



## ESG/Sustainability Template – Section 2: Quantitative Information

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**Parent Company:** CH Energy Group  
**Operating Company(s):** Central Hudson Gas and Electric Corporation  
**Business Type(s):** Transmission and Distribution Only  
**State(s) of Operation:** New York  
**State(s) with RPS Programs:** N/A  
**Regulatory Environment:** Regulated

**Report Date:** 8/31/2018

Ref. No.	Baseline	Last Year	Current Year	Next Year	Future Year	Comments, Additional Information and Notes
	2016	2016	2017	2018		

Portfolio						
<b>1</b>	<b>Owned Nameplate Generation Capacity at end of year (MW)</b>					
1.1	Coal					
1.2	Natural Gas	21	21	21	21	
1.3	Nuclear					
1.4	Petroleum	22	22	22	22	
1.5	Total Renewable Energy Resources					
1.5.1	Biomass/Biogas					
1.5.2	Geothermal					
1.5.3	Hydroelectric	22	22	22	22	
1.5.4	Solar					
1.5.5	Wind					
1.6	Other					
<b>2.i</b>	<b>Owned Net Generation for the data year (MWh)</b>					
2.1.i	Coal					
2.2.i	Natural Gas	505	505	405	500	
2.3.i	Nuclear					
2.4.i	Petroleum	60	60	59	75	
2.5.i	Total Renewable Energy Resources					
2.5.1.i	Biomass/Biogas					
2.5.2.i	Geothermal					
2.5.3.i	Hydroelectric	41,393	41,393	51,353	48,900	
2.5.4.i	Solar					
2.5.5.i	Wind					
2.6.i	Other					
		5,111,000	5,111,000	4,891,000		
<b>2.ii</b>	<b>Purchased Net Generation for the data year (MWh)</b>					
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					
2.5.2.ii	Geothermal					
2.5.3.ii	Hydroelectric					
2.5.4.ii	Solar					
2.5.5.ii	Wind					
2.6.ii	Other					
<b>3</b>	<b>Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters</b>					
3.1	Total Annual Capital Expenditures (nominal dollars)	\$175,950,138	\$175,950,138	\$172,073,303		
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	51,276	51,276	54,999	63,658*	*Note: Reflects Midpoint Energy Efficiency EAM target in gross MWh, based on Appendix W of Current Central Hudson Rate Order
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$6,472,380	\$6,472,380	\$4,902,199	\$9,126,000**	**Note: Reflects prorated Electricity Energy Efficiency rate allowance for Rate Year 1
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)	0.02%	0.02%	0.05%		
<b>4</b>	<b>Retail Electric Customer Count (at end of year)</b>					
4.1	Commercial	46,470	46,470	46,058		
4.2	Industrial	1,049	1,049	1,015		
4.3	Residential	266,061	266,061	257,311		



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Ref. No.		Baseline	Last Year	Current Year	Next Year	Future Year	Comments, Additional Information and Notes	
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<b>Emissions</b>								
<b>5</b>	<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>							
<b>5.1</b>	<b>Owned Generation (1) (2) (3)</b>							
5.1.1	Carbon Dioxide (CO2)							
5.1.1.1	Total Owned Generation CO2 Emissions (MT)	493	493	411	476		Includes facilities not subject to GHG Reporting (emissions below reporting threshold)	
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.012	0.012	0.008	0.010			
5.1.2	Carbon Dioxide Equivalent (CO2e)							
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	825	825	411.5	871		Includes facilities not subject to GHG Reporting (emissions below reporting threshold)	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.020	0.020	0.008	0.018			
<b>5.2</b>	<b>Purchased Power (4)</b>							
5.2.1	Carbon Dioxide (CO2)							
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)	683,207	683,207	653,798			Purchase power emissions factor taken from EPA eGRID, NPCC Region	
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Electricity Sales MWh)	0.134	0.134	0.134				
5.2.2	Carbon Dioxide Equivalent (CO2e)							
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	686,086	686,086	656,553			Purchase power emissions factor taken from EPA eGRID, NPCC Region	
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Electricity Sales MWh)	0.134	0.134	0.134				
<b>5.3</b>	<b>Owned Generation + Purchased Power</b>							
5.3.1	Carbon Dioxide (CO2)							
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions (MT)	683,700	683,700	654,209			Includes facilities not subject to GHG Reporting (emissions below reporting threshold) / Purchase power emissions factor taken from EPA eGRID, NPCC Region	
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Electricity Sales MWh)	0.134	0.134	0.134				
5.3.2	Carbon Dioxide Equivalent (CO2e)							
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	686,910	686,910	656,965			Includes facilities not subject to GHG Reporting (emissions below reporting threshold) / Purchase power emissions factor taken from EPA eGRID, NPCC Region	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Electricity Sales MWh)	0.134	0.134	0.134				
<b>5.4</b>	<b>Non-Generation CO2e Emissions</b>							
5.4.1	Fugitive CO2e emissions of sulfur hexafluoride (MT) (5)	3,019	3,019	3,019				
5.4.2	Fugitive CO2e emissions from natural gas distribution (MT) (6)	26,035	26,035	26,499				
<b>6</b>	<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>							
6.1	Generation basis for calculation (7)	Other						
<b>6.2</b>	<b>Nitrogen Oxide (NOx)</b>							
6.2.1	Total NOx Emissions (MT)							
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)							
<b>6.3</b>	<b>Sulfur Dioxide (SO2)</b>							
6.3.1	Total SO2 Emissions (MT)							
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)							
<b>6.4</b>	<b>Mercury (Hg)</b>							
6.4.1	Total Hg Emissions (kg)							
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)							



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<b>Resources</b>							
<b>7</b>	<b>Human Resources</b>						
7.1	Total Number of Employees	1,000	1,000	1,000			
7.2	Total Number on Board of Directors/Trustees	11	11	11			
7.3	Total Women on Board of Directors/Trustees	4	4	4			
7.4	Total Minorities on Board of Directors/Trustees	1	1	1			
7.5	Employee Safety Metrics						
7.5.1	Recordable Incident Rate	4.05	4.05	4.50			
7.5.2	Lost-time Case Rate	0.60	0.60	0.60			
7.5.3	Days Away, Restricted, and Transfer (DART) Rate	1.12	1.12	1.90			
7.5.4	Work-related Fatalities	0.00	0.00	0.00			
<b>8</b>	<b>Fresh Water Resources</b>						
8.1	Water Withdrawals - Consumptive (Billions of Liters/Net MWh)						
8.2	Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)						
<b>9</b>	<b>Waste Products</b>						
9.1	Amount of Hazardous Waste Manifested for Disposal (tons)	1.5	1.5	8.3			
9.2	Percent of Coal Combustion Products Beneficially Used						