



# Electric Company ESG/Sustainability Quantitative Information

**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:** 12/31/2019

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2016	Last Year 2017	Current Year 2018	Next Year 2019	Comments, Links, Additional Information, and Notes
<b>Portfolio</b>						
<b>1</b>	<b>Owned Nameplate Generation Capacity at end of year (MW)</b>					<i>Provide a link to charts or additional information if available</i>
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>Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options</b>						
<b>2.i</b>	<b>Owned Net Generation for the data year (MWh)</b>					
2.1.i	Coal					
2.2.i	Natural Gas	505	405	591	500	
2.3.i	Nuclear					
2.4.i	Petroleum	60	59	265	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	51,353	94,134	47,250	
2.5.4.i	Solar					
2.5.5.i	Wind					
2.6.i	Other					
		5,111,000	4,891,000	5,118,000		Central Hudson Gas and Electric participates in a de-regulated electricity market. Electricity is generated and sold into a wholesale market where retail energy suppliers purchased the electricity and sells it to customers. The number reported for Central Hudson is the Electricity Sales to Customers for each respective year.
<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	\$172,073,303	\$ 196,381,390		
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	51,276	54,999	81,964	\$79,102*	*Note: Reflects Maximum 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	\$4,902,199	\$ 8,773,428	\$9,772,739**	**Note: Reflects Electric Energy Efficiency rate allowance for Rate Year 2
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)	0.02%	0.05%	0.18%		
<b>4</b>	<b>Retail Electric Customer Count (at end of year)</b>					
4.1	Commercial	46,470	46,058	46,656		
4.2	Industrial	1,049	1,015	1,041		
4.3	Residential	266,061	257,311	259,328		



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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	411	802		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	0.008	0.008		
5.1.2	Carbon Dioxide Equivalent (CO2e)					
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	825	411.5	804		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	0.008	0.008		
<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	653,798	684,141		Purchase power emissions factor taken from EPA eGRID, NPCC Region
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.134	0.134	7.2		
5.2.2	Carbon Dioxide Equivalent (CO2e)					
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	686,086	656,553	687,436		Purchase power emissions factor taken from EPA eGRID, NPCC Region
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.134	0.134	7.2		
<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	654,209	684,943		Includes facilities not subject to GHG Reporting (emissions below reporting threshold) / Purchase power emissions factor taken from EPA eGRID, NYUP (NYCC) Region
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.134	0.134	7.2		
5.3.2	Carbon Dioxide Equivalent (CO2e)					
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	686,910	656,965	688,240		Includes facilities not subject to GHG Reporting (emissions below reporting threshold) / Purchase power emissions factor taken from EPA eGRID, NYUP (NYCC) Region
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.134	0.134	7.2		
<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	6,626		
5.4.2	Fugitive CO2e emissions from natural gas distribution (MT) (6)	26,035	26,499	23,483		
<b>6</b>	<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>					
6.1	Generation basis for calculation (7)					
<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)					

Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the Emissions section notes



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<b>Resources</b>						
<b>7</b>	<b>Human Resources</b>					
7.1	Total Number of Employees	1,000	1,000	1,044		
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	4.50	3.93		
7.5.2	Lost-time Case Rate	0.60	0.60	0.86		
7.5.3	Days Away, Restricted, and Transfer (DART) Rate	1.12	1.90	1.72		
7.5.4	Work-related Fatalities	0.00	0.00	1.00		
<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	1.5	8.3	2.9		
9.2	Percent of Coal Combustion Products Beneficially Used					
<b>Additional Metrics (Optional)</b>						
<i>Insert additional rows in this section as necessary.</i>						