1	232			
San Francisco	0	0			
San Leandro	2	2			
Union City	0	0			
San Lorenzo	1	1			
Other Communities	9	288			
Total	143	7535			
Co	mplaints by Type				
Website		0			
E-mail	2	955			
Phone		0			
View point App	4	580			
Compl	aints by Time of Day				
Day(0700 - 1900)	3	396			
Evening (1900 - 2200)	1	838			
Night(2200 - 0700)	2301				
Complain	ts by Type of Operation				
Arrivals	2958				
Departures	4328				
Over-flights	52				
Touch & Go	197				
Not Linked to an Operation		0			
Complaints by Type of Aircraft					
Business Jet	1013				
Helicopter 97					
Jet 5900					
Military		2			
Not Reported (not linked to an aircraft)		0			
Other (Type information not available)		13			
Propeller		405			
Turbo-prop		105			

Number of Callers September 2021



Number of Complaints September 2021

