

EEI ESG/Sustainability Template – Section 2: Quantitative Information

Disclaimer: All information below is being provided on a voluntary basis, and as such, companies may elect to include or exclude any of the topics outlined below and customize the template to their specific needs. The decision to include data for historical and future years is at the discretion of each company and the specific years (e.g., historical baseline) should be chosen as appropriate for each company.

Parent Company: MGE Energy
Operating Company(s): Madison Gas and Electric Company
Business Type(s): Vertically Integrated electric utility and natural gas local distribution company
State(s) of Operation: Wisconsin
State(s) with RPS Programs: Wisconsin
Regulatory Environment: Public Service Commission of Wisconsin (PSCW), and Federal, state and local laws and regulations
Report Date: October, 2018

Ref. No.	Current Year 2017	Comments, Links, Additional Information, and Notes
Refer to the Definitions tab for more information on each metric		
Portfolio		
1	Owned Nameplate Generation Capacity at end of year (MW)	
1.1	Coal	324
1.2	Natural Gas	452
1.3	Nuclear	0
1.4	Petroleum	54
1.5	Total Renewable Energy Resources	
1.5.1	Biomass/Biogas	0
1.5.2	Geothermal	0
1.5.3	Hydroelectric	0
1.5.4	Solar	0
1.5.5	Wind	41
1.6	Other	0
Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options		
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2.i	Owned Net Generation for the data year (MWh)	2,311,319
2.1.i	Coal	1,821,381
2.2.i	Natural Gas	390,359
2.3.i	Nuclear	
2.4.i	Petroleum	491
2.5.i	Total Renewable Energy Resources	99,087
2.5.1.i	Biomass/Biogas	
2.5.2.i	Geothermal	
2.5.3.i	Hydroelectric	
2.5.4.i	Solar	57
2.5.5.i	Wind	99,030
2.6.i	Other	
2.ii	Purchased Net Generation for the data year (MWh)	1,146,869
2.1.ii	Coal	
2.2.ii	Natural Gas	
2.3.ii	Nuclear	
2.4.ii	Petroleum	
2.5.ii	Total Renewable Energy Resources	
2.5.1.ii	Biomass/Biogas	42,669
2.5.2.ii	Geothermal	
2.5.3.ii	Hydroelectric	
2.5.4.ii	Solar	1,753
2.5.5.ii	Wind	263,455
2.6.ii	Other	838,992
3	Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters	
3.1	Total Annual Capital Expenditures (nominal dollars)	\$ 108,131,000
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	44,234
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	4,768,849
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)	6%
4	Retail Electric Customer Count (at end of year)	
4.1	Commercial	20,470
4.2	Industrial	40
4.3	Residential	132,091

Emissions		
5	GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e) <i>Note: The alternatives available below are intended to provide flexibility in reporting GHG emissions, and should be used to the extent appropriate for each company.</i>	
5.1	Owned Generation (1) (2) (3)	
5.1.1	Carbon Dioxide (CO2)	
5.1.1.1	Total Owned Generation CO2 Emissions (MT)	2,058,989
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.891
5.1.2	Carbon Dioxide Equivalent (CO2e)	
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	
5.2	Purchased Power (4)	
5.2.1	Carbon Dioxide (CO2)	
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)	466,385
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.407
5.2.2	Carbon Dioxide Equivalent (CO2e)	
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	
5.3	Owned Generation + Purchased Power	
5.3.1	Carbon Dioxide (CO2)	
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions (MT)	2,525,374
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.73
5.3.2	Carbon Dioxide Equivalent (CO2e)	
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	
5.4	Non-Generation CO2e Emissions	
5.4.1	Fugitive CO2e emissions of sulfur hexafluoride (MT) (5)	
5.4.2	Fugitive CO2e emissions from natural gas distribution (MT) (6)	
6	Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)	
6.1	Generation basis for calculation (7)	Total
		Denominator includes all owned generation MWh
6.2	Nitrogen Oxide (NOx)	
6.2.1	Total NOx Emissions (MT)	972
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)	0.000421
6.3	Sulfur Dioxide (SO2)	
6.3.1	Total SO2 Emissions (MT)	388
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)	0.000168
6.4	Mercury (Hg)	
6.4.1	Total Hg Emissions (kg)	4.37
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)	0.00000189
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Resources		
7	Human Resources	
7.1	Total Number of Employees	711
7.2	Total Number on Board of Directors/Trustees	9
7.3	Total Women on Board of Directors/Trustees	2
7.4	Total Minorities on Board of Directors/Trustees	0
7.5	Employee Safety Metrics	
7.5.1	Recordable Incident Rate	3.06
7.5.2	Lost-time Case Rate	1.90
7.5.3	Days Away, Restricted, and Transfer (DART) Rate	1.90
7.5.4	Work-related Fatalities	0
8	Fresh Water Resources	
8.1	Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000022
8.2	Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	0.0000452
9	Waste Products	
9.1	Percent of Non-Hazardous Waste Diverted	47%
9.2	Percent of Coal Combustion Products Beneficially Used	69.2%
Additional Metrics (Optional)		
Insert additional rows in this section as necessary.		