



# Electric Company ESG/Sustainability Quantitative Information

Parent Company:

Emera Inc.

Operating Company(s):

Tampa Electric, 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 Energy's Brooklyn Power, which is a biomass generating facility in Nova Scotia

State(s) of Operation:

Florida, Nova Scotia and Newfoundland and Labrador (Canada), Bahamas, Barbados, and Dominica

State(s) with RPS Programs:

n/a

Regulatory Environment:

Both (Regulated and Deregulated)

Report Date:

2021 Submission

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2019	Current Year 2020	Comments, Links, Additional Information, and Notes
<b>Portfolio</b>					
1	<b>Owned Nameplate Generation Capacity at end of year (MW)</b>		9,156	9,335	
1.1	Coal		2,157	2,157	
1.2	Natural Gas		4,956	4,956	
1.3	Nuclear		-	-	n/a
1.4	Petroleum		934	974	
1.5	Total Renewable Energy Resources				
1.5.1	Biomass/Biogas		93	93	
1.5.2	Geothermal		-	-	n/a
1.5.3	Hydroelectric		414	402	
1.5.4	Solar		455	604	
1.5.5	Wind		147	148	
1.6	Other		-	-	n/a
2	<b>Net Generation for the data year (MWh)</b>		35,516,264	33,192,401	
2.1	Coal		7,075,000	6,177,613	
2.2	Natural Gas		18,884,000	18,375,604	
2.3	Nuclear		-	-	n/a
2.4	Petroleum		1,376,000	1,283,143	
2.5	Total Renewable Energy Resources				
2.5.1	Biomass/Biogas		123,000	106,361	
2.5.2	Geothermal		-	-	n/a
2.5.3	Hydroelectric		1,053,000	766,369	
2.5.4	Solar		775,000	1,136,207	
2.5.5	Wind		256,000	253,445	
2.6	Other		5,974,264	5,093,659	Includes purchased power
3	<b>Capital Expenditures and Energy Efficiency (EE)</b>				
3.1	Total Annual Capital Expenditures (nominal dollars)		\$ 2,516,000,000	\$ 2,668,000,000	
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)		216,400	131,000	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)		\$ 92,418,378	\$ 77,977,000	Provided in CAD dollars. 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.
4	<b>Retail Electric Customer Count (at end of year)</b>				
4.1	Commercial		180,000	157,000	
4.2	Industrial		6,000	3,800	
4.3	Residential		1,460,000	1,350,000	



# Electric Company ESG/Sustainability Quantitative Information

Parent Company:

Emera Inc.

Operating Company(s):

Tampa Electric, 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 Energy's Brooklyn Power, which is a biomass generating facility in Nova Scotia

State(s) of Operation:

Florida, Nova Scotia and Newfoundland and Labrador (Canada), Bahamas, Barbados, and Dominica

State(s) with RPS Programs:

n/a

Regulatory Environment:

Both (Regulated and Deregulated)

Report Date:

2021 Submission

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2019	Current Year 2020	Comments, Links, Additional Information, and Notes
<b>Emissions</b>					
5	<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>				
5.1	<b>Owned Generation</b>				
5.1.1	Carbon Dioxide (CO2)				
5.1.1.1	Total Owned Generation CO2 Emissions (MT)		15,986,318	15,303,712	
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)		0.450	0.461	
5.1.2	Carbon Dioxide Equivalent (CO2e)	25,017,167			
5.1.2.1	Total Owned Generation CO2e Emissions (MT)		16,061,438	15,371,930	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)		0.452	0.463	
5.2	<b>Purchased Power</b>				
5.2.1	Carbon Dioxide (CO2)		-	-	Emera does not have CO2 for purchased power.
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)		-	-	
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	
5.3	<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)		16,061,438	15,371,930	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)		0.452	0.463	Figures do not include Scope 3 emissions from purchased power.
5.4	<b>Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6)</b>				
5.4.1	Total CO2e emissions of SF6 (lbs)		26,537,011	22,703,177	
5.4.2	Leak rate of CO2e emissions of SF6 (lbs/Net MWh)		1	1	
6	<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>				
6.1	Generation basis for calculation		Total		
6.2	<b>Nitrogen Oxide (NOx)</b>				
6.2.1	Total NOx Emissions (MT)		22,189	21,071	
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)		0.000625	0.000635	
6.3	<b>Sulfur Dioxide (SO2)</b>				
6.3.1	Total SO2 Emissions (MT)		62,818	62,363	
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)		0.001769	0.001879	
6.4	<b>Mercury (Hg)</b>				
6.4.1	Total Hg Emissions (kg)		65.0	35.0	
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)		0.000002	0.000001	



# Electric Company ESG/Sustainability Quantitative Information

Parent Company:

Emera Inc.

Operating Company(s):

Tampa Electric, 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 Energy's Brooklyn Power, which is a biomass generating facility in Nova Scotia

State(s) of Operation:

Florida, Nova Scotia and Newfoundland and Labrador (Canada), Bahamas, Barbados, and Dominica

State(s) with RPS Programs:

n/a

Regulatory Environment:

Both (Regulated and Deregulated)

Report Date:

2021 Submission

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2019	Current Year 2020	Comments, Links, Additional Information, and Notes
<b>Resources</b>					
<b>7</b>	<b>Human Resources</b>				
7.1	Total Number of Employees		7,300	7,100	
7.2	Percentage of Women in Total Workforce		30	30	
7.3	Percentage of Minorities in Total Workforce		n/a	23	
7.4	Total Number on Board of Directors/Trustees		12	11	
7.5	Percentage of Women on Board of Directors/Trustees		33	36	
7.6	Percentage of Minorities on Board of Directors/Trustees		n/a	0	While the Board currently has no members who identify as aboriginal, as a member of a visible minority or as a person with a disability, the Company is focused on establishing and maintaining a board with a diverse mix of experience, skills and backgrounds. See page 36, on Board Diversity, in Emera's 2021 Management Information Circular for more information.
7.7	Employee Safety Metrics				
7.7.1	Recordable Incident Rate		1.08	0.81	
7.7.2	Lost-time Case Rate		0.41	0.28	
7.7.3	Days Away, Restricted, and Transfer (DART) Rate		38.92	26.35	
7.7.4	Work-related Fatalities		0	1	
<b>8</b>	<b>Fresh Water Resources used in Thermal Power Generation Activities</b>				
8.1	Water Withdrawals - Consumptive (Millions of Gallons)		2,549	2,793	
8.2	Water Withdrawals - Non-Consumptive (Millions of Gallons)		156	98.54	
8.3	Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)		0.00007	0.00008	
8.4	Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)		0	0	
<b>9</b>	<b>Waste Products</b>				
9.1	Amount of Hazardous Waste Manifested for Disposal		165	69	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.  In 2020, Emera companies disposed of approximately 69 tonnes of solid hazardous waste and 5,300 litres of liquid hazardous waste. This included approximately 0.05 tonnes of solid PCB and 1,459 litres of liquid PCB waste. Several of our affiliates did not dispose of PCB waste in 2020 due to restrictions in bringing external disposal contractors in from other regions. Note: Last year we reported that 5,600 litres of PCB waste was disposed. This was in error. Approximately 32,000 litres of liquid hazardous waste disposed in 2019 was PCB waste.
9.2	Percent of Coal Combustion Products Beneficially Used		18%	17%	In 2020, Emera companies produced a total of 646,593 tonnes of coal ash, of which approximately 17 per cent (111,546 tonnes) was repurposed for other industrial uses.



# 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:** 2021 Submission

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline	Last Year	Current Year	Definitions
		2011	2019	2020	
<b>Natural Gas Distribution</b>					
					Summary of disclosures as reported to the EPA under 40 CFR 98, Subpart W, Petroleum and Natural Gas System
1	<b>METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS</b>				
1.1	Number of Gas Distribution Customers	829,638	928,974	956,469	
1.2	Distribution Mains in Service				
1.2.1	Plastic (miles)	11,687	15,210	15,744	
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	9,203	9,275	9,351	
1.2.3	Unprotected Steel - Bare & Coated (miles)	376	84	35	A calculation error was noted by one of our gas operating companies. The 2019 data was updated from 79 to 84 miles.
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	113	10	6	
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)				These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains.
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	10	2	1	
1.3.2	Cast Iron / Wrought Iron (# years to complete)	10	2	1	
2	Distribution CO <sub>2e</sub> Fugitive Emissions				
2.1	CO <sub>2e</sub> Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	141,561	117,461	116,731	
2.2	CH <sub>4</sub> Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	5,662	4,698	4,669	
2.2.1	CH <sub>4</sub> Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	295	245	243	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	199,814,086	263,178,280	268,358,950	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	250,019	254,941	Assumes 95% methane content in natural gas for distribution as noted in 2.3. The 2019 data was updated from 267,460 to 250,019 MMscf/year.
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.16%	0.10%	0.10%	
<b>Natural Gas Transmission and Storage</b>					
1	<b>Onshore Natural Gas Transmission Compression Methane Emissions</b>				Not applicable
2	<b>Underground Natural Gas Storage Methane Emissions</b>				Not applicable
3	<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 (metric tons/year)		54	26	
3.2	Transmission Pipeline Blowdown Vent Stacks (CO <sub>2e</sub> /year)		1345	650	
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)		2802	1354	
4	<b>Other Non-Sub W Emissions Data</b>				Not applicable
5	<b>Summary and Metrics</b>				
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)		3	1	
<b>Natural Gas Gathering and Boosting</b>					
Not applicable					
<b>Human Resources</b>					
See Human Resources reported to EEI					