



GRI INDEX

GRI
Disclosure Description Response

102 GENERAL DISCLOSURES

102-01	NAME OF ORGANIZATION	Emera Inc.
102-02	ACTIVITIES, BRANDS, PRODUCTS AND SERVICES	Emera 2018 Annual Report page 12, 14
102-03	LOCATION OF HEADQUARTERS	Emera Inc. is a geographically diverse energy and services company headquartered in Halifax, Nova Scotia, Canada.
102-04	LOCATION OF OPERATIONS	The data included in this report are relevant to Emera's significant operations located in Canada, the United States, Barbados, Grand Bahama and the Commonwealth of Dominica. For a full description of Emera's holdings by country see Emera 2018 Annual Report page 2.
102-05	OWNERSHIP AND LEGAL FORM	Emera 2018 Annual Report pages 2, 12
102-06	MARKETS SERVED	Emera 2018 Annual Report pages 1-2, 23-29
102-07	SCALE OF ORGANIZATION	Emera 2018 Annual Report

102-08 INFORMATION ON EMPLOYEES AND OTHER WORKERS

Percentage of Employees by Employment Contract, by Gender

(Includes full-time and part-time employees)

	Permanent Employees		Temporary Employees	
	# Employees	% Employees	# Employees	% Employees
Female	2,035	29%	91	31%
Male	5,090	71%	206	69%
TOTAL	7,125	100%	297	100%

Percentage of Employees by Employment Contract, by Region

(Includes full-time and part-time employees)

	Permanent Employees		Temporary Employees	
	# Employees	% Employees	# Employees	% Employees
Canada	2,149	30%	201	68%
United States	4,214	59%	22	7%
Caribbean	762	11%	74	25%
TOTAL	7,125	100%	297	100%

Percentage of Employees by Employment Type, by Gender

(Includes permanent and temporary employees)

	FTE (Full-Time Equivalent Employees)		<1 FTE (Less than Full-Time Equivalent Employees)	
	# Employees	% Employees	# Employees	% Employees
Female	2,099	28%	27	64%
Male	5,281	72%	15	36%
TOTAL	7,380	100%	42	100%

102-11 PRECAUTIONARY PRINCIPLE OR APPROACH

[Emera 2018 Annual Report](#) pages 57-65

GRI Disclosure	Description	Response
102-12	EXTERNAL INITIATIVES	<p>Emera, through its membership in the Edison Electric Institute and the American Gas Association, supports the ESG/Sustainability Initiative.</p> <p>Emera also supports the principles of the Canadian Electricity Association Sustainable Electricity™ Program.</p>
102-13	MEMBERSHIP OF ASSOCIATIONS	Emera has affiliates that are members of the Canadian Electricity Association (CEA), the Edison Electric Institute (EEI), the American Gas Association (AGA), and the Caribbean Electric Utility Services Corporation (CARILEC).
102-14	STATEMENT FROM SENIOR DECISION-MAKER	2018 Sustainability Report: CEO Message
102-15	KEY IMPACTS, RISKS AND OPPORTUNITIES	Emera 2018 Annual Report pages 6-10, 12-14, 57-64
102-16	VALUES, PRINCIPLES, STANDARDS AND NORMS OF BEHAVIOUR	<p>Emera Code of Conduct</p> <p>Emera: Our Story</p>
102-17	MECHANISMS FOR ADVICE AND CONCERNS ABOUT ETHICS	Emera Code of Conduct
102-18	GOVERNANCE STRUCTURE	<p>Management Information Circular 2019</p> <p>Emera Inc. Executive Team</p>
102-19	DELEGATING AUTHORITY	<p>Management Information Circular 2019 page 40</p> <p>HSE Charter</p>
102-20	EXECUTIVE-LEVEL RESPONSIBILITY FOR ECONOMIC, ENVIRONMENTAL AND SOCIAL TOPICS	There are several executive positions at Emera Inc. that hold responsibility for economic, environmental and social topics. These include the Executive Vice President, Stakeholder Relations and Regulatory Affairs, the Chief Operating Officer, and the Chief Financial Officer. These positions report to the President and Chief Executive Officer and report to the Emera Board of Directors.
102-21	CONSULTING STAKEHOLDERS ON ECONOMIC, ENVIRONMENTAL AND SOCIAL TOPICS	Management Information Circular 2019 page 84
102-22	COMPOSITION OF THE HIGHEST GOVERNANCE BODY	Management Information Circular 2019 pages 8-20
102-23	CHAIR OF THE HIGHEST GOVERNANCE BODY	Management Information Circular 2019 pages 8-20
102-24	NOMINATING AND SELECTING THE HIGHEST GOVERNANCE BODY	Management Information Circular 2019 page 27
102-25	CONFLICTS OF INTEREST	Management Information Circular 2019 pages 26-32
102-26	ROLE OF THE HIGHEST GOVERNANCE BODY IN SETTING PURPOSE, VALUES AND STRATEGY	Emera Senior Executives are responsible for the development of the company's purpose, strategies, policies and mission statements related to ESG issues. The Emera Board of Directors also provides oversight and guidance on the strategic issues facing Emera.

