



# Electric Company ESG/Sustainability Quantitative Information

**Parent Company:** Emera Inc.  
**Operating Company(s):** Tampa Electric, Emera Maine, Nova Scotia Power, Emera Energy (Brooklyn Power), Emera Newfoundland and Labrador, Grand Bahama Power Company, Barbados Light and Power Company Limited, Dominica Electricity Services Limited  
**Business Type(s):** All are vertically integrated electric utilities except for Emera Maine, which is a transmission and distribution electric utility, and Emera Energy's Brooklyn Power, which is a biomass generating facility in Nova Scotia.  
**State(s) of Operation:** Florida, Maine, Nova Scotia and Newfoundland and Labrador (Canada), Bahamas, Barbados, and Dominica  
**State(s) with RPS Programs:** Maine  
**Regulatory Environment:** Both (Regulated and Deregulated)  
**Report Date:** 2020 Submission

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2018	Current 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>		<b>10,264</b>	<b>9,156</b>	
1.1	Coal		3,048	2,157	
1.2	Natural Gas		5,455	4,956	
1.3	Nuclear		-	-	n/a
1.4	Petroleum		930	934	
1.5	Total Renewable Energy Resources				
1.5.1	Biomass/Biogas		93	93	
1.5.2	Geothermal		-	-	n/a
1.5.3	Hydroelectric		413	414	
1.5.4	Solar		178	455	
1.5.5	Wind		147	147	
1.6	Other		-	-	
<b>2</b>	<b>Net Generation for the data year (MWh)</b>		<b>40,632,210</b>	<b>35,516,264</b>	
2.1	Coal		9,022,510	7,075,000	
2.2	Natural Gas		23,101,996	18,884,000	
2.3	Nuclear		-	-	n/a
2.4	Petroleum		1,292,019	1,376,000	
2.5	Total Renewable Energy Resources				
2.5.1	Biomass/Biogas		293,952	123,000	
2.5.2	Geothermal		-	-	n/a
2.5.3	Hydroelectric		964,061	1,053,000	
2.5.4	Solar		136,848	775,000	
2.5.5	Wind		262,000	256,000	
2.6	Other		5,558,824	5,974,264	Includes purchased power. Error in 2018 net generation corrected.
<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)		\$ 2,178,000,000	\$ 2,516,000,000	
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)		198,000	216,400	Electricity savings from EE Measures include data for Emera affiliates Tampa Electric and Nova Scotia Power.
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)		\$ 34,939,805	\$ 92,418,378	Provided in CAD dollars. Error in 2018 data corrected. Annual Investment in Electric EE Measures include data for Emera affiliates Tampa Electric and NSPI. NSPI includes incremental fee on power rates that is allocated to EE Programs.
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)		18	38	
<b>4</b>	<b>Retail Electric Customer Count (at end of year)</b>				
4.1	Commercial		176,884	180,000	
4.2	Industrial		6,005	6,000	
4.3	Residential		1,434,670	1,460,000	



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**State(s) of Operation:** Florida, Maine, Nova Scotia and Newfoundland and Labrador (Canada), Bahamas, Barbados, and Dominica  
**State(s) with RPS Programs:** Maine  
**Regulatory Environment:** Both (Regulated and Deregulated)  
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Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2018	Current Year 2019	Comments, Links, Additional Information, and Notes
<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</b>				
5.1.1	Carbon Dioxide (CO2)				
5.1.1.1	Total Owned Generation CO2 Emissions (MT)		20,792,229	15,986,318	
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)		0.512	0.450	Error in 2018 net generation corrected.
5.1.2	Carbon Dioxide Equivalent (CO2e)	25,017,167			Base year emissions updated to exclude emissions from sold assets
5.1.2.1	Total Owned Generation CO2e Emissions (MT)		20,878,607	16,061,438	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)		0.514	0.452	Error in 2018 net generation corrected.
<b>5.2</b>	<b>Purchased Power</b>				
5.2.1	Carbon Dioxide (CO2)				
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)		-	-	Emera does not have CO2 for purchased power.
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)		-	-	Emera does not have CO2 for purchased power.
5.2.2	Carbon Dioxide Equivalent (CO2e)				
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)		0	0	
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)		0	0	
<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)		-	-	Emera does not have CO2 for purchased power.
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)		-	-	Emera does not have CO2 for purchased power.
5.3.2	Carbon Dioxide Equivalent (CO2e)				
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)		20,878,607	16,061,438	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)		0.514	0.452	Figures do not include Scope 3 emissions from purchased power. Error in 2018 net generation corrected.
<b>5.4</b>	<b>Non-Generation CO2e Emissions</b>				
5.4.1	Fugitive CO2e emissions of sulfur hexafluoride (MT)		28,883	12,037	
5.4.2	Fugitive CO2e emissions from natural gas distribution (MT)		-	-	n/a
<b>6</b>	<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>				
6.1	Generation basis for calculation		Total		
<b>6.2</b>	<b>Nitrogen Oxide (NOx)</b>				
6.2.1	Total NOx Emissions (MT)		22,697	22,189	
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)		0.000559	0.000625	Error in 2018 net generation corrected.
<b>6.3</b>	<b>Sulfur Dioxide (SO2)</b>				
6.3.1	Total SO2 Emissions (MT)		78,669	62,818	
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)		0.001936	0.001769	Error in 2018 net generation corrected.
<b>6.4</b>	<b>Mercury (Hg)</b>				
6.4.1	Total Hg Emissions (kg)		75.0	65.0	
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)		0.000002	0.000002	Error in 2018 net generation corrected.



