

**Middletown Cogeneration Project**

**Equipment Maximum Fuel Usage**

		Annual		Hourly - Avg			
		BFG	NG	BFG	Hours	NG	Hours
		MMBtu HHV dry	MMBtu HHV dry	MMBtu HHV dry		MMBtu HHV dry	
<b>Gas Turbine</b>							
MWERF-1	GT using 1,100 MMBtu/hr BFG	9,636,000		1100	8760		
MWERF1-MSS-1	<b>BF Down</b> - GT on Nat Gas at Rate of 1,100 MMBtu/hr		9,636,000			1100	8760
<b>Max Annual Fuel Usage - Gas Turbine</b>		<b>9,636,000</b>	<b>9,636,000</b>				
<b>Boilers (Combined Usage)</b>							
Boilers at 703 Combined MMBtu/hr - HHV dry		5,837,664	317,112	666	8760	36	8760
Boilers at 740 MMBtu/hr Natural Gas Only			6,482,400			740	8760
<b>Max Annual Fuel Usage - Boilers</b>		<b>5,837,664</b>	<b>6,482,400</b>	<b>666</b>		<b>740</b>	
<b>10% Natural Gas Capacity Level</b>			<b>583,766</b>				
<b>Flare</b>							
MWERF-4	<b>Routine</b> - Flare with pilot flame only		18,747	1,600		2.1	8760

<b>Facility</b>	<b>15,473,664</b>	<b>16,137,147</b>	Unrestricted
	<b>12,702,000</b>	<b>10,238,514</b>	Permit - Based on maximum of 1,450 MMBtu/hr BFG consistent with SO2 calculations.
			10 % limit of NG to Boilers