GRI Disclosure	Description	Response
102-27	COLLECTIVE KNOWLEDGE OF THE HIGHEST GOVERNANCE BODY	Management Information Circular 2019 page 35
102-28	EVALUATING THE HIGHEST GOVERNANCE BODY'S PERFORMANCE	Management Information Circular 2019 pages 30-31
102-29	IDENTIFYING AND MANAGING ECONOMIC, ENVIRONMENTAL AND SOCIAL TOPICS	Management Information Circular 2019 page 40
102-30	EFFECTIVENESS OF RISK MANAGEMENT PROCESSES	Board of Director's Charter page 2 Management Information Circular 2019 pages 38-39
102-31	REVIEW OF ECONOMIC, ENVIRONMENTAL AND SOCIAL IMPACTS	Management Information Circular 2019 page 40
102-32	HIGHEST GOVERNANCE BODY'S ROLE IN SUSTAINABILITY REPORTING	Emera CEO
102-33	COMMUNICATING CRITICAL CONCERNS	Emera Code of Conduct pages 35-36
102-35	REMUNERATION POLICIES	Management Information Circular 2019 pages 46-82
102-36	PROCESS FOR DETERMINING REMUNERATION	Management Information Circular 2019 pages 46-82
102-37	STAKEHOLDERS' INVOLVEMENT IN REMUNERATION	Management Information Circular 2019 page 43
102-41	COLLECTIVE BARGAINING AGREEMENTS	Approximately 38 per cent of Emera's employees were represented by a union in 2018.
102-45	ENTITIES INCLUDED IN THE CONSOLIDATED FINANCIAL STATEMENTS	Emera 2018 Annual Report - Management's Discussion & Analysis pages 12-75
102-46	DEFINING REPORTING CONTENT AND TOPIC BOUNDARIES	<p>The Emera Sustainability Report is based on corporate performance for 2018, unless otherwise stated. Emera applies the same reporting boundaries as the Emera 2018 Annual Report. The report contains consolidated data and stories covering Emera's wholly owned affiliates and subsidiaries where Emera has operational control.</p> <p>We have used the GRI Standards methodology and indicators derived from the GRI Standards to inform our approach to report on sustainability data. In addition, for the first time we are also reporting on data that align with the Edison Electric Institute and American Gas Association ESG/Sustainability template.</p>

GRI Disclosure	Description	Response
102-47	LIST OF MATERIAL TOPICS	<p>Emera selects the topics and data to include in the sustainability report based on the issues that we understand are important to our stakeholders and business strategy. Emera also draws on the opinions and insights shared by our stakeholders, including (but not limited to) customers, shareholders, team members, communities, regulators and government, industry associations, business partners, suppliers and NGOs.</p> <p>Emera conducted a review of sustainability materiality assessments for the electric utility industry, many of which were developed using multi-stakeholder input including: the CEA sustainability materiality matrix for the Canadian electric utility industry, SASB Electric Utilities Research Brief, the Edison Electric Institute (EEI) ESG/Sustainability Initiative, the American Gas Association (AGA) ESG/sustainability metrics, RobecoSAM Defining What Matters – Mining, Metals and Electric Utilities, EPRI Material Issues for the North American Electric Power Industry, and GRI G4 Sector Disclosures – Electric Utilities.</p> <p>Based on this approach, Emera developed the following topic areas: Customers, Safety, Relationships, Environment and Team.</p>
102-48	RESTATEMENTS OF INFORMATION	Based on available information, we reported a 16 per cent reduction in Scope 1 Greenhouse Gas Emissions (GHG) in 2017. Since then, new information has become available and we adjusted the value retroactively to a 22 per cent GHG reduction in 2017 (from 2005 levels).
102-49	CHANGES IN REPORTING	No significant changes.
102-50	REPORTING PERIOD	Data are from January 1, 2018 – December 31, 2018. Stories and case studies are from 2018 and 2019.
102-51	DATE OF MOST RECENT REPORT	2018
102-52	REPORTING CYCLE	Annual
102-53	CONTACT POINT FOR QUESTIONS REGARDING THE REPORT	<p>We welcome feedback on our sustainability progress at sustainability@emera.com, or at any of the following:</p> <p>Mailing address: 1223 Lower Water Street Halifax, Nova Scotia B3J 3S8</p> <p>Phone: 902-450-0507 Toll free: 1-888-450-0507</p> <p>Fax: 902-428-6112</p>
102-54	CLAIMS OF REPORTING IN ACCORDANCE WITH GRI STANDARDS	The Emera Sustainability Report has been informed by the GRI Standards methodology.
102-55	GRI CONTENT INDEX	This table serves as the GRI Content Index.
102-56	EXTERNAL ASSURANCE	The report has not been externally assured.

