



**City of Malden**  
**Power Plant Name: Malden**  
**Electric Generation and Emissions in 2011**

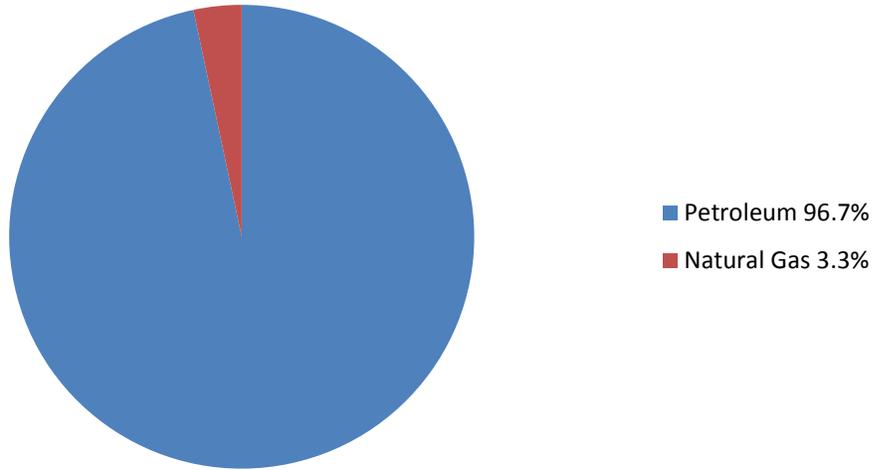
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
<b>Non-renewable sources</b>						
Coal						
Natural Gas	33	3.6%	3.6%	3	3.3%	3.3%
Petroleum	882	96.4%	96.4%	86	96.7%	96.7%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>915</b>	<b>100.0%</b>	<b>100.0%</b>	<b>89</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>915</b>		<b>100.0%</b>	<b>89</b>		<b>100.0%</b>

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	38
Distillate Fuel Oil	Barrels	152



### Net Generation by Fuel Type, 2011 for Malden





Power Plant Nameplate information for Malden

<b>Plant Name</b>	<b>County Location</b>	<b>Generator</b>	<b>Generator Type</b>	<b>Generator Status</b>	<b>Nameplate Capacity (MW)</b>
<i>Malden</i>		<i>All Operating Generators</i>			<i>69.2</i>
Malden	Dunklin	1	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	5.6
Malden	Dunklin	2A	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	7.2
Malden	Dunklin	3A	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	7.2
Malden	Dunklin	4A	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	7.2
Malden	Dunklin	5	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	5.6
Malden	Dunklin	6	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	8.0
Malden	Dunklin	7	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	11.2
Malden	Dunklin	8	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	17.2



Emissions from Electricity Generated in 2011: Malden

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
Malden	1,268	293	12	2

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
Malden	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Malden power plant

<b>Plant</b>	<b>Control Equipment</b>	<b>Sorbent Type</b>
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Malden power plant

<b>Plant</b>	<b>Control Equipment</b>
	No FGP Controls Installed



Missouri  
Department of  
Natural Resources

**Notes:**

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,  
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>