OFFROAD Emissions (Tons per day)								
	ROG Exhaust	CO Exhaust	NOX Exhaust	SO2 Exhaust	PM Exhaust	CO_2 Exhaust	N_2O Exhaust	CH_4 Exhaust
2014	3.34E-03	5.02E-03	1.14E-02	6.82E-06	2.93E-04	6.06E-01	0.00E+00	3.01E-04
2015	3.44E-03	5.17E-03	1.18E-02	7.03E-06	3.03E-04	6.25E-01	0.00E+00	3.10E-04
2016	3.55E-03	5.33E-03	1.21E-02	7.25E-06	3.14E-04	6.45E-01	0.00E+00	3.20E-04
2017	3.66E-03	5.50E-03	1.25E-02	7.48E-06	3.24E-04	6.65E-01	0.00E+00	3.30E-04
2018	3.77E-03	5.67E-03	1.29E-02	7.71E-06	3.36E-04	6.85E-01	0.00E+00	3.40E-04
2019	3.89E-03	5.84E-03	1.33E-02	7.95E-06	3.47E-04	7.06E-01	0.00E+00	3.51E-04
2020	4.01E-03	6.02E-03	1.37E-02	8.19E-06	3.59E-04	7.28E-01	0.00E+00	3.62E-04
2021	4.13E-03	6.21E-03	1.41E-02	8.45E-06	3.72E-04	7.51E-01	0.00E+00	3.73E-04

Notes

[1] Assumes one diesel powered pleasure craft (max Hp 250) operating during the summer season in the Lake Tahoe portion of Placer County

Emission Factor = (tons/day) X (1/P) X (2000 lb/ton) X (1/Hp)X (0.35)

Where

Tons/day = Emissions summarized above

HP = 225

Emission Factor (pounds/ break horsepower-hour)								
	ROG Exhaust	CO Exhaust	NOX Exhaust	SO2 Exhaust	PM Exhaust	CO_2 Exhaust	N_2O Exhaust	CH_4 Exhaust
2014	3.416E-04	5.134E-04	1.169E-03	6.985E-07	2.996E-05	6.208E-02	0.000E+00	3.082E-05
2015	3.522E-04	5.293E-04	1.205E-03	7.201E-07	3.101E-05	6.400E-02	0.000E+00	3.178E-05
2016	3.631E-04	5.457E-04	1.243E-03	7.424E-07	3.210E-05	6.598E-02	0.000E+00	3.276E-05
2017	3.743E-04	5.625E-04	1.281E-03	7.653E-07	3.321E-05	6.802E-02	0.000E+00	3.377E-05
2018	3.859E-04	5.799E-04	1.321E-03	7.890E-07	3.435E-05	7.012E-02	0.000E+00	3.482E-05
2019	3.978E-04	5.979E-04	1.362E-03	8.134E-07	3.553E-05	7.229E-02	0.000E+00	3.589E-05
2020	4.101E-04	6.164E-04	1.404E-03	8.386E-07	3.676E-05	7.453E-02	0.000E+00	3.700E-05
2021	4.228E-04	6.354E-04	1.448E-03	8.645E-07	3.803E-05	7.683E-02	0.000E+00	3.815E-05

Daily Emissions (pounds per day) = (Emission Factor) X (12 hours) X (450 Hp)

Daily Emissions (pounds per day)								
	ROG Exhaust	CO Exhaust	NOX Exhaust	SO2 Exhaust	PM Exhaust	CO_2 Exhaust	N_2O Exhaust	CH_4 Exhaust
2014	1.84	2.77	6.31	0.00	0.16	335	0.00	0.17
2015	1.90	2.86	6.51	0.00	0.17	346	0.00	0.17
2016	1.96	2.95	6.71	0.00	0.17	356	0.00	0.18
2017	2.02	3.04	6.92	0.00	0.18	367	0.00	0.18
2018	2.08	3.13	7.13	0.00	0.19	379	0.00	0.19
2019 [2]	2.15	3.23	7.36	0.00	0.19	390	0.00	0.19
2020 [2]	2.21	3.33	7.58	0.00	0.20	402	0.00	0.20
2021 [2]	2.28	3.43	7.82	0.00	0.21	415	0.00	0.21

Notes

[1] Assumes two engines operating at 225 Hp

[2] Assumes the operation of two water taxis

Daily Hybrid Emissions = (Daily Emissions) X 0.30

Daily Hybrid Emissions (pounds per day)									
	ROG Exhaust	CO Exhaust	NOX Exhaust	SO2 Exhaust	PM10 Exhaust[1]	PM2.5 Exhuast[2]	CO_2 Exhaust[3]	N_2O Exhaust[3]	CH_4 Exhaust[3]
2014	0.55	0.83	1.89	0.00	0.05	0.04	6	0.00	0.00
2015	0.57	0.86	1.95	0.00	0.05	0.05	6	0.00	0.00
2016	0.59	0.88	2.01	0.00	0.05	0.05	6	0.00	0.00
2017	0.61	0.91	2.08	0.00	0.05	0.05	6	0.00	0.00
2018	0.63	0.94	2.14	0.00	0.06	0.05	6	0.00	0.00
2019 [4]	0.64	0.97	2.21	0.00	0.06	0.05	6	0.00	0.00
2020 [4]	0.66	1.00	2.28	0.00	0.06	0.05	7	0.00	0.00
2021 [4]	0.68	1.03	2.35	0.00	0.06	0.06	7	0.00	0.00

Notes

[1] PM10 assumed to be 100% of total PM

[2] PM2.5 assumed to be 92% of total PM

[3] Presented in metric tons per year (assumed 122 operatoinal days per year)

[4] Assumes the operation of two water taxis