103 MANAGEMENT APPROACH

103	MANAGEMENT APPROACH	<p>Information relating to our management approach with respect to our priority topics can be found in the following:</p> <p>Emera 2018 Annual Report pages 14, 57-63</p> <p>Management Information Circular 2019 page 25</p> <p>2018 Sustainability Report: Governance</p> <p>Code of Conduct</p>
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201 ECONOMIC PERFORMANCE

201-01	DIRECT ECONOMIC VALUE GENERATED AND DISTRIBUTED	\$5.3B in economic value distributed in our operating markets. This includes our community investments, capital payments, including dividends, employee wages and benefits, and taxes.
201-02	FINANCIAL IMPLICATIONS AND OTHER RISKS AND OPPORTUNITIES DUE TO CLIMATE CHANGE	Emera has disclosed information on the risks and opportunities posed by climate change for the company as part of Emera's 2018 CDP submission (sections 2.3a and 2.4b). This submission includes a description of the risk or opportunity, the impact and financial implications, and methods and costs used to manage the risks and opportunities.
201-03	DEFINED BENEFIT PLAN OBLIGATIONS AND OTHER RETIREMENT PLANS	Emera 2018 Annual Report page 56

302 ENERGY

302-01	ENERGY CONSUMPTION WITHIN THE ORGANIZATION	Emera's 2018 CDP submission, sections 8.3a and 8.3b
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303 WATER AND EFFLUENTS

303-01	INTERACTION WITH WATER AS A SHARED RESOURCE	<p>At Emera, water is an integral part of our energy generation operations. Water withdrawal for thermal generation is primarily from seawater sources, as noted in GRI 303-03, and Emera affiliates discharge water to a variety of different water bodies, as noted in GRI 303-04 and G4-EN22. G4 DMA Water provides examples of approaches to managing water at the watershed level.</p> <p>Emera is compliant with water use regulations at our facilities, and our operations have not been impacted by any material water storages. Alternatively, Emera's water use or water discharge has not impacted other local water stakeholders.</p>
303-02	MANAGEMENT OF WATER DISCHARGE-RELATED IMPACTS	Emera thermal generation facilities discharge water effluent as part of their operations. All discharges are monitored and reported in accordance with operating approvals or permits and/or federal, provincial or state legislation requirements.

303-03 WATER WITHDRAWAL

Total Water Withdrawal
(megalitres)

	Freshwater	Other Water
Groundwater	1,164	-
Seawater	-	2,555,485
Surface water	1,280	-
Third party water	1,986	8,939
TOTAL	4,430	2,564,425

Total Water Withdrawal from Water-Stressed Areas
(megalitres)

	Freshwater	Other Water
Groundwater	1,000	-
Seawater	-	2,318,318
Third party water	461	2,031
TOTAL	1,461	2,320,349

303-04 WATER DISCHARGE

Total Water Discharge
(megalitres)

	Freshwater	Other Water
Groundwater	2,379	92
Seawater	-	2,557,311
Surface water	1,169	1,090
Third party water	-	933
TOTAL	3,548	2,559,426

303-05 WATER CONSUMPTION

In 2018, Emera affiliates Emera Energy, Tampa Electric, Peoples Gas, BLP and DOMLEC consumed approximately 12,000 megalitres of water as part of their operations. Depending on the operational activity, water consumption is either sourced from direct measurements or invoices, or estimated.

304 BIODIVERSITY

304-02	SIGNIFICANT IMPACTS OF ACTIVITIES, PRODUCTS AND SERVICES ON BIODIVERSITY	<p>Emera's operations do not have a significant impact on biodiversity either directly or indirectly; however, Emera recognizes that its operations can contribute to negative impacts including habitat fragmentation, loss of wetlands and forested areas through clearing activities, the creation of access corridors, and conversion of riverine habitat from hydro development.</p> <p>Emera mitigates its impact through avoidance and site-specific environmental protection procedures that include (but are not limited to): water management, sedimentation control, wetland protection and wildlife and species of conservation concern.</p>
304-03	HABITATS PROTECTED AND RESTORED	<p>Some restoration work completed by our affiliates is as follows:</p> <ul style="list-style-type: none"> ● Emera Newfoundland and Labrador (ENL) continued to monitor the rock reefs created in Big Lorraine to offset the construction of the grounding electrode site for the Maritime Link project. These reefs were built in 2017 and are gradually being colonized by local wildlife and create more complex habitat to increase local biological productivity. Monitoring will be ongoing in 2019. In addition, ENL completed remediation of access trails and watercourse crossings associated with the Maritime Link transmission line construction. Areas will continue to be monitored in 2019. ● Emera New Brunswick remediated wetlands and water courses along the pipeline Right of Way. Repairs were required due to recreational ATV traffic. Work was completed in 2018 but requires ongoing monitoring to correct any additional damage. ● New Mexico Gas restores impacted habitats to pre-construction conditions by reseeding rangelands and conducting post-construction monitoring. The 2018 work plan was completed. ● Nova Scotia Power provided support to a local organization called the "Turtle Patrol" with their efforts to provide viable habitat for snapping turtles on a spot of shoreline at an NSPI reservoir. NSPI provided material in an area where snapping turtles were attempting to nest but were struggling with larger-sized rocks. The Turtle Patrol spread the gravel as desired and removed larger material. <p>In addition, the island of Dominica was devastated by Hurricane Maria in 2017. In 2018, DOMLEC executed an extensive island-wide line restoration. The lines and accessories had to be recovered and rebuilt. Vegetation is now returning to pre-hurricane conditions.</p>

305 EMISSIONS

305-01 DIRECT (SCOPE 1) GHG EMISSIONS

GHG Emissions Response

Emera has a strong track record of reducing GHG emissions through investments in renewables and lower carbon energy alternatives. Emera had a 24 per cent reduction in Scope 1 GHG emissions (MtCO₂e) since 2005. Emera has chosen 2005 as the base year for emissions calculations, as it aligns with the 2005 base year used by the Government of Canada for national GHG reduction targets. Operational control is the consolidation approach for emissions used at Emera.

