

**Table 6 A  
Fresh Meadows  
Greenhouse Gas (GHG)  
40 CFR Part 98  
Actual Emissions  
Average Gas and Oil Consumption: 2011 - 2021**

Pollutant	CAS #	Table C1 EF			Global Warming Potential (100 years)
		Natural Gas	Distillate Oil kg CO <sub>2</sub> /mmBtu	Residual Oil	
Carbon Dioxide	124-38-9	5.30E+01	7.40E+01	75.1	1
Nitrous Oxide	10024-97-2				310
Methane	74-82-8				21

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	Table C1			Table C2					
	Carbon Dioxide (CO <sub>2</sub> )			Nitrous Oxide (N <sub>2</sub> O)			Methane (CH <sub>4</sub> )		
	Natural Gas	#6-oil	#2-oil	Natural Gas	#6-oil	#2-oil	Natural Gas	#6-oil	#2-oil
HHV 10 <sup>6</sup> Btu/ scf	0.001028			0.001028			0.001028		
EF kg [Contam.] / 10 <sup>6</sup> Btu	53.02	75.1	73.96	0.0001	0.006	0.006	0.001	0.003	0.006
HHV 10 <sup>6</sup> Btu/ gallon		0.15	0.138		0.15	0.15		0.15	0.15

Conversion Factor Table A-2  
 Lbs/Kg      Metric Tons /Short Tons      2000  
 2.20462      0.90718      2204.63414

EF lbs [Contam.] / 10 <sup>6</sup> Btu	116.9	165.6	163.1	0.00022	0.0132	0.0132	0.0022	0.00661	0.01323
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PTE Fuel Use		PTE Annual Emissions (Metric Tons)				(Metric Tons/yr)				Notes
		CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>		CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	Annual Total	
Nat Gas (SCF) - Actual Firing Rate	258,141,444	17096	0.03	0	Nat Gas (SCF)	17096	10	7	17113	2
Distillate Oil (Gal)-Emergency Generators		0	0.00000	0.0000	Distillate Oil (Gal)	0	0.00	0.000	0	3
Distillate #2 Oil (Gal) - Boilers	84,352	1155	0.092	0.00	#2-Oil (Gal)	1155	29	0.013	1183	2
<b>Totals</b>		<b>18251</b>	<b>0</b>	<b>0</b>		<b>18251</b>	<b>39</b>	<b>6.78</b>	<b>18296</b>	
						2204.6	lbs/metric ton			
						40236489	lbs CO <sub>2</sub> e/yr			
									<b>40336528</b>	
										<b>40.34 X10<sup>6</sup> lbs.</b>

Notes:

- 1 Global warming potentials are from Table A-1 Subpart A of Part 98.
- 2 Part 98 Subpart C-98.30(a): Stationary Steam Generating Boilers
- 3 Part 98 Subpart C-98.30(b)(2): Emergency Generators are Exempt

