

Seneca Cogeneration Plant vs. Natural Gas

Seneca's proposed cogeneration plant would produce significantly more emissions than a natural gas facility of the same capacity.

Pollutant	Natural Gas Emissions			Predicted Seneca Emissions*	
	EPA Factor for Natural Gas Combustion (lb/10x6 scf)	lb/MMBtu	lb/year	ton/year	ton/year
CO	84	0.082352941	254514.0706	127.2570353	200.89
Nox	76	0.074509804	230274.6353	115.1373176	185.61
Lead	0.0005	4.90196E-07	1.514964706	0.000757482	0.005
SO2	0.6	0.000588235	1817.957647	0.908978824	38.64
PM	7.6	0.00745098	23027.46353	11.51373176	13.24
VOC	5.5	0.005392157	16664.61176	8.332305882	7.73
Benzene	2.10E-03	2.05882E-06	6.362851765	0.003181426	0.185
Formaldehyde	7.50E-02	7.35294E-05	227.2447059	0.113622353	1.7

*Source: Seneca's Air Contaminant Discharge Permit Application