Scope 1 emission calculations include CO₂, CH₄, N₂O and SF₆. Scope 2 and 3 emissions include CO₂, CH₄ and N₂O. Emera used the IPCC 4th Assessment Report as the source for emission factors, and global warming potential (GWP) rates and regional emissions factors for Nova Scotia, Emera Maine and Tampa Electric. Emera's Scope 3 emissions include CO₂, CH₄ and N₂O, as calculated using regional emissions factors for Nova Scotia, Emera Maine and Tampa Electric. Emera does not report market-based energy indirect (Scope 2) GHG emissions.

Emera's GHG intensity ratio in 2018 was 0.53 metric tonnes CO₂e/MWh. This ratio is calculated using total MWh energy sold, and Scope 1 and 2 GHG emissions (CO₂e).

For further information, see Emera's 2018 CDP submission.

GHG Emissions

(tonnes CO₂e)

	Scope 1	Scope 2	Scope 3
2018	21,056,995 ¹	410	9,904,221
2005 Base Year	27,770,819 ²	4,683 ³	-

¹ In addition to the above, Emera's CO₂ emissions from biomass generating facilities were 509,311 metric tonnes in 2018.

² Emera affiliate NSPI provided updated verification of 2005 emissions (from 10,200,000 metric tonnes CO₂e to 10,648,422 metric tonnes CO₂e), and Emera's base year emissions were adjusted accordingly.

³ Please note that Scope 2 base year emissions have been adjusted from 244,638 metric tonnes CO₂e to 4,683 metric tonnes CO₂e. This adjustment is to account for an error in the base year, where Nova Scotia Power's Scope 3 emissions were incorrectly included; they have subsequently been removed.

305-02 ENERGY INDIRECT (SCOPE 2) GHG EMISSIONS See response to GRI 305-01.

305-03 OTHER INDIRECT (SCOPE 3) GHG EMISSIONS See response to GRI 305-01.

305-04 OTHER INDIRECT (SCOPE 3) GHG EMISSIONS See response to GRI 305-01.

305-05 REDUCTION OF GHG EMISSIONS See response to GRI 305-01.

GRI Disclosure	Description	Response
305-07	NITROGEN OXIDES (NO _x), SULFUR OXIDES (SO _x) AND OTHER SIGNIFICANT AIR EMISSIONS	In 2018, Emera's other emissions for NO _x , SO ₂ and Mercury (Hg) were as noted in the following table. Persistent organic pollutants (POP), volatile organic compounds (VOC), hazardous air pollutants (HAP), particulate matter (PM) and other standard categories of air emissions identified in relevant regulations are included in NPRI reporting for NSPI and in TRI reporting for Tampa Electric.

Other Emissions	
NO _x	22,697 tonnes
SO ₂	78,669 tonnes
Hg	75 kilograms

306 EFFLUENTS AND WASTE

306-02	WASTE BY TYPE AND DISPOSAL METHOD	<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 progress, efforts are being made to improve data collection related to waste metrics.</p> <p>In 2018, Emera companies disposed of approximately 69 tonnes of PCB-contaminated solid waste, 22,825 litres of PCB-contaminated liquid waste, and approximately 51 tonnes of other hazardous waste.</p> <p>In 2018, Emera companies produced a total of 527,081 tonnes of fly ash. Approximately 4 per cent (23,585 tonnes) was repurposed for other industrial uses. Tampa Electric conducted a number of closure projects in accordance with the Disposal of Coal Combustion Residuals from Electric Utilities Rule that came into effect in 2015. As a result, reported quantities of accumulated ash for repurpose was higher in previous years.</p>
306-03	SIGNIFICANT SPILLS	<p>Emera Inc. has an internal program for tracking and reporting environmental incidents. There were 27 moderate incidents and one significant incident in 2018.</p> <p>In 2018, approximately 5,000 litres of oil was released from the Nova Scotia Power Tufts Cove generation plant into the Halifax Harbour. Over the course of four months, a comprehensive cleanup operation was completed, with oversight and final inspection from Environment Canada and Climate Change Canada and Nova Scotia Environment.</p> <p><i>Moderate Environmental Incident - Includes regulatory non-conformances with a low risk of sanction, and releases that may cause some off-site environmental impacts but do not result in public or regulatory attention.</i></p> <p><i>Significant Environmental Incident - Includes sanctions or non-conformances that pose a risk of sanction, and releases that cause off-site environmental impacts with heightened regulatory or public attention.</i></p>
306-04	TRANSPORT OF HAZARDOUS WASTE	<p>At Emera, we focus on reducing waste at its source and minimizing the amount of non-hazardous and hazardous waste that is produced. All waste, including hazardous waste, is disposed of in accordance with regulatory and legal requirements.</p> <p>In 2018, Tampa Electric, Peoples Gas and Emera Maine disposed of approximately 51 tonnes of hazardous waste at various waste facilities within the United States.</p>