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**State(s) with RPS Programs:** Maine  
**Regulatory Environment:** Both (Regulated and Deregulated)  
**Report Date:** 2020 Submission

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<b>Resources</b>					
<b>7</b>	<b>Human Resources</b>				
7.1	Total Number of Employees		7,500	7,300	
7.2	Total Number on Board of Directors/Trustees		12	12	
7.3	Total Women on Board of Directors/Trustees		4	4	
7.4	Total Minorities on Board of Directors/Trustees		-	-	Not tracked
7.5	Employee Safety Metrics				
7.5.1	Recordable Incident Rate		1.29	1.08	
7.5.2	Lost-time Case Rate		0.35	0.41	
7.5.3	Days Away, Restricted, and Transfer (DART) Rate		36.52	38.92	
7.5.4	Work-related Fatalities		0	0	
<b>8</b>	<b>Fresh Water Resources</b>				
8.1	Water Withdrawals - Consumptive (Billions of Liters/Net MWh)		2.67E-07	4.66E-07	
8.2	Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)		0	0	
<b>9</b>	<b>Waste Products</b>				
9.1	Amount of Hazardous Waste Manifested for Disposal		120	165	<p>Emera companies are focused on reducing waste at its source and minimizing the amount of non-hazardous and hazardous waste that is produced and in need of disposal. All waste is managed and disposed of in accordance with applicable regulations and at approved facilities. As Emera's Sustainability Program continues to improve, efforts are being made to improve data collection related to waste metrics.</p> <p>In 2019, Emera companies disposed of approximately 165 tonnes of solid hazardous waste and 38,000 Litres of liquid hazardous waste. This included approximately 121 tonnes of solid PCB and 5,600 litres of liquid PCB waste.</p>
9.2	Percent of Coal Combustion Products Beneficially Used		4%	18%	<p>In 2019, Emera companies produced a total of 405,327 tonnes of coal ash, of which approximately 18 per cent (73,300 tonnes) was repurposed for other industrial uses. Emera's Tampa Electric produced 80,458 tonnes of gypsum, of which 96% was beneficially reused.</p>

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# Gas Company ESG/Sustainability Quantitative Information

**Parent Company:** Emera Inc.  
**Operating Company(s):** Peoples Gas System, New Mexico Gas  
  
**Business Type(s):** Wholly owned subsidiaries of Emera Inc.  
**State(s) of Operation:** Florida, New Mexico  
**Regulatory Environment:** Regulated  
**Report Date:** 2020 Submission

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2011	Last Year 2018	Current Year 2019	Definitions
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## Natural Gas Distribution

Summary of disclosures as reported to the EPA under 40 CFR 98, Subpart W, Petroleum and Natural Gas System					
<b>1</b>	<b>METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS</b>				
1.1	Number of Gas Distribution Customers	829,638	915,790	928,974	
1.2	Distribution Mains in Service				
1.2.1	Plastic ( <i>miles</i> )	11,687	14,651	14,814	
1.2.2	Cathodically Protected Steel - Bare & Coated ( <i>miles</i> )	9,203	9,291	9,269	
1.2.3	Unprotected Steel - Bare & Coated ( <i>miles</i> )	376	126	76	
1.2.4	Cast Iron / Wrought Iron - without upgrades ( <i>miles</i> )	113	18	10	
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains ( <i># years to complete</i> )				These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains.
1.3.1	Unprotected Steel (Bare & Coated) ( <i># years to complete</i> )	10	3	2	
1.3.2	Cast Iron / Wrought Iron ( <i># years to complete</i> )	10	3	2	
<b>2</b>	<b>Distribution CO<sub>2</sub>e Fugitive Emissions</b>				
2.1	CO <sub>2</sub> e Fugitive Methane Emissions from Gas Distribution Operations ( <i>metric tons</i> )	141,561	119,161	117,195	
2.2	CH <sub>4</sub> Fugitive Methane Emissions from Gas Distribution Operations ( <i>metric tons</i> )	5,662	4,661	4,688	
2.2.1	CH <sub>4</sub> Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	295	243	244	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet ( <i>Mscf/year</i> )	199,814,086	246,336,659	281,536,633	This metric provided gas throughput for distribution, which is the quantity of natural gas delivered to end users on an annual basis.
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	189,823	234,020	267,460	Assumes 95% methane content in natural gas for distribution as noted in 2.3
2.4	Fugitive Methane Emissions Rate (Percent <i>MMscf of Methane Emissions per MMscf of Methane Throughput</i> )	0.16%	0.10%	0.09%	

## Natural Gas Transmission and Storage

<b>3</b>	<b>Onshore Natural Gas Transmission Pipeline Blowdowns</b>				Emissions from blowdown vent stacks for onshore transmissions pipelines, excluding CO <sub>2</sub> and N <sub>2</sub> O emissions.
3.1	Transmission Pipeline Blowdown Vent Stacks ( <i>metric tons/year</i> )		86	54	
3.2	Transmission Pipeline Blowdown Vent Stacks (CO <sub>2</sub> e/year)		2,145	1,345	
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)		4,469	2,802	
<b>5</b>	<b>Summary and Metrics</b>				
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)		4	3	