APPENDIX A
AIR QUALITY MODELING DATA

DRAFT
ENVIRONMENTAL ASSESSMENT

PROPOSED RELOCATION OF THE DISPLACED THRESHOLD ON RUNWAY 25
THE ACQUISITION OF APPROXIMATELY 97 ACRES
INCLUDING
12.5 ACRES FEE SIMPLE LAND ACQUISITION AND 84.5 ACRES OF AVIGATION EASEMENT

OXNARD AIRPORT, OXNARD, CA

August 2010

Federal Lead Agency:

Federal Aviation Administration
Western-Pacific Region Airports Division
Los Angeles Airport District Offices
15000 Aviation Boulevard
Lawndale, CA 90261

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Emissions Inventory Summary

(Short Tons per Year)

Baseline - Oxnard 2015

Category	CO2	CO	THC	NM...	VOC	TOG	NOx	SOx	PM-...	PM-...	Fuel Consu...
Aircraft	4,649.748	776.265	24.797	24.866	24.292	26.305	5.312	1.904	0.187	0.187	1,473.771
GSE	N/A	14.690	N/A	0.502	0.524	0.574	1.609	0.053	0.067	0.064	N/A
APUs	N/A	0.879	0.065	0.075	0.074	0.075	0.597	0.115	0.102	0.102	N/A
Parking Facilities	N/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Roadways	N/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Stationary Sourc...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Training Fires	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Total	4,649.748	791.834	24.862	25.443	24.890	26.954	7.519	2.072	0.356	0.353	1,473.771

Emissions Inventory Summary

(Short Tons per Year)

Baseline - Oxnard 2010

Category	CO2	CO	THC	NM...	VOC	TOG	NOx	SOx	PM-...	PM-...	Fuel Consu...
Aircraft	4,371.049	731.020	23.330	23.390	22.849	24.745	4.992	1.790	0.175	0.175	1,385.435
GSE	N/A	27.965	N/A	0.943	0.983	1.082	3.272	0.079	0.099	0.095	N/A
APUs	N/A	0.824	0.061	0.070	0.070	0.070	0.559	0.108	0.096	0.096	N/A
Parking Facilities	N/A	0.354	N/A	0.047	0.048	0.050	0.039	0.000	0.001	0.001	N/A
Roadways	N/A	1.454	N/A	0.107	0.109	0.114	0.192	0.001	0.007	0.004	N/A
Stationary Sourc...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Training Fires	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Total	4,371.049	761.616	23.390	24.558	24.058	26.062	9.055	1.979	0.378	0.371	1,385.435

Aircraft Emissions Summary

(Short Tons per Year)

Baseline - Oxnard 2010

Type	Engine	ID	Eur...		C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Bell 206 JetRanger	250B17B	Bell Helo	H1	Total	0.685	0.020	0....	0.005	0....	0....	0....	0....	N/A	N/A	0.217
Bell 206 JetRanger	250B17B	Bell Helo	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Bell Helo	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other H...	H1	Total	0.623	0.019	0....	0.004	0....	0....	0....	0....	N/A	N/A	0.197
Bell 206 JetRanger	250B17B	Other H...	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other H...	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 35	TFE731-...	Learjet	JB	Total	113...	1.474	0....	0.587	0....	0....	0....	0....	N/A	N/A	36.096
Bombardier Learjet 35	TFE731-...	Learjet	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 35	TFE731-...	Learjet	JB	GSE	N/A	1.030	N/A	0.033	0....	0....	0....	0....	0.001	0.001	N/A
Bombardier Learjet ...	TFE731-...	Military	JB	Total	27....	0.288	0....	0.056	0....	0....	0....	0....	N/A	N/A	8.565
Bombardier Learjet ...	TFE731-...	Military	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet ...	TFE731-...	Military	JB	GSE	N/A	0.233	N/A	0.007	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	Total	53....	19....	0....	0.340	0....	0....	0....	0....	N/A	N/A	17.097
Cessna 172 Skyhawk	O-320	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	Total	53....	18....	0....	0.340	0....	0....	0....	0....	N/A	N/A	17.088
Cessna 172 Skyhawk	O-320	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Cessna 182	IO-360-B	Cessna ...	PP	Total	52....	16....	0....	0.265	0....	0....	0....	0....	N/A	N/A	16.723
Cessna 182	IO-360-B	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 182	IO-360-B	Cessna ...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Cessna 210 Centuri...	TIO-540-...	Cessna ...	PP	Total	264...	123...	1....	1.619	1....	1....	0....	0....	N/A	N/A	83.914
Cessna 210 Centuri...	TIO-540-...	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 210 Centuri...	TIO-540-...	Cessna ...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Cessna 340	TIO-540-...	Cessna ...	PP	Total	72....	32....	0....	0.621	0....	0....	0....	0....	N/A	N/A	22.864
Cessna 340	TIO-540-...	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 340	TIO-540-...	Cessna ...	PP	GSE	N/A	0.003	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 560 Citation...	JT15D-5,...	Cessna ...	JB	Total	123...	3.575	3....	3.929	3....	3....	0....	0....	0.080	0.080	39.280
Cessna 560 Citation...	JT15D-5,...	Cessna ...	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 560 Citation...	JT15D-5,...	Cessna ...	JB	GSE	N/A	1.027	N/A	0.033	0....	0....	0....	0....	0.002	0.001	N/A
Cirrus SR20	IO-360-B	Cirrus	PP	Total	102...	35....	0....	0.393	0....	0....	0....	0....	N/A	N/A	32.454
Cirrus SR20	IO-360-B	Cirrus	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cirrus SR20	IO-360-B	Cirrus	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Dassault Falcon 50	TFE731-3	Falcon 50	JB	Total	179...	1.914	0....	0.468	0....	0....	0....	0....	N/A	N/A	56.790
Dassault Falcon 50	TFE731-3	Falcon 50	JB	AP...	N/A	0.221	0....	0.005	0....	0....	0....	0....	0.007	0.007	N/A
Dassault Falcon 50	TFE731-3	Falcon 50	JB	GSE	N/A	0.013	N/A	0.004	0....	0....	0....	0....	0.003	0.003	N/A
Embraer EMB120 B...	PW118	Embraer...	TP	Total	1,2...	12....	0....	0.038	0....	0....	1....	0....	N/A	N/A	390.350
Embraer EMB120 B...	PW118	Embraer...	TP	AP...	N/A	0.580	0....	0.063	0....	0....	0....	0....	0.083	0.083	N/A
Embraer EMB120 B...	PW118	Embraer...	TP	GSE	N/A	15....	N/A	0.501	0....	0....	1....	0....	0.053	0.050	N/A
Gulfstream V-SP	BR700-7...	Gulfstre...	JB	Total	386...	2.197	0....	0.251	0....	0....	0....	0....	0.022	0.022	122.510
Gulfstream V-SP	BR700-7...	Gulfstre...	JB	AP...	N/A	0.022	0....	0.002	0....	0....	0....	0....	0.007	0.007	N/A
Gulfstream V-SP	BR700-7...	Gulfstre...	JB	GSE	N/A	0.636	N/A	0.020	0....	0....	0....	0....	0.001	0.001	N/A
Lancair 360	IO-360-B	Lancair	PP	Total	51....	15....	0....	0.263	0....	0....	0....	0....	N/A	N/A	16.477
Lancair 360	IO-360-B	Lancair	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lancair 360	IO-360-B	Lancair	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Mooney M20-K	TSIO-360C	Mooney	PP	Total	88....	26....	0....	0.821	0....	0....	0....	0....	N/A	N/A	27.907
Mooney M20-K	TSIO-360C	Mooney	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mooney M20-K	TSIO-360C	Mooney	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Piper PA-28 Cherok...	O-320	Archer	PP	Total	62....	21....	0....	0.381	0....	0....	0....	0....	N/A	N/A	19.710
Piper PA-28 Cherok...	O-320	Archer	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cherok...	O-320	Archer	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Piper PA-28 Cherok...	O-320	Piper P...	PP	Total	62....	21....	0....	0.381	0....	0....	0....	0....	N/A	N/A	19.720
Piper PA-28 Cherok...	O-320	Piper P...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cherok...	O-320	Piper P...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Piper PA-30 Twin C...	IO-320-D...	Piper P...	PP	Total	45....	14....	0....	0.182	0....	0....	0....	0....	N/A	N/A	14.270
Piper PA-30 Twin C...	IO-320-D...	Piper P...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-30 Twin C...	IO-320-D...	Piper P...	PP	GSE	N/A	0.003	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Piper PA-34 Seneca	IO-360-B	Diamon...	PP	Total	40....	13....	0....	0.183	0....	0....	0....	0....	N/A	N/A	12.814
Piper PA-34 Seneca	IO-360-B	Diamon...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-34 Seneca	IO-360-B	Diamon...	PP	GSE	N/A	0.003	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech 19...	PT6A-67D	Beech 1...	TP	Total	64....	3.034	1....	1.192	1....	1....	0....	0....	N/A	N/A	20.495
Raytheon Beech 19...	PT6A-67D	Beech 1...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech 19...	PT6A-67D	Beech 1...	TP	GSE	N/A	1.472	N/A	0.046	0....	0....	0....	0....	0.002	0.002	N/A
Raytheon Beech 60 ...	TIO-540-...	Beech D...	PP	Total	108...	50....	0....	0.774	0....	0....	0....	0....	N/A	N/A	34.483
Raytheon Beech 60 ...	TIO-540-...	Beech D...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Type	Engine	ID	Eur...		C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Raytheon Beech 60 ...	TIO-540-...	Beech D...	PP	GSE	N/A	0.003	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech Ba...	TIO-540-...	Beech B...	PP	Total	52....	22....	0....	0.536	0....	0....	0....	0....	N/A	N/A	16.794
Raytheon Beech Ba...	TIO-540-...	Beech B...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Ba...	TIO-540-...	Beech B...	PP	GSE	N/A	0.003	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech Bo...	TIO-540-...	Beech A...	PP	Total	187...	86....	1....	1.303	1....	1....	0....	0....	N/A	N/A	59.542
Raytheon Beech Bo...	TIO-540-...	Beech A...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bo...	TIO-540-...	Beech A...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	Total	187...	86....	1....	1.304	1....	1....	0....	0....	N/A	N/A	59.573
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	Total	187...	86....	1....	1.303	1....	1....	0....	0....	N/A	N/A	59.542
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	GSE	N/A	0.009	N/A	0.004	0....	0....	0....	0....	0.001	0.001	N/A
Raytheon Beechjet ...	JT15D-5,...	Beech 4...	JB	Total	111...	3.534	3....	3.988	3....	3....	0....	0....	0.073	0.073	35.225
Raytheon Beechjet ...	JT15D-5,...	Beech 4...	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beechjet ...	JT15D-5,...	Beech 4...	JB	GSE	N/A	1.027	N/A	0.033	0....	0....	0....	0....	0.002	0.001	N/A
Raytheon King Air 90	PT6A-28	King Air ...	TP	Total	179...	0.691	0....	0.054	0....	0....	0....	0....	N/A	N/A	56.978
Raytheon King Air 90	PT6A-28	King Air ...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon King Air 90	PT6A-28	King Air ...	TP	GSE	N/A	2.297	N/A	0.072	0....	0....	0....	0....	0.008	0.007	N/A
Raytheon Super Kin...	PT6A-42	King Air ...	TP	Total	131...	2.603	0....	0.665	0....	0....	0....	0....	N/A	N/A	41.582
Raytheon Super Kin...	PT6A-42	King Air ...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-42	King Air ...	TP	GSE	N/A	2.297	N/A	0.072	0....	0....	0....	0....	0.008	0.007	N/A
Raytheon Super Kin...	PT6A-60A	King Air ...	TP	Total	144...	5.965	0....	1.137	1....	1....	0....	0....	N/A	N/A	45.942
Raytheon Super Kin...	PT6A-60A	King Air ...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-60A	King Air ...	TP	GSE	N/A	2.297	N/A	0.072	0....	0....	0....	0....	0.008	0.007	N/A
Robinson R22	O-320	R22	H1	Total	0.125	0.044	0....	0.001	0....	0....	0....	0....	N/A	N/A	0.040
Robinson R22	O-320	R22	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R22	O-320	R22	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-540-...	R44	H1	Total	0.611	0.252	0....	0.010	0....	0....	0....	0....	N/A	N/A	0.194
Robinson R44 Raven	TIO-540-...	R44	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-540-...	R44	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Aircraft Emissions by Mode