GRI Disclosure	Description	Response
306-05	WATER BODIES AFFECTED BY WATER DISCHARGES AND/OR RUNOFF	No water bodies were significantly affected by discharges from Emera's facilities. All discharges are monitored and reported in accordance with regulatory requirements. Our facilities discharge to the following water bodies:

Emera Company	Generating Station	Water Body
Barbados Light & Power	Spring Garden Operations	Atlantic Ocean
DOMLEC	Hydroelectric Station	Freshwater Lake
DOMLEC	Sugar Loaf	Sugar Loaf River
DOMLEC	Fond Cole	Atlantic Ocean
Grand Bahama Power Co.	Peel Street and West Sunrise	Hawksbill Creek and Freeport Harbour
Emera Energy	Bridgeport Energy	Bridgeport Harbour, Atlantic Ocean
Emera Energy	Bayside Power	Courtenay Bay, Atlantic Ocean
Emera Energy	Brooklyn Power	Herring Cove, Atlantic Ocean
Nova Scotia Power	Point Aconi Generating Station	Atlantic Ocean
Nova Scotia Power	Lingan Generating Station	Indian Bay, Atlantic Ocean
Nova Scotia Power	Point Tupper Generating Station	Strait of Canso, Atlantic Ocean
Nova Scotia Power	Port Hawkesbury Generating Station	Strait of Canso, Atlantic Ocean
Nova Scotia Power	Trenton Generating Station	East River Estuary
Nova Scotia Power	Tufts Cove Generating Station	Halifax Harbour, Atlantic Ocean
Nova Scotia Power	Lequille Generating Station	Allains River, NS
Nova Scotia Power	Annapolis Tidal Generating Station	Annapolis River, NS
Nova Scotia Power	Avon Generating Stations	Avon River, NS
Nova Scotia Power	Gulch and Ridge Generating Stations	Bear River, NS
Nova Scotia Power	Hell's Gate, Hollow Bridge, Lumsden and Methals Generating Stations	Black River, NS
Nova Scotia Power	Dickie Brook Generating Station	Dickie Brook, NS
Nova Scotia Power	Malay and Ruth Falls Generating Stations	East River, Sheet Harbour, NS
Nova Scotia Power	White Rock Generating Station	Gaspereau River, NS

**GRI
Disclosure Description**

Response

Emera Company	Generating Station	Water Body
Nova Scotia Power	Fall River Generating Station	Fall River, NS
Nova Scotia Power	Gisborne Generating Station	Indian Brook, NS
Nova Scotia Power	Upper Lake, Lower Lake, Big Falls, Cowie Falls, Deep Brook and Lower Great Brook Generating Station	Mersey River, NS
Nova Scotia Power	Nictaux Generating Station	Nictaux River, NS
Nova Scotia Power	Mill Lake and Tidewater Generating Station	North East River, NS
Nova Scotia Power	Paradise Generating Station	Paradise River, NS
Nova Scotia Power	Sissiboo Falls, Weymouth and Fourth Lake Generating Stations	Sissiboo River, NS
Nova Scotia Power	Tusket Generating Station	Tusket River, NS
Nova Scotia Power	Wreck Cove Generating Station	Wreck Cove Brook, NS
Tampa Electric	Big Bend Power Station	Hillsborough Bay
Tampa Electric	Bayside Power Station	Hillsborough Bay
Tampa Electric	Polk Power Station	Unnamed Lake

307 ENVIRONMENTAL COMPLIANCE

307-01 NON-COMPLIANCE WITH ENVIRONMENTAL LAWS AND REGULATIONS
 Emera is in material compliance with environmental laws and regulations.

401 EMPLOYMENT

401-01 NEW EMPLOYEE HIRES AND EMPLOYEE TURNOVER

		Hires		Turnover	
Age Group	#	Rate	#	Rate	
Under 30	240	3.2%	71	1.0%	
30-50	333	4.5%	204	2.7%	
Over 50	113	1.5%	295	4.0%	
Gender					
Female	182	2.5%	181	2.4%	
Male	504	6.8%	389	5.2%	
Region					
Canada	276	3.7%	209	2.8%	
United States	359	4.8%	340	4.6%	
Caribbean	51	0.7%	21	0.3%	
TOTAL	686	9.2%	570	7.7%	

Rates are calculated using total employee count at end of reporting period.

401-02 BENEFITS PROVIDED TO FULL-TIME EMPLOYEES THAT ARE NOT PROVIDED TO TEMPORARY OR PART-TIME EMPLOYEES

Emera companies provide a comprehensive range of benefits for our eligible employees, which include health and dental insurance, life insurance, disability insurance, parental leave, wellness programs, pension plans and stock ownership. Eligibility terms of benefits vary by company and in compliance with the local jurisdiction's legal requirements.

