

**Appendix Q: Demonstration Showing Historical
Emissions are Less Than the PTE**

Demonstration Showing Past Emissions Were Less Than the PTE (TPY)

Maui Island						
Year	Kahului Generating Station			Maalaea Generating Station		
	PM10	Sulfur Dioxide	Nitrogen Oxides	PM10	Sulfur Dioxide	Nitrogen Oxides
2020	69.0	1,797.5	513.8	111.9	411.1	2,513.1
2019	84.2	2,316.1	615.5	135.2	427.9	3,062.5
2018	77.3	1,953.1	577.1	124.6	201.9	2,290.3
2017	84.3	2,220.8	603.4	144.3	235.1	2,786.1
2016	60.8	1,700.5	473.4	173.6	556.7	2,532.0
2015	44.5	1,311.0	360.6	178.5	599.8	2,408.8
2014	59.8	1,634.3	483.2	148.2	549.5	2,113.5
2013	59.6	1,399.7	457.4	149.8	465.2	1,899.2
2012	78.3	1,911.7	600.1	170.6	508.7	2,375.4
2011	84.7	2,229.6	648.3	187.3	688.0	2,894.0
PTE	1,206.5	5,219.1	1,472.0	831.6	3,523.9	14,790.1

Hawaii Island						
Year	Kanoehua-Hill Generating Station			Puna Generating Station		
	PM10	Sulfur Dioxide	Nitrogen Oxides	PM10	Sulfur Dioxide	Nitrogen Oxides
2020	556.8	2,133.6	626.5	26.4	444.4	71.5
2019	57.3	2,198.6	622.3	30.3	527.2	80.3
2018	452.6	1,819.1	570.3	17.7	288.1	52.6
2017	557.2	2,167.2	609.4	10.9	186.8	29.5
2016	749.3	2,770.2	805.8	9.3	160.3	24.7
2015	58.4	2,079.3	639.3	5.6	96.9	20.7
2014	561.1	1,851.7	611.3	29.1	524.2	70.1
2013	56.4	1,794.8	625.9	49.5	876.3	123.1
2012	56.2	1,798.1	602.1	46.8	822.1	113.8
2011	62.5	2,251.7	668.0	49.3	890.3	116.3
PTE	800.0	3,872.0	3,556.0	399.0	2,882.0	1,025.0

Hawaii Island			
Year	Mauna Loa Macadamia Nut Plant		
	PM10	Sulfur Dioxide	Nitrogen Oxides
2020	23.9	2.1	50.0
2018	34.0	3.0	59.5
2017	35.9	2.9	69.2
2016	31.9	4.6	63.2
2015	16.4	4.3	63.0
2014	19.5	6.2	70.5
2013	19.7	6.9	74.6
PTE	62.0	53.0	117.0