



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

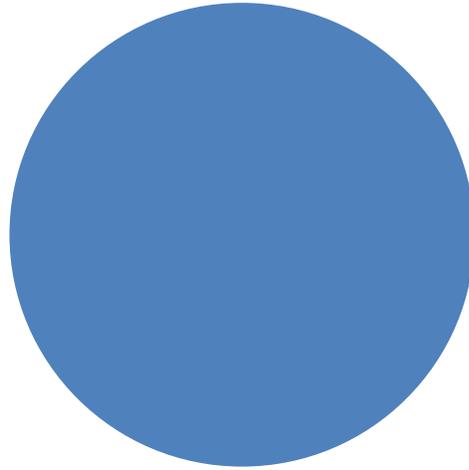
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas						
Petroleum	994	100.0%	100.0%	-194	100.0%	100.0%
Nuclear						
Other						
Non-renewable total	994	100.0%	100.0%	-194	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	994		100.0%	-194		100.0%

Fuel Type	Physical Units	Number of Units
Distillate Fuel Oil	Barrels	180



Net Generation by Fuel Type, 2011 for Unionville City of



■ Petroleum 100.0%



Power Plant Nameplate information for Unionville City of

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Unionville City of</i>		<i>All Operating Generators</i>			34.8
Unionville	Putnam	1	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	0.8
Unionville	Putnam	2	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	1.7
Unionville	Putnam	3	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	0.2
Unionville	Putnam	4	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	1.0
Unionville	Putnam	5	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	0.3
Unionville	Putnam	6	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	0.3
Unionville	Putnam	7	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	1.1
Unionville	Putnam	8	Internal Combustion Engine (diesel,	Operating - in service	1.3



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			piston, reciprocating)		
Unionville	Putnam	9	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	2.0
Unionville City of	Putnam	1	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	2.4
Unionville City of	Putnam	2	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	5.1
Unionville City of	Putnam	3	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	0.6
Unionville City of	Putnam	4	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	3.0
Unionville City of	Putnam	5	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	0.9
Unionville City of	Putnam	6	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	0.9
Unionville City of	Putnam	7	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	3.3
Unionville City of	Putnam	8	Internal Combustion Engine (diesel,	Operating - in service	3.9



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			piston, reciprocating)		
Unionville City of	Putnam	9	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	6.0



Emissions from Electricity Generated in 2011: Unionville City of

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Unionville City of	1,412	321	13	3

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Unionville City of	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Unionville City of power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Unionville City of power plant

Plant	Control Equipment
	No FGP Controls Installed



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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>