401-03 PARENTAL LEAVE

Parental leave with employment position security upon return from leave is offered to all full-time Emera employees.

403 OCCUPATIONAL HEALTH AND SAFETY

403-01 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM

Emera Inc. has developed a framework for the development and implementation of a Safety Management System (SMS). The SMS has been developed utilizing identified best practices from various safety standards associations, industry regulatory authorities, and safety associations, including: the National Energy Board (NEB), American Petroleum Institute API 1170, CEA, Pipeline and Hazardous Materials Safety Administration (PHMSA), and ISO 45001. Emera is in the process of fully implementing the SMS.

The Emera SMS applies to Emera Inc. and its affiliate group of companies. Emera and each of the affiliates have developed a Corporate Safety Policy that is kept updated and is signed off by the affiliate CEO or affiliate lead.

Work activities of contractors are addressed primarily within the Contractor Safety Program (CSP), a sub-section (element) of the SMS.

GRI	Disclosure	Description	Response
403-02	HAZARD IDENTIFICATION, RISK ASSESSMENT AND INCIDENT INVESTIGATION	<p>Emera affiliates have developed Hazard Risk Registers (HRRs) to identify the hazards associated with the basic/root activities that their organizations perform. Affiliates, in collaboration with Emera Safety, have assessed these common activities to arrive at consistency for severity levels of activities contained within the HRR.</p> <p>After the development of a consistent hazard register, the affiliates created Task Inventories, which list work tasks or jobs commonly performed by the organization. The ability to relate hazard information contained within the risk register to the task allows the organizations to make certain that effective controls are implemented. Once operational tasks have been identified, affiliates make certain that processes, policies and procedures, inclusive of safe work practices, safety rules, and job safety analyses, are aligned. Regular safety audits and other assurance practices review the effectiveness.</p> <p>Emera has instituted common processes for incident reporting, including near-miss and proactive reporting. Emera and its affiliates are increasingly focused on proactive leading indicators, such as proactive reporting, and promote a “speak up”, “say something, do something” culture. Employee safety committees have been instituted, where employees have an opportunity to raise safety concerns, discuss these amongst peers and determine recommended courses of action. Recognition of the identification and reporting of safety hazards and concerns is promoted by all levels of management within the business by various forms of positive employee recognition programs. Under Emera’s Code of Conduct, managers and supervisors are responsible for encouraging open communication and ensuring that employees are not retaliated against for reporting concerns in good faith.</p> <p>Employees across Emera and affiliates have the right to refuse unsafe work practices. These practices allow for employees to identify when they have concerns about working safely, report concerns to management so they can be addressed, and communicate concerns so that others are made aware of the status, refusals, or work modifications. Emera’s Code of Conduct safeguards employees from retaliation for reporting concerns in good faith.</p> <p>Employees are made aware of their responsibilities under the SMS through education and training. This includes incident reporting and investigation processes, identification of effective corrective actions, and consideration of continual improvement opportunities. Learnings are shared across Emera.</p>	
403-03	OCCUPATIONAL HEALTH SERVICES	<p>Emera affiliates have health and wellness resources that provide information and services to employees in areas including, but not limited to, ergonomics, strength and mobility assessments, physical and psychological wellness programs, and confidential post-incident debriefing discussions and support.</p> <p>Some Emera affiliates have programs that allow for early access to assessment and treatment to eliminate or minimize lost time associated with an incident, or other measures to improve the well-being of employees.</p> <p>Where regular hazard exposure is known, Emera affiliates have health monitoring programs, such as audiometric testing and respiratory fit testing programs.</p>	
403-04	WORKER PARTICIPATION, CONSULTATION AND COMMUNICATION ON OCCUPATIONAL HEALTH AND SAFETY	<p>As part of the Safety Management System, Emera affiliates have various processes in place for employee participation and consultation, including Emera’s “speak up” safety culture, regular corporate-wide safety checkpoints, pre-shift/meeting safety talks, annual safety initiatives, communication of safety incidents, and Occupational Health and Safety bulletin boards.</p> <p>Occupational Health and Safety Committees (OHSC) have been established at operational levels within each Emera affiliate, and all Emera employees are represented by a safety committee. Safety committee meetings are held regularly throughout the year. Representation on committees include unionized and non-unionized employees, as well as management and non-management employees.</p>	