(Short Tons per Year)

Baseline - Oxnard 2010

Type	Engi...	ID	Eur...	Mode	C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Bell 206 JetRanger	250B17B	Bell H...	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Bell H...	H1	Taxi ...	0.376	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.119
Bell 206 JetRanger	250B17B	Bell H...	H1	Takeoff	0.002	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.001
Bell 206 JetRanger	250B17B	Bell H...	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Bell H...	H1	Appro...	0.148	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.047
Bell 206 JetRanger	250B17B	Bell H...	H1	Taxi In	0.159	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.050
Bell 206 JetRanger	250B17B	Other ...	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other ...	H1	Taxi ...	0.342	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.108
Bell 206 JetRanger	250B17B	Other ...	H1	Takeoff	0.002	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.001
Bell 206 JetRanger	250B17B	Other ...	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other ...	H1	Appro...	0.135	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.043
Bell 206 JetRanger	250B17B	Other ...	H1	Taxi In	0.145	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.046
Bombardier Learjet 35	TFE73...	Learjet	JB	Startup	N/A	N/A	0.0...	0.050	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 35	TFE73...	Learjet	JB	Taxi ...	46....	0.8...	0.2...	0.346	0.3...	0.3...	0.0...	0.0...	N/A	N/A	14.827
Bombardier Learjet 35	TFE73...	Learjet	JB	Takeoff	24....	0.0...	0.0...	0.001	0.0...	0.0...	0.1...	0.0...	N/A	N/A	7.751
Bombardier Learjet 35	TFE73...	Learjet	JB	Climb...	6.538	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.072
Bombardier Learjet 35	TFE73...	Learjet	JB	Appro...	17....	0.1...	0.0...	0.060	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.513
Bombardier Learjet 35	TFE73...	Learjet	JB	Taxi In	18....	0.3...	0.1...	0.130	0.1...	0.1...	0.0...	0.0...	N/A	N/A	5.933
Bombardier Learjet 3...	TFE73...	Military	JB	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 3...	TFE73...	Military	JB	Taxi ...	11....	0.1...	0.0...	0.036	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.641
Bombardier Learjet 3...	TFE73...	Military	JB	Takeoff	5.543	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.757
Bombardier Learjet 3...	TFE73...	Military	JB	Climb...	1.482	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.470
Bombardier Learjet 3...	TFE73...	Military	JB	Appro...	3.943	0.0...	0.0...	0.006	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.250
Bombardier Learjet 3...	TFE73...	Military	JB	Taxi In	4.569	0.0...	0.0...	0.014	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.448
Cessna 172 Skyhawk	O-320	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi ...	9.870	3.3...	0.1...	0.101	0.0...	0.1...	0.0...	0.0...	N/A	N/A	3.128
Cessna 172 Skyhawk	O-320	Cessn...	PP	Takeoff	5.906	2.0...	0.0...	0.029	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.872
Cessna 172 Skyhawk	O-320	Cessn...	PP	Climb...	10....	3.8...	0.0...	0.054	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.419
Cessna 172 Skyhawk	O-320	Cessn...	PP	Appro...	23....	8.2...	0.1...	0.116	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.369
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi In	4.129	1.4...	0.0...	0.040	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.309
Cessna 172 Skyhawk	O-320	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi ...	9.865	3.3...	0.1...	0.101	0.0...	0.1...	0.0...	0.0...	N/A	N/A	3.127
Cessna 172 Skyhawk	O-320	Cessn...	PP	Takeoff	5.903	2.0...	0.0...	0.029	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.871
Cessna 172 Skyhawk	O-320	Cessn...	PP	Climb...	10....	3.8...	0.0...	0.054	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.417
Cessna 172 Skyhawk	O-320	Cessn...	PP	Appro...	23....	8.2...	0.1...	0.116	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.365
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi In	4.127	1.4...	0.0...	0.040	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.308
Cessna 182	IO-360-B	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 182	IO-360-B	Cessn...	PP	Taxi ...	8.460	2.4...	0.1...	0.116	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.682
Cessna 182	IO-360-B	Cessn...	PP	Takeoff	4.682	1.4...	0.0...	0.012	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.484
Cessna 182	IO-360-B	Cessn...	PP	Climb...	10....	3.3...	0.0...	0.027	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.332
Cessna 182	IO-360-B	Cessn...	PP	Appro...	25....	8.0...	0.0...	0.066	0.0...	0.0...	0.0...	0.0...	N/A	N/A	8.149
Cessna 182	IO-360-B	Cessn...	PP	Taxi In	3.398	0.9...	0.0...	0.043	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.077
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Taxi ...	26....	10....	0.5...	0.495	0.4...	0.5...	0.0...	0.0...	N/A	N/A	8.277
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Takeoff	23....	10....	0.1...	0.094	0.0...	0.1...	0.0...	0.0...	N/A	N/A	7.367
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Climb...	37....	17....	0.1...	0.156	0.1...	0.1...	0.0...	0.0...	N/A	N/A	11.913
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Appro...	166...	78....	0.7...	0.685	0.6...	0.7...	0.0...	0.0...	N/A	N/A	52.743
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Taxi In	11....	4.7...	0.2...	0.189	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.613
Cessna 340	TIO-54...	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 340	TIO-54...	Cessn...	PP	Taxi ...	16....	6.6...	0.3...	0.304	0.2...	0.3...	0.0...	0.0...	N/A	N/A	5.094
Cessna 340	TIO-54...	Cessn...	PP	Takeoff	6.068	2.7...	0.0...	0.024	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.923
Cessna 340	TIO-54...	Cessn...	PP	Climb...	10....	5.0...	0.0...	0.044	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.424
Cessna 340	TIO-54...	Cessn...	PP	Appro...	31....	14....	0.1...	0.128	0.1...	0.1...	0.0...	0.0...	N/A	N/A	9.991
Cessna 340	TIO-54...	Cessn...	PP	Taxi In	7.673	3.2...	0.1...	0.119	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.432
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Startup	N/A	N/A	0.0...	0.049	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Taxi ...	57....	2.1...	2.1...	2.522	2.5...	2.5...	0.0...	0.0...	0.046	0.046	18.205
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Takeoff	14....	0.0...	0.0...	0.008	0.0...	0.0...	0.0...	0.0...	0.001	0.001	4.725
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Climb...	11....	0.0...	0.0...	0.004	0.0...	0.0...	0.0...	0.0...	0.003	0.003	3.666
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Appro...	17....	0.4...	0.3...	0.398	0.3...	0.3...	0.0...	0.0...	0.013	0.013	5.694
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Taxi In	22....	0.8...	0.8...	0.948	0.9...	0.9...	0.0...	0.0...	0.018	0.018	6.989
Cirrus SR20	IO-360-B	Cirrus	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cirrus SR20	IO-360-B	Cirrus	PP	Taxi ...	8.460	2.4...	0.1...	0.116	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.682
Cirrus SR20	IO-360-B	Cirrus	PP	Takeoff	10....	3.6...	0.0...	0.027	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.350
Cirrus SR20	IO-360-B	Cirrus	PP	Climb...	20....	7.3...	0.0...	0.054	0.0...	0.0...	0.0...	0.0...	N/A	N/A	6.551
Cirrus SR20	IO-360-B	Cirrus	PP	Appro...	58....	20....	0.1...	0.152	0.1...	0.1...	0.0...	0.0...	N/A	N/A	18.674

Type	Engi...	ID	Eur...	Mode	C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Cirrus SR20	IO-360-B	Cirrus	PP	Taxi In	3.780	1.1...	0.0...	0.044	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.198
Dassault Falcon 50	TFE73...	Falco...	JB	Startup	N/A	N/A	0.0...	0.076	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Dassault Falcon 50	TFE73...	Falco...	JB	Taxi ...	76....	1.1...	0.2...	0.253	0.2...	0.2...	0.0...	0.0...	N/A	N/A	24.093
Dassault Falcon 50	TFE73...	Falco...	JB	Takeoff	37....	0.0...	0.0...	0.001	0.0...	0.0...	0.2...	0.0...	N/A	N/A	12.001
Dassault Falcon 50	TFE73...	Falco...	JB	Climb...	9.471	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.002
Dassault Falcon 50	TFE73...	Falco...	JB	Appro...	26....	0.2...	0.0...	0.042	0.0...	0.0...	0.0...	0.0...	N/A	N/A	8.255
Dassault Falcon 50	TFE73...	Falco...	JB	Taxi In	29....	0.4...	0.0...	0.095	0.0...	0.0...	0.0...	0.0...	N/A	N/A	9.438
Embraer EMB120 Br...	PW118	Embra...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Embraer EMB120 Br...	PW118	Embra...	TP	Taxi ...	665...	7.8...	0.0...	0.025	0.0...	0.0...	0.8...	0.2...	N/A	N/A	210.894
Embraer EMB120 Br...	PW118	Embra...	TP	Takeoff	91....	0.0...	0.0...	0.000	0.0...	0.0...	0.3...	0.0...	N/A	N/A	28.973
Embraer EMB120 Br...	PW118	Embra...	TP	Climb...	107...	0.0...	0.0...	0.000	0.0...	0.0...	0.3...	0.0...	N/A	N/A	33.971
Embraer EMB120 Br...	PW118	Embra...	TP	Appro...	117...	1.4...	0.0...	0.004	0.0...	0.0...	0.1...	0.0...	N/A	N/A	37.198
Embraer EMB120 Br...	PW118	Embra...	TP	Taxi In	250...	2.9...	0.0...	0.009	0.0...	0.0...	0.3...	0.1...	N/A	N/A	79.314
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Startup	N/A	N/A	0.0...	0.065	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Taxi ...	173...	1.4...	0.1...	0.127	0.1...	0.1...	0.2...	0.0...	0.008	0.008	54.982
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Takeoff	47....	0.0...	0.0...	0.000	0.0...	0.0...	0.2...	0.0...	0.005	0.005	15.162
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Climb...	50....	0.0...	0.0...	0.000	0.0...	0.0...	0.2...	0.0...	0.005	0.005	15.946
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Appro...	46....	0.1...	0.0...	0.012	0.0...	0.0...	0.0...	0.0...	N/A	N/A	14.832
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Taxi In	68....	0.5...	0.0...	0.047	0.0...	0.0...	0.0...	0.0...	0.003	0.003	21.587
Lancair 360	IO-360-B	Lancair	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lancair 360	IO-360-B	Lancair	PP	Taxi ...	8.456	2.4...	0.1...	0.116	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.680
Lancair 360	IO-360-B	Lancair	PP	Takeoff	5.903	1.8...	0.0...	0.015	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.871
Lancair 360	IO-360-B	Lancair	PP	Climb...	10....	3.4...	0.0...	0.028	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.417
Lancair 360	IO-360-B	Lancair	PP	Appro...	23....	7.2...	0.0...	0.060	0.0...	0.0...	0.0...	0.0...	N/A	N/A	7.365
Lancair 360	IO-360-B	Lancair	PP	Taxi In	3.607	1.0...	0.0...	0.044	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.143
Mooney M20-K	TSIO-3...	Mooney	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mooney M20-K	TSIO-3...	Mooney	PP	Taxi ...	12....	2.2...	0.5...	0.462	0.4...	0.5...	0.0...	0.0...	N/A	N/A	3.812
Mooney M20-K	TSIO-3...	Mooney	PP	Takeoff	7.266	2.3...	0.0...	0.019	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.303
Mooney M20-K	TSIO-3...	Mooney	PP	Climb...	11....	3.9...	0.0...	0.031	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.724
Mooney M20-K	TSIO-3...	Mooney	PP	Appro...	52....	17....	0.1...	0.138	0.1...	0.1...	0.0...	0.0...	N/A	N/A	16.487
Mooney M20-K	TSIO-3...	Mooney	PP	Taxi In	4.987	1.0...	0.1...	0.172	0.1...	0.1...	0.0...	0.0...	N/A	N/A	1.581
Piper PA-28 Cheroke...	O-320	Archer	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cheroke...	O-320	Archer	PP	Taxi ...	9.865	3.3...	0.1...	0.101	0.0...	0.1...	0.0...	0.0...	N/A	N/A	3.127
Piper PA-28 Cheroke...	O-320	Archer	PP	Takeoff	5.922	2.0...	0.0...	0.029	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.877
Piper PA-28 Cheroke...	O-320	Archer	PP	Climb...	12....	4.3...	0.0...	0.061	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.860
Piper PA-28 Cheroke...	O-320	Archer	PP	Appro...	30....	10....	0.1...	0.151	0.1...	0.1...	0.0...	0.0...	N/A	N/A	9.585
Piper PA-28 Cheroke...	O-320	Archer	PP	Taxi In	3.977	1.3...	0.0...	0.039	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.261
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Taxi ...	9.870	3.3...	0.1...	0.101	0.0...	0.1...	0.0...	0.0...	N/A	N/A	3.128
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Takeoff	5.925	2.0...	0.0...	0.029	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.878
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Climb...	12....	4.3...	0.0...	0.061	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.862
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Appro...	30....	10....	0.1...	0.151	0.1...	0.1...	0.0...	0.0...	N/A	N/A	9.590
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Taxi In	3.980	1.3...	0.0...	0.039	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.261
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Taxi ...	5.000	0.9...	0.0...	0.050	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.585
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Takeoff	14....	4.9...	0.0...	0.044	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.662
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Appro...	22....	7.7...	0.0...	0.069	0.0...	0.0...	0.0...	0.0...	N/A	N/A	7.282
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Taxi In	2.336	0.5...	0.0...	0.020	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.740
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Taxi ...	5.204	1.4...	0.0...	0.071	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.650
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Takeoff	4.031	1.4...	0.0...	0.010	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.278
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Climb...	7.176	2.5...	0.0...	0.019	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.275
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Appro...	20....	7.4...	0.0...	0.054	0.0...	0.0...	0.0...	0.0...	N/A	N/A	6.636
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Taxi In	3.081	0.9...	0.0...	0.029	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.976
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Taxi ...	33....	1.8...	0.6...	0.745	0.7...	0.7...	0.0...	0.0...	N/A	N/A	10.468
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Takeoff	11....	0.0...	0.0...	0.009	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.498
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Climb...	0.761	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.241
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Appro...	7.523	0.4...	0.1...	0.160	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.384
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Taxi In	12....	0.6...	0.2...	0.277	0.2...	0.2...	0.0...	0.0...	N/A	N/A	3.904
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Taxi ...	16....	6.6...	0.3...	0.304	0.2...	0.3...	0.0...	0.0...	N/A	N/A	5.094
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Takeoff	10....	4.8...	0.0...	0.043	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.329
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Climb...	18....	8.9...	0.0...	0.078	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.928
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Appro...	54....	25....	0.2...	0.225	0.2...	0.2...	0.0...	0.0...	N/A	N/A	17.294
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Taxi In	8.953	3.8...	0.1...	0.124	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.838
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Taxi ...	16....	6.6...	0.3...	0.304	0.2...	0.3...	0.0...	0.0...	N/A	N/A	5.094
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Takeoff	3.751	1.5...	0.0...	0.014	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.189

Type	Engi...	ID	Eur...	Mode	C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Climb...	6.677	2.8...	0.0...	0.026	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.116
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Appro...	19....	8.2...	0.0...	0.075	0.0...	0.0...	0.0...	0.0...	N/A	N/A	6.175
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Taxi In	7.004	2.8...	0.1...	0.116	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.220
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi ...	26....	10....	0.5...	0.495	0.4...	0.5...	0.0...	0.0...	N/A	N/A	8.277
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Takeoff	15....	7.2...	0.0...	0.063	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.894
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Climb...	24....	11....	0.1...	0.104	0.0...	0.1...	0.0...	0.0...	N/A	N/A	7.913
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Appro...	110...	52....	0.5...	0.455	0.4...	0.5...	0.0...	0.0...	N/A	N/A	35.035
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi In	10....	4.5...	0.2...	0.187	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.424
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi ...	26....	10....	0.5...	0.495	0.4...	0.5...	0.0...	0.0...	N/A	N/A	8.281
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Takeoff	15....	7.2...	0.0...	0.063	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.896
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Climb...	24....	11....	0.1...	0.104	0.0...	0.1...	0.0...	0.0...	N/A	N/A	7.917
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Appro...	110...	52....	0.5...	0.455	0.4...	0.5...	0.0...	0.0...	N/A	N/A	35.053
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi In	10....	4.5...	0.2...	0.187	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.426
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi ...	26....	10....	0.5...	0.495	0.4...	0.5...	0.0...	0.0...	N/A	N/A	8.277
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Takeoff	15....	7.2...	0.0...	0.063	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.894
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Climb...	24....	11....	0.1...	0.104	0.0...	0.1...	0.0...	0.0...	N/A	N/A	7.913
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Appro...	110...	52....	0.5...	0.455	0.4...	0.5...	0.0...	0.0...	N/A	N/A	35.035
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi In	10....	4.5...	0.2...	0.187	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.424
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Startup	N/A	N/A	0.0...	0.049	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Taxi ...	57....	2.1...	2.1...	2.522	2.5...	2.5...	0.0...	0.0...	0.046	0.046	18.205
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Takeoff	17....	0.0...	0.0...	0.015	0.0...	0.0...	0.0...	0.0...	0.001	0.001	5.646
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Climb...	2.861	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	0.001	0.001	0.907
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Appro...	11....	0.4...	0.3...	0.452	0.4...	0.4...	0.0...	0.0...	0.008	0.008	3.520
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Taxi In	21....	0.8...	0.8...	0.947	0.9...	0.9...	0.0...	0.0...	0.017	0.017	6.947
Raytheon King Air 90	PT6A-28	King A...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon King Air 90	PT6A-28	King A...	TP	Taxi ...	73....	0.4...	0.0...	0.033	0.0...	0.0...	0.0...	0.0...	N/A	N/A	23.288
Raytheon King Air 90	PT6A-28	King A...	TP	Takeoff	16....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.139
Raytheon King Air 90	PT6A-28	King A...	TP	Climb...	23....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	7.332
Raytheon King Air 90	PT6A-28	King A...	TP	Appro...	39....	0.1...	0.0...	0.009	0.0...	0.0...	0.0...	0.0...	N/A	N/A	12.534
Raytheon King Air 90	PT6A-28	King A...	TP	Taxi In	27....	0.1...	0.0...	0.012	0.0...	0.0...	0.0...	0.0...	N/A	N/A	8.685
Raytheon Super Kin...	PT6A-42	King A...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-42	King A...	TP	Taxi ...	60....	1.4...	0.3...	0.386	0.3...	0.3...	0.0...	0.0...	N/A	N/A	19.051
Raytheon Super Kin...	PT6A-42	King A...	TP	Takeoff	10....	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.198
Raytheon Super Kin...	PT6A-42	King A...	TP	Climb...	15....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.941
Raytheon Super Kin...	PT6A-42	King A...	TP	Appro...	23....	0.5...	0.1...	0.135	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.317
Raytheon Super Kin...	PT6A-42	King A...	TP	Taxi In	22....	0.5...	0.1...	0.143	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.076
Raytheon Super Kin...	PT6A-6...	King A...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-6...	King A...	TP	Taxi ...	70....	3.4...	0.5...	0.665	0.6...	0.6...	0.0...	0.0...	N/A	N/A	22.236
Raytheon Super Kin...	PT6A-6...	King A...	TP	Takeoff	10....	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.198
Raytheon Super Kin...	PT6A-6...	King A...	TP	Climb...	15....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.941
Raytheon Super Kin...	PT6A-6...	King A...	TP	Appro...	23....	1.1...	0.1...	0.223	0.2...	0.2...	0.0...	0.0...	N/A	N/A	7.317
Raytheon Super Kin...	PT6A-6...	King A...	TP	Taxi In	26....	1.2...	0.2...	0.247	0.2...	0.2...	0.0...	0.0...	N/A	N/A	8.250
Robinson R22	O-320	R22	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R22	O-320	R22	H1	Taxi ...	0.057	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.018
Robinson R22	O-320	R22	H1	Takeoff	0.001	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.000
Robinson R22	O-320	R22	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R22	O-320	R22	H1	Appro...	0.044	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.014
Robinson R22	O-320	R22	H1	Taxi In	0.024	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.008
Robinson R44 Raven	TIO-54...	R44	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-54...	R44	H1	Taxi ...	0.300	0.1...	0.0...	0.006	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.095
Robinson R44 Raven	TIO-54...	R44	H1	Takeoff	0.004	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.001
Robinson R44 Raven	TIO-54...	R44	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-54...	R44	H1	Appro...	0.180	0.0...	0.0...	0.002	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.057
Robinson R44 Raven	TIO-54...	R44	H1	Taxi In	0.127	0.0...	0.0...	0.002	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.040

Vehicular Source Emissions Inventory

(Short Tons per Year)

Baseline - Oxnard 2010

Name	Type	CO	THC	NMHC	VOC	TOG	NOx	SOx	PM-10	PM-2.5
Parking	Parking	0.354	N/A	0.047	0.048	0.050	0.039	0.000	0.001	0.001
Roadway	Roadway	1.454	N/A	0.107	0.109	0.114	0.192	0.001	0.007	0.004

Aircraft Emissions Summary

(Short Tons per Year)

Baseline - Oxnard 2015

Type	Engine	ID	Eur...		C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Bell 206 JetRanger	250B17B	Bell Helo	H1	Total	0.685	0.020	0....	0.005	0....	0....	0....	0....	N/A	N/A	0.217
Bell 206 JetRanger	250B17B	Bell Helo	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Bell Helo	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other H...	H1	Total	0.623	0.019	0....	0.004	0....	0....	0....	0....	N/A	N/A	0.197
Bell 206 JetRanger	250B17B	Other H...	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other H...	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 35	TFE731-...	Learjet	JB	Total	120...	1.559	0....	0.620	0....	0....	0....	0....	N/A	N/A	38.182
Bombardier Learjet 35	TFE731-...	Learjet	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 35	TFE731-...	Learjet	JB	GSE	N/A	0.671	N/A	0.021	0....	0....	0....	0....	0.001	0.001	N/A
Bombardier Learjet ...	TFE731-...	Military	JB	Total	27....	0.288	0....	0.056	0....	0....	0....	0....	N/A	N/A	8.565
Bombardier Learjet ...	TFE731-...	Military	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet ...	TFE731-...	Military	JB	GSE	N/A	0.144	N/A	0.004	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	Total	57....	20....	0....	0.361	0....	0....	0....	0....	N/A	N/A	18.151
Cessna 172 Skyhawk	O-320	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	Total	57....	20....	0....	0.361	0....	0....	0....	0....	N/A	N/A	18.151
Cessna 172 Skyhawk	O-320	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessna ...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 182	IO-360-B	Cessna ...	PP	Total	56....	17....	0....	0.281	0....	0....	0....	0....	N/A	N/A	17.754
Cessna 182	IO-360-B	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 182	IO-360-B	Cessna ...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 210 Centuri...	TIO-540-...	Cessna ...	PP	Total	281...	130...	1....	1.720	1....	1....	0....	0....	N/A	N/A	89.131
Cessna 210 Centuri...	TIO-540-...	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 210 Centuri...	TIO-540-...	Cessna ...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 340	TIO-540-...	Cessna ...	PP	Total	76....	34....	0....	0.659	0....	0....	0....	0....	N/A	N/A	24.262
Cessna 340	TIO-540-...	Cessna ...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 340	TIO-540-...	Cessna ...	PP	GSE	N/A	0.002	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Cessna 560 Citation...	JT15D-5,...	Cessna ...	JB	Total	132...	3.814	3....	4.192	4....	4....	0....	0....	0.085	0.085	41.910
Cessna 560 Citation...	JT15D-5,...	Cessna ...	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 560 Citation...	JT15D-5,...	Cessna ...	JB	GSE	N/A	0.676	N/A	0.021	0....	0....	0....	0....	0.001	0.001	N/A
Cirrus SR20	IO-360-B	Cirrus	PP	Total	108...	37....	0....	0.417	0....	0....	0....	0....	N/A	N/A	34.454
Cirrus SR20	IO-360-B	Cirrus	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cirrus SR20	IO-360-B	Cirrus	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Dassault Falcon 50	TFE731-3	Falcon 50	JB	Total	189...	2.025	0....	0.495	0....	0....	0....	0....	N/A	N/A	60.071
Dassault Falcon 50	TFE731-3	Falcon 50	JB	AP...	N/A	0.234	0....	0.005	0....	0....	0....	0....	0.007	0.007	N/A
Dassault Falcon 50	TFE731-3	Falcon 50	JB	GSE	N/A	0.008	N/A	0.003	0....	0....	0....	0....	0.002	0.002	N/A
Embraer EMB120 B...	PW118	Embraer...	TP	Total	1,3...	13....	0....	0.041	0....	0....	2....	0....	N/A	N/A	417.802
Embraer EMB120 B...	PW118	Embraer...	TP	AP...	N/A	0.621	0....	0.068	0....	0....	0....	0....	0.088	0.088	N/A
Embraer EMB120 B...	PW118	Embraer...	TP	GSE	N/A	7.657	N/A	0.247	0....	0....	0....	0....	0.037	0.036	N/A
Gulfstream V-SP	BR700-7...	Gulfstre...	JB	Total	410...	2.334	0....	0.266	0....	0....	0....	0....	0.023	0.023	130.133
Gulfstream V-SP	BR700-7...	Gulfstre...	JB	AP...	N/A	0.023	0....	0.002	0....	0....	0....	0....	0.007	0.007	N/A
Gulfstream V-SP	BR700-7...	Gulfstre...	JB	GSE	N/A	0.312	N/A	0.010	0....	0....	0....	0....	0.001	0.001	N/A
Lancair 360	IO-360-B	Lancair	PP	Total	55....	16....	0....	0.279	0....	0....	0....	0....	N/A	N/A	17.501
Lancair 360	IO-360-B	Lancair	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lancair 360	IO-360-B	Lancair	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Mooney M20-K	TSIO-360C	Mooney	PP	Total	93....	28....	1....	0.872	0....	0....	0....	0....	N/A	N/A	29.626
Mooney M20-K	TSIO-360C	Mooney	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mooney M20-K	TSIO-360C	Mooney	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Piper PA-28 Cherok...	O-320	Archer	PP	Total	66....	23....	0....	0.405	0....	0....	0....	0....	N/A	N/A	20.936
Piper PA-28 Cherok...	O-320	Archer	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cherok...	O-320	Archer	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Piper PA-28 Cherok...	O-320	Piper P...	PP	Total	66....	23....	0....	0.405	0....	0....	0....	0....	N/A	N/A	20.936
Piper PA-28 Cherok...	O-320	Piper P...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cherok...	O-320	Piper P...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Piper PA-30 Twin C...	IO-320-D...	Piper P...	PP	Total	47....	15....	0....	0.194	0....	0....	0....	0....	N/A	N/A	15.142
Piper PA-30 Twin C...	IO-320-D...	Piper P...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-30 Twin C...	IO-320-D...	Piper P...	PP	GSE	N/A	0.002	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Piper PA-34 Seneca	IO-360-B	Diamon...	PP	Total	42....	14....	0....	0.194	0....	0....	0....	0....	N/A	N/A	13.598
Piper PA-34 Seneca	IO-360-B	Diamon...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-34 Seneca	IO-360-B	Diamon...	PP	GSE	N/A	0.002	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech 19...	PT6A-67D	Beech 1...	TP	Total	68....	3.223	1....	1.266	1....	1....	0....	0....	N/A	N/A	21.776
Raytheon Beech 19...	PT6A-67D	Beech 1...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech 19...	PT6A-67D	Beech 1...	TP	GSE	N/A	0.903	N/A	0.027	0....	0....	0....	0....	0.002	0.002	N/A
Raytheon Beech 60 ...	TIO-540-...	Beech D...	PP	Total	115...	53....	0....	0.821	0....	0....	0....	0....	N/A	N/A	36.591
Raytheon Beech 60 ...	TIO-540-...	Beech D...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Type	Engine	ID	Eur...		C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Raytheon Beech 60 ...	TIO-540-...	Beech D...	PP	GSE	N/A	0.002	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech Ba...	TIO-540-...	Beech B...	PP	Total	56....	23....	0....	0.569	0....	0....	0....	0....	N/A	N/A	17.820
Raytheon Beech Ba...	TIO-540-...	Beech B...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Ba...	TIO-540-...	Beech B...	PP	GSE	N/A	0.002	N/A	0.001	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech Bo...	TIO-540-...	Beech A...	PP	Total	199...	92....	1....	1.384	1....	1....	0....	0....	N/A	N/A	63.244
Raytheon Beech Bo...	TIO-540-...	Beech A...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bo...	TIO-540-...	Beech A...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	Total	199...	92....	1....	1.384	1....	1....	0....	0....	N/A	N/A	63.244
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	Total	199...	92....	1....	1.384	1....	1....	0....	0....	N/A	N/A	63.244
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bo...	TIO-540-...	Beech F...	PP	GSE	N/A	0.005	N/A	0.003	0....	0....	0....	0....	0.000	0.000	N/A
Raytheon Beechjet ...	JT15D-5,...	Beech 4...	JB	Total	118...	3.770	3....	4.255	4....	4....	0....	0....	0.078	0.078	37.584
Raytheon Beechjet ...	JT15D-5,...	Beech 4...	JB	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beechjet ...	JT15D-5,...	Beech 4...	JB	GSE	N/A	0.676	N/A	0.021	0....	0....	0....	0....	0.001	0.001	N/A
Raytheon King Air 90	PT6A-28	King Air ...	TP	Total	190...	0.734	0....	0.057	0....	0....	0....	0....	N/A	N/A	60.460
Raytheon King Air 90	PT6A-28	King Air ...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon King Air 90	PT6A-28	King Air ...	TP	GSE	N/A	1.191	N/A	0.037	0....	0....	0....	0....	0.005	0.005	N/A
Raytheon Super Kin...	PT6A-42	King Air ...	TP	Total	139...	2.762	0....	0.706	0....	0....	0....	0....	N/A	N/A	44.124
Raytheon Super Kin...	PT6A-42	King Air ...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-42	King Air ...	TP	GSE	N/A	1.191	N/A	0.037	0....	0....	0....	0....	0.005	0.005	N/A
Raytheon Super Kin...	PT6A-60A	King Air ...	TP	Total	153...	6.329	1....	1.206	1....	1....	0....	0....	N/A	N/A	48.750
Raytheon Super Kin...	PT6A-60A	King Air ...	TP	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-60A	King Air ...	TP	GSE	N/A	1.191	N/A	0.037	0....	0....	0....	0....	0.005	0.005	N/A
Robinson R22	O-320	R22	H1	Total	0.125	0.044	0....	0.001	0....	0....	0....	0....	N/A	N/A	0.040
Robinson R22	O-320	R22	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R22	O-320	R22	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-540-...	R44	H1	Total	0.555	0.229	0....	0.009	0....	0....	0....	0....	N/A	N/A	0.176
Robinson R44 Raven	TIO-540-...	R44	H1	AP...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-540-...	R44	H1	GSE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Aircraft Emissions by Mode

(Short Tons per Year)

Baseline - Oxnard 2015

Type	Engi...	ID	Eur...	Mode	C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Bell 206 JetRanger	250B17B	Bell H...	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Bell H...	H1	Taxi ...	0.376	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.119
Bell 206 JetRanger	250B17B	Bell H...	H1	Takeoff	0.002	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.001
Bell 206 JetRanger	250B17B	Bell H...	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Bell H...	H1	Appro...	0.148	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.047
Bell 206 JetRanger	250B17B	Bell H...	H1	Taxi In	0.159	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.050
Bell 206 JetRanger	250B17B	Other ...	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other ...	H1	Taxi ...	0.342	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.108
Bell 206 JetRanger	250B17B	Other ...	H1	Takeoff	0.002	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.001
Bell 206 JetRanger	250B17B	Other ...	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bell 206 JetRanger	250B17B	Other ...	H1	Appro...	0.135	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.043
Bell 206 JetRanger	250B17B	Other ...	H1	Taxi In	0.145	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.046
Bombardier Learjet 35	TFE73...	Learjet	JB	Startup	N/A	N/A	0.0...	0.053	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 35	TFE73...	Learjet	JB	Taxi ...	49....	0.9...	0.3...	0.366	0.3...	0.3...	0.0...	0.0...	N/A	N/A	15.683
Bombardier Learjet 35	TFE73...	Learjet	JB	Takeoff	25....	0.0...	0.0...	0.001	0.0...	0.0...	0.1...	0.0...	N/A	N/A	8.199
Bombardier Learjet 35	TFE73...	Learjet	JB	Climb...	6.916	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.192
Bombardier Learjet 35	TFE73...	Learjet	JB	Appro...	18....	0.2...	0.0...	0.063	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.832
Bombardier Learjet 35	TFE73...	Learjet	JB	Taxi In	19....	0.3...	0.1...	0.137	0.1...	0.1...	0.0...	0.0...	N/A	N/A	6.276
Bombardier Learjet 3...	TFE73...	Military	JB	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bombardier Learjet 3...	TFE73...	Military	JB	Taxi ...	11....	0.1...	0.0...	0.036	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.641
Bombardier Learjet 3...	TFE73...	Military	JB	Takeoff	5.543	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.757
Bombardier Learjet 3...	TFE73...	Military	JB	Climb...	1.482	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.470
Bombardier Learjet 3...	TFE73...	Military	JB	Appro...	3.943	0.0...	0.0...	0.006	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.250
Bombardier Learjet 3...	TFE73...	Military	JB	Taxi In	4.569	0.0...	0.0...	0.014	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.448
Cessna 172 Skyhawk	O-320	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi ...	10....	3.6...	0.1...	0.108	0.1...	0.1...	0.0...	0.0...	N/A	N/A	3.321
Cessna 172 Skyhawk	O-320	Cessn...	PP	Takeoff	6.270	2.2...	0.0...	0.031	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.987
Cessna 172 Skyhawk	O-320	Cessn...	PP	Climb...	11....	4.0...	0.0...	0.057	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.629
Cessna 172 Skyhawk	O-320	Cessn...	PP	Appro...	24....	8.7...	0.1...	0.123	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.823
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi In	4.383	1.5...	0.0...	0.042	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.389
Cessna 172 Skyhawk	O-320	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi ...	10....	3.6...	0.1...	0.108	0.1...	0.1...	0.0...	0.0...	N/A	N/A	3.321
Cessna 172 Skyhawk	O-320	Cessn...	PP	Takeoff	6.270	2.2...	0.0...	0.031	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.987
Cessna 172 Skyhawk	O-320	Cessn...	PP	Climb...	11....	4.0...	0.0...	0.057	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.629
Cessna 172 Skyhawk	O-320	Cessn...	PP	Appro...	24....	8.7...	0.1...	0.123	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.823
Cessna 172 Skyhawk	O-320	Cessn...	PP	Taxi In	4.383	1.5...	0.0...	0.042	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.389
Cessna 182	IO-360-B	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 182	IO-360-B	Cessn...	PP	Taxi ...	8.982	2.5...	0.1...	0.123	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.847
Cessna 182	IO-360-B	Cessn...	PP	Takeoff	4.971	1.5...	0.0...	0.013	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.575
Cessna 182	IO-360-B	Cessn...	PP	Climb...	11....	3.5...	0.0...	0.029	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.537
Cessna 182	IO-360-B	Cessn...	PP	Appro...	27....	8.5...	0.0...	0.070	0.0...	0.0...	0.0...	0.0...	N/A	N/A	8.651
Cessna 182	IO-360-B	Cessn...	PP	Taxi In	3.607	1.0...	0.0...	0.046	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.143
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Taxi ...	27....	11....	0.6...	0.525	0.5...	0.5...	0.0...	0.0...	N/A	N/A	8.792
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Takeoff	24....	11....	0.1...	0.100	0.0...	0.1...	0.0...	0.0...	N/A	N/A	7.826
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Climb...	39....	19....	0.1...	0.166	0.1...	0.1...	0.0...	0.0...	N/A	N/A	12.653
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Appro...	176...	83....	0.8...	0.728	0.6...	0.8...	0.0...	0.0...	N/A	N/A	56.023
Cessna 210 Centurion	TIO-54...	Cessn...	PP	Taxi In	12....	5.0...	0.2...	0.201	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.838
Cessna 340	TIO-54...	Cessn...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cessna 340	TIO-54...	Cessn...	PP	Taxi ...	17....	7.0...	0.3...	0.323	0.3...	0.3...	0.0...	0.0...	N/A	N/A	5.406
Cessna 340	TIO-54...	Cessn...	PP	Takeoff	6.439	2.9...	0.0...	0.026	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.041
Cessna 340	TIO-54...	Cessn...	PP	Climb...	11....	5.3...	0.0...	0.047	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.634
Cessna 340	TIO-54...	Cessn...	PP	Appro...	33....	15....	0.1...	0.136	0.1...	0.1...	0.0...	0.0...	N/A	N/A	10.601
Cessna 340	TIO-54...	Cessn...	PP	Taxi In	8.142	3.4...	0.1...	0.126	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.581
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Startup	N/A	N/A	0.0...	0.053	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Taxi ...	61....	2.3...	2.3...	2.691	2.6...	2.6...	0.0...	0.0...	0.049	0.049	19.424
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Takeoff	15....	0.0...	0.0...	0.008	0.0...	0.0...	0.0...	0.0...	0.001	0.001	5.042
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Climb...	12....	0.0...	0.0...	0.004	0.0...	0.0...	0.0...	0.0...	0.003	0.003	3.912
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Appro...	19....	0.4...	0.3...	0.425	0.4...	0.4...	0.0...	0.0...	0.014	0.014	6.076
Cessna 560 Citation V	JT15D-...	Cessn...	JB	Taxi In	23....	0.8...	0.8...	1.012	1.0...	1.0...	0.0...	0.0...	0.019	0.019	7.457
Cirrus SR20	IO-360-B	Cirrus	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cirrus SR20	IO-360-B	Cirrus	PP	Taxi ...	8.982	2.5...	0.1...	0.123	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.847
Cirrus SR20	IO-360-B	Cirrus	PP	Takeoff	11....	3.9...	0.0...	0.028	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.556
Cirrus SR20	IO-360-B	Cirrus	PP	Climb...	21....	7.8...	0.0...	0.057	0.0...	0.0...	0.0...	0.0...	N/A	N/A	6.954
Cirrus SR20	IO-360-B	Cirrus	PP	Appro...	62....	22....	0.1...	0.161	0.1...	0.1...	0.0...	0.0...	N/A	N/A	19.825

Type	Engi...	ID	Eur...	Mode	C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Cirrus SR20	IO-360-B	Cirrus	PP	Taxi In	4.013	1.1...	0.0...	0.047	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.272
Dassault Falcon 50	TFE73...	Falco...	JB	Startup	N/A	N/A	0.0...	0.080	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Dassault Falcon 50	TFE73...	Falco...	JB	Taxi ...	80....	1.2...	0.2...	0.268	0.2...	0.2...	0.0...	0.0...	N/A	N/A	25.485
Dassault Falcon 50	TFE73...	Falco...	JB	Takeoff	40....	0.0...	0.0...	0.001	0.0...	0.0...	0.2...	0.0...	N/A	N/A	12.695
Dassault Falcon 50	TFE73...	Falco...	JB	Climb...	10....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.175
Dassault Falcon 50	TFE73...	Falco...	JB	Appro...	27....	0.2...	0.0...	0.045	0.0...	0.0...	0.0...	0.0...	N/A	N/A	8.732
Dassault Falcon 50	TFE73...	Falco...	JB	Taxi In	31....	0.4...	0.0...	0.100	0.1...	0.1...	0.0...	0.0...	N/A	N/A	9.984
Embraer EMB120 Br...	PW118	Embra...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Embraer EMB120 Br...	PW118	Embra...	TP	Taxi ...	712...	8.3...	0.0...	0.026	0.0...	0.0...	0.8...	0.2...	N/A	N/A	225.726
Embraer EMB120 Br...	PW118	Embra...	TP	Takeoff	97....	0.1...	0.0...	0.000	0.0...	0.0...	0.3...	0.0...	N/A	N/A	31.010
Embraer EMB120 Br...	PW118	Embra...	TP	Climb...	114...	0.0...	0.0...	0.000	0.0...	0.0...	0.4...	0.0...	N/A	N/A	36.360
Embraer EMB120 Br...	PW118	Embra...	TP	Appro...	125...	1.5...	0.0...	0.005	0.0...	0.0...	0.1...	0.0...	N/A	N/A	39.814
Embraer EMB120 Br...	PW118	Embra...	TP	Taxi In	267...	3.1...	0.0...	0.010	0.0...	0.0...	0.3...	0.1...	N/A	N/A	84.892
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Startup	N/A	N/A	0.0...	0.069	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Taxi ...	184...	1.5...	0.1...	0.134	0.1...	0.1...	0.2...	0.0...	0.009	0.009	58.403
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Takeoff	50....	0.0...	0.0...	0.000	0.0...	0.0...	0.2...	0.0...	0.006	0.006	16.105
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Climb...	53....	0.0...	0.0...	0.000	0.0...	0.0...	0.2...	0.0...	0.006	0.006	16.938
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Appro...	49....	0.2...	0.0...	0.012	0.0...	0.0...	0.0...	0.0...	N/A	N/A	15.755
Gulfstream V-SP	BR700-...	Gulfstr...	JB	Taxi In	72....	0.5...	0.0...	0.050	0.0...	0.0...	0.0...	0.0...	0.003	0.003	22.930
Lancair 360	IO-360-B	Lancair	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lancair 360	IO-360-B	Lancair	PP	Taxi ...	8.982	2.5...	0.1...	0.123	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.847
Lancair 360	IO-360-B	Lancair	PP	Takeoff	6.270	1.9...	0.0...	0.016	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.987
Lancair 360	IO-360-B	Lancair	PP	Climb...	11....	3.6...	0.0...	0.030	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.629
Lancair 360	IO-360-B	Lancair	PP	Appro...	24....	7.7...	0.0...	0.064	0.0...	0.0...	0.0...	0.0...	N/A	N/A	7.823
Lancair 360	IO-360-B	Lancair	PP	Taxi In	3.832	1.1...	0.0...	0.047	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.214
Mooney M20-K	TSIO-3...	Mooney	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mooney M20-K	TSIO-3...	Mooney	PP	Taxi ...	12....	2.4...	0.5...	0.490	0.4...	0.5...	0.0...	0.0...	N/A	N/A	4.047
Mooney M20-K	TSIO-3...	Mooney	PP	Takeoff	7.714	2.5...	0.0...	0.020	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.445
Mooney M20-K	TSIO-3...	Mooney	PP	Climb...	12....	4.1...	0.0...	0.033	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.953
Mooney M20-K	TSIO-3...	Mooney	PP	Appro...	55....	18....	0.1...	0.146	0.1...	0.1...	0.0...	0.0...	N/A	N/A	17.503
Mooney M20-K	TSIO-3...	Mooney	PP	Taxi In	5.294	1.0...	0.2...	0.182	0.1...	0.2...	0.0...	0.0...	N/A	N/A	1.678
Piper PA-28 Cheroke...	O-320	Archer	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cheroke...	O-320	Archer	PP	Taxi ...	10....	3.6...	0.1...	0.108	0.1...	0.1...	0.0...	0.0...	N/A	N/A	3.321
Piper PA-28 Cheroke...	O-320	Archer	PP	Takeoff	6.290	2.2...	0.0...	0.031	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.994
Piper PA-28 Cheroke...	O-320	Archer	PP	Climb...	12....	4.6...	0.0...	0.065	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.100
Piper PA-28 Cheroke...	O-320	Archer	PP	Appro...	32....	11....	0.1...	0.160	0.1...	0.1...	0.0...	0.0...	N/A	N/A	10.181
Piper PA-28 Cheroke...	O-320	Archer	PP	Taxi In	4.225	1.4...	0.0...	0.041	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.339
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Taxi ...	10....	3.6...	0.1...	0.108	0.1...	0.1...	0.0...	0.0...	N/A	N/A	3.321
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Takeoff	6.290	2.2...	0.0...	0.031	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.994
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Climb...	12....	4.6...	0.0...	0.065	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.100
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Appro...	32....	11....	0.1...	0.160	0.1...	0.1...	0.0...	0.0...	N/A	N/A	10.181
Piper PA-28 Cheroke...	O-320	Piper ...	PP	Taxi In	4.225	1.4...	0.0...	0.041	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.339
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Taxi ...	5.306	1.0...	0.0...	0.053	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.682
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Takeoff	15....	5.2...	0.0...	0.046	0.0...	0.0...	0.0...	0.0...	N/A	N/A	4.947
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Appro...	24....	8.2...	0.0...	0.073	0.0...	0.0...	0.0...	0.0...	N/A	N/A	7.728
Piper PA-30 Twin Co...	IO-320-...	Piper ...	PP	Taxi In	2.479	0.5...	0.0...	0.021	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.786
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Taxi ...	5.522	1.5...	0.0...	0.076	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.750
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Takeoff	4.277	1.4...	0.0...	0.011	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.356
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Climb...	7.615	2.7...	0.0...	0.020	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.414
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Appro...	22....	7.8...	0.0...	0.057	0.0...	0.0...	0.0...	0.0...	N/A	N/A	7.042
Piper PA-34 Seneca	IO-360-B	Diamo...	PP	Taxi In	3.269	1.0...	0.0...	0.031	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.036
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Taxi ...	35....	1.9...	0.6...	0.792	0.7...	0.7...	0.0...	0.0...	N/A	N/A	11.122
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Takeoff	11....	0.0...	0.0...	0.010	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.716
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Climb...	0.809	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.256
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Appro...	7.993	0.4...	0.1...	0.170	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.533
Raytheon Beech 190...	PT6A-6...	Beech...	TP	Taxi In	13....	0.7...	0.2...	0.294	0.2...	0.2...	0.0...	0.0...	N/A	N/A	4.148
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Taxi ...	17....	7.0...	0.3...	0.323	0.3...	0.3...	0.0...	0.0...	N/A	N/A	5.406
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Takeoff	11....	5.1...	0.0...	0.045	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.533
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Climb...	19....	9.4...	0.0...	0.082	0.0...	0.0...	0.0...	0.0...	N/A	N/A	6.290
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Appro...	57....	27....	0.2...	0.238	0.2...	0.2...	0.0...	0.0...	N/A	N/A	18.351
Raytheon Beech 60 ...	TIO-54...	Beech...	PP	Taxi In	9.500	4.0...	0.1...	0.132	0.1...	0.1...	0.0...	0.0...	N/A	N/A	3.011
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Taxi ...	17....	7.0...	0.3...	0.323	0.3...	0.3...	0.0...	0.0...	N/A	N/A	5.406
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Takeoff	3.980	1.6...	0.0...	0.015	0.0...	0.0...	0.0...	0.0...	N/A	N/A	1.261

Type	Engi...	ID	Eur...	Mode	C...	CO	T...	N...	V...	T...	N...	S...	P...	P...	Fuel C...
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Climb...	7.085	3.0...	0.0...	0.028	0.0...	0.0...	0.0...	0.0...	N/A	N/A	2.246
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Appro...	20....	8.7...	0.0...	0.080	0.0...	0.0...	0.0...	0.0...	N/A	N/A	6.552
Raytheon Beech Bar...	TIO-54...	Beech...	PP	Taxi In	7.432	3.0...	0.1...	0.123	0.1...	0.1...	0.0...	0.0...	N/A	N/A	2.356
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi ...	27....	11....	0.6...	0.525	0.5...	0.5...	0.0...	0.0...	N/A	N/A	8.792
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Takeoff	16....	7.6...	0.0...	0.066	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.198
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Climb...	26....	12....	0.1...	0.110	0.1...	0.1...	0.0...	0.0...	N/A	N/A	8.405
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Appro...	117...	55....	0.5...	0.484	0.4...	0.5...	0.0...	0.0...	N/A	N/A	37.213
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi In	11....	4.7...	0.2...	0.199	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.637
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi ...	27....	11....	0.6...	0.525	0.5...	0.5...	0.0...	0.0...	N/A	N/A	8.792
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Takeoff	16....	7.6...	0.0...	0.066	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.198
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Climb...	26....	12....	0.1...	0.110	0.1...	0.1...	0.0...	0.0...	N/A	N/A	8.405
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Appro...	117...	55....	0.5...	0.484	0.4...	0.5...	0.0...	0.0...	N/A	N/A	37.213
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi In	11....	4.7...	0.2...	0.199	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.637
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi ...	27....	11....	0.6...	0.525	0.5...	0.5...	0.0...	0.0...	N/A	N/A	8.792
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Takeoff	16....	7.6...	0.0...	0.066	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.198
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Climb...	26....	12....	0.1...	0.110	0.1...	0.1...	0.0...	0.0...	N/A	N/A	8.405
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Appro...	117...	55....	0.5...	0.484	0.4...	0.5...	0.0...	0.0...	N/A	N/A	37.213
Raytheon Beech Bon...	TIO-54...	Beech...	PP	Taxi In	11....	4.7...	0.2...	0.199	0.1...	0.2...	0.0...	0.0...	N/A	N/A	3.637
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Startup	N/A	N/A	0.0...	0.053	0.0...	0.0...	N/A	N/A	N/A	N/A	N/A
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Taxi ...	61....	2.3...	2.3...	2.691	2.6...	2.6...	0.0...	0.0...	0.049	0.049	19.424
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Takeoff	19....	0.1...	0.0...	0.016	0.0...	0.0...	0.0...	0.0...	0.001	0.001	6.024
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Climb...	3.053	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	0.001	0.001	0.968
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Appro...	11....	0.4...	0.4...	0.482	0.4...	0.4...	0.0...	0.0...	0.008	0.008	3.756
Raytheon Beechjet 4...	JT15D-...	Beech...	JB	Taxi In	23....	0.8...	0.8...	1.010	1.0...	1.0...	0.0...	0.0...	0.019	0.019	7.412
Raytheon King Air 90	PT6A-28	King A...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon King Air 90	PT6A-28	King A...	TP	Taxi ...	77....	0.4...	0.0...	0.034	0.0...	0.0...	0.1...	0.0...	N/A	N/A	24.711
Raytheon King Air 90	PT6A-28	King A...	TP	Takeoff	17....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.453
Raytheon King Air 90	PT6A-28	King A...	TP	Climb...	24....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	7.780
Raytheon King Air 90	PT6A-28	King A...	TP	Appro...	41....	0.1...	0.0...	0.009	0.0...	0.0...	0.0...	0.0...	N/A	N/A	13.300
Raytheon King Air 90	PT6A-28	King A...	TP	Taxi In	29....	0.1...	0.0...	0.013	0.0...	0.0...	0.0...	0.0...	N/A	N/A	9.215
Raytheon Super Kin...	PT6A-42	King A...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-42	King A...	TP	Taxi ...	63....	1.5...	0.3...	0.409	0.4...	0.4...	0.0...	0.0...	N/A	N/A	20.215
Raytheon Super Kin...	PT6A-42	King A...	TP	Takeoff	10....	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.393
Raytheon Super Kin...	PT6A-42	King A...	TP	Climb...	16....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.243
Raytheon Super Kin...	PT6A-42	King A...	TP	Appro...	24....	0.5...	0.1...	0.144	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.765
Raytheon Super Kin...	PT6A-42	King A...	TP	Taxi In	23....	0.5...	0.1...	0.152	0.1...	0.1...	0.0...	0.0...	N/A	N/A	7.508
Raytheon Super Kin...	PT6A-6...	King A...	TP	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Raytheon Super Kin...	PT6A-6...	King A...	TP	Taxi ...	74....	3.6...	0.6...	0.705	0.7...	0.7...	0.0...	0.0...	N/A	N/A	23.596
Raytheon Super Kin...	PT6A-6...	King A...	TP	Takeoff	10....	0.0...	0.0...	0.003	0.0...	0.0...	0.0...	0.0...	N/A	N/A	3.393
Raytheon Super Kin...	PT6A-6...	King A...	TP	Climb...	16....	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	5.243
Raytheon Super Kin...	PT6A-6...	King A...	TP	Appro...	24....	1.2...	0.2...	0.236	0.2...	0.2...	0.0...	0.0...	N/A	N/A	7.765
Raytheon Super Kin...	PT6A-6...	King A...	TP	Taxi In	27....	1.3...	0.2...	0.262	0.2...	0.2...	0.0...	0.0...	N/A	N/A	8.754
Robinson R22	O-320	R22	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R22	O-320	R22	H1	Taxi ...	0.057	0.0...	0.0...	0.001	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.018
Robinson R22	O-320	R22	H1	Takeoff	0.001	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.000
Robinson R22	O-320	R22	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R22	O-320	R22	H1	Appro...	0.044	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.014
Robinson R22	O-320	R22	H1	Taxi In	0.024	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.008
Robinson R44 Raven	TIO-54...	R44	H1	Startup	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-54...	R44	H1	Taxi ...	0.273	0.1...	0.0...	0.005	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.086
Robinson R44 Raven	TIO-54...	R44	H1	Takeoff	0.003	0.0...	0.0...	0.000	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.001
Robinson R44 Raven	TIO-54...	R44	H1	Climb...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Robinson R44 Raven	TIO-54...	R44	H1	Appro...	0.164	0.0...	0.0...	0.002	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.052
Robinson R44 Raven	TIO-54...	R44	H1	Taxi In	0.115	0.0...	0.0...	0.002	0.0...	0.0...	0.0...	0.0...	N/A	N/A	0.037

Vehicular Source Emissions Inventory

(Short Tons per Year)

Baseline - Oxnard 2015

Name	Type	CO	THC	NMHC	VOC	TOG	NOx	SOx	PM-10	PM-2.5
Parking	Parking	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Roadway	Roadway	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000