GRI Disclosure	Description	Response
403-05	WORKER TRAINING ON OCCUPATIONAL HEALTH AND SAFETY	<p>There are various mechanisms through which safety information/training is provided to employees, visitors or contractors, depending on job requirements and different learning techniques within Emera. These include:</p> <ul style="list-style-type: none"> ● Safety moments at the start of meetings; ● Site orientations where work-related safety considerations are reviewed; ● Regular review of Emera safety policies and requirements; ● Training and awareness requirements under the Emera Safety Management System; and ● Job-specific safety training. <p>A process for identification and tracking of training requirements for each affiliate is an aspect of Emera's Safety Management System. The effectiveness of communication and training is reviewed through regular inspections and audits.</p>
403-06	PROMOTION OF WORKER HEALTH	<p>Emera is committed to providing a safe and healthy workplace and a culture that supports leadership effectiveness, respectful workplace practices and employee health and wellness. Emera offers a range of services, programs and incentives in an effort to promote safe and healthy living, reduce lifestyle risk factors and prevent injury/illness.</p> <p>Emera organizes quarterly health challenges - friendly competitions that encourage positive, healthy habits. These initiatives have increased awareness of the importance of overall wellness across Emera. In 2018, the Employee Assistance Program expanded to include employees across Emera, allowing Emera employees and their families to receive high-quality support services for a variety of service offerings.</p>
403-07	PREVENTION AND MITIGATION OF OCCUPATIONAL HEALTH AND SAFETY IMPACTS DIRECTLY LINKED BY BUSINESS RELATIONSHIPS	<p>Emera and its affiliates are in the process of implementing a Safety Management System (SMS) that addresses safety performance and injury prevention for employees and contractors. The effectiveness of the SMS and of Emera's overall safety performance are reviewed regularly.</p>
403-08	WORKERS COVERED BY AN OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM	<p>The Emera Safety Management System (SMS) includes all employees. Contractor requirements are also covered as part of the Emera SMS.</p>
403-09	WORK-RELATED INJURIES	<p>In 2018, for Emera employees, there were no fatalities and 93 OSHA recordable injuries, with a rate of 1.29, based on approximately 14.4 million hours. For contractors, there were no fatalities and 42 OSHA recordable injuries, with a rate of 1.04, based on an estimate of approximately 8.1 million hours worked. All rates for Emera employees and contractors are based on a 200,000-hour conversion. Please note that consultants' exposure hours are not included within the contractor data provided. However, incident reports associated with consultants working at Emera locations are captured.</p> <p>Hazard identification and the development of the appropriate procedures/mitigations are part of the Emera Safety Management System. This includes using the hierarchy of controls.</p>

404 TRAINING AND EDUCATION

404-02	PROGRAMS FOR UPGRADING EMPLOYEE SKILLS AND TRANSITION ASSISTANCE PROGRAMS	<p>Emera works hard to attract top-quality talent and to provide people the tools they need to achieve greater success. Emera offers many opportunities for employees to grow in their careers by taking on new roles in different parts of the business. Emera's annual performance plan (MAPP) process provides an opportunity for employees, in conjunction with their leaders, to identify development areas and formal and informal training opportunities. Emera affiliates offer longer-term career planning to employees through the Employee Development Assistance program for Canadian affiliates and other tuition assistance programs, which allows employees to apply for funding for training outside their current role.</p> <p>Emera is focused on developing leaders within the business. In 2018, Emera launched an online learning portal and learning management system. The system provides all employees with access to e-learning programs to support skill development in a variety of areas, including leadership competencies. Emera also offers several in-house leadership development programs, which are available to all Emera company employees.</p> <p>Emera provides transition assistance to employees to facilitate continued employability.</p>
404-03	PERCENTAGE OF EMPLOYEES RECEIVING REGULAR PERFORMANCE AND CAREER DEVELOPMENT REVIEWS	<p>Employees of all Emera companies complete an annual performance and career development review. The program includes employees and leaders working together to set goals and measures of success, and identify development areas to be reviewed and evaluated throughout the year.</p>

405 DIVERSITY AND EQUAL OPPORTUNITY

405-01	DIVERSITY OF GOVERNANCE BODIES AND EMPLOYEES	<p>In 2018, 29 per cent of Emera's total workforce, 33 per cent of Emera Senior Executives and 33 per cent of the Emera Board of Directors were female.</p>
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411 RIGHTS OF INDIGENOUS PEOPLES

411-01	RIGHTS OF INDIGENOUS PEOPLES	<p>Indigenous communities are an important and valued partner across Emera's operations. We are committed to building and maintaining strong, collaborative relationships that are based on trust, open communication and respect. We know that by working together we can create a more collaborative future for all, everywhere we work. We acknowledge and respect the culture, heritage and traditions of indigenous peoples.</p> <p>The Emera 2018 Sustainability Report provides examples of engagement activities and business relationships between indigenous peoples and Emera affiliates. There have not been any legal cases involving the rights of indigenous peoples associated with Emera operations.</p>
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G4 SECTOR DISCLOSURES

EU1 INSTALLED CAPACITY

Installed Capacity (MW)

Energy Source	Canada	United States	Caribbean	TOTAL
Coal	1,225	1,823	-	3,048
Natural gas*	439	5,016	-	5,455
Petroleum	560	2	368	930
Biomass	93	-	-	93
Hydroelectric	407	-	6	413
Solar	-	168	10	178
Wind	147	-	-	147
TOTAL	2,871	7,008	384	10,264

* Unit 1 at Polk included with natural gas.

EU2 NET ENERGY OUTPUT

Net Generation (GWh) by Energy Source and Region

Energy Source	Canada	United States	Caribbean	TOTAL
Coal	6,038	3,534	-	9,572
Natural gas*	1,427	21,675	-	23,102
Petroleum	137	-	1,155	1,292
Biomass	189	105	-	294
Hydroelectric	940	-	24	964
Solar	-	119	18	137
Wind	262	-	-	262
TOTAL	8,994	25,432	1,197	35,623

* Unit 1 at Polk included with natural gas.

GRI Disclosure	Description	Response																																				
EU3	NUMBER AND TYPE OF CUSTOMER ACCOUNTS	<p>Retail Electric Customer Count (at end of year)</p> <table border="1"> <tr> <td>Commercial</td> <td>156,969</td> </tr> <tr> <td>Industrial</td> <td>6,005</td> </tr> <tr> <td>Residential</td> <td>1,434,670</td> </tr> <tr> <td>Other</td> <td>19,741</td> </tr> </table> <p>The number of utility connections at Emera in 2018 was 1,616,000.</p>	Commercial	156,969	Industrial	6,005	Residential	1,434,670	Other	19,741																												
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EU4	LENGTH OF ABOVE AND UNDERGROUND TRANSMISSION AND DISTRIBUTION LINES	<table border="1"> <thead> <tr> <th></th> <th>Total (km)</th> <th>Aboveground (km)</th> <th>Underground (km)</th> </tr> </thead> <tbody> <tr> <td>Transmission lines</td> <td>10,344</td> <td>10,228</td> <td>116</td> </tr> <tr> <td>Canada</td> <td>5,669</td> <td>5,669</td> <td>0</td> </tr> <tr> <td>United States</td> <td>3,952</td> <td>3,938</td> <td>14</td> </tr> <tr> <td>Caribbean</td> <td>723</td> <td>621</td> <td>102</td> </tr> <tr> <td>Distribution lines</td> <td>65,268</td> <td>56,156</td> <td>9,112</td> </tr> <tr> <td>Canada</td> <td>27,389</td> <td>27,020</td> <td>369</td> </tr> <tr> <td>United States</td> <td>33,750</td> <td>25,055</td> <td>8,695</td> </tr> <tr> <td>Caribbean</td> <td>4,129</td> <td>4,081</td> <td>48</td> </tr> </tbody> </table>		Total (km)	Aboveground (km)	Underground (km)	Transmission lines	10,344	10,228	116	Canada	5,669	5,669	0	United States	3,952	3,938	14	Caribbean	723	621	102	Distribution lines	65,268	56,156	9,112	Canada	27,389	27,020	369	United States	33,750	25,055	8,695	Caribbean	4,129	4,081	48
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EU12	TRANSMISSION AND DISTRIBUTION LOSSES	<table border="1"> <thead> <tr> <th></th> <th>% of Annual Load</th> </tr> </thead> <tbody> <tr> <td>Transmission losses</td> <td>3.5</td> </tr> <tr> <td>Distribution losses</td> <td>5.6</td> </tr> </tbody> </table>		% of Annual Load	Transmission losses	3.5	Distribution losses	5.6																														
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GRI Disclosure	Description	Response																														
EU13	BIODIVERSITY OF OFFSET HABITATS	<p>Nova Scotia Power Inc. (NSPI) was required by the federal Department of Fisheries and Oceans to offset 5,220 m² of fish habitat associated with the proposed Tusket Hydro main dam upgrade. This number was calculated from 1,740 m² of fish habitat that could be impacted from the new permanent dam footprint, multiplied by three. NSPI submitted a plan to meet this requirement in 2017. The Clean Annapolis River Project (CARP) group was contracted in late 2017 to perform habitat restoration in the Annapolis and Fales Rivers candidate sites, as per their proposal. In 2018, CARP targeted 5,280 m² of fish habitat on the Fales River for restoration. This was exceeded as restoration took place in a 356 m stretch of river with an average width of 17.2 m, totalling approximately 6,116 m². This habitat restoration was designed to benefit salmonids.</p> <p>Tampa Electric also conducts some work on 107 acres (approximately 43,000 m²) in the Grange Hall Solar conservation area. The area has a forested floodplain and contains a tributary to the Little Manatee River. Species that will benefit include the bald eagle, the gopher tortoise, wading birds and osprey.</p>																														
EU15	PERCENTAGE OF EMPLOYEES ELIGIBLE TO RETIRE IN THE NEXT 5 AND 10 YEARS	<p>Retirement Eligibility by Region and Category</p> <table border="1"> <thead> <tr> <th></th> <th>0-5 Years</th> <th>6-10 Years</th> </tr> </thead> <tbody> <tr> <td>Canada</td> <td>24%</td> <td>16%</td> </tr> <tr> <td>Unionized employees</td> <td>11%</td> <td>6%</td> </tr> <tr> <td>Non-unionized employees</td> <td>14%</td> <td>10%</td> </tr> <tr> <td>United States</td> <td>52%</td> <td>20%</td> </tr> <tr> <td>Unionized employees</td> <td>14%</td> <td>3%</td> </tr> <tr> <td>Non-unionized employees</td> <td>38%</td> <td>17%</td> </tr> <tr> <td>Caribbean</td> <td>4%</td> <td>9%</td> </tr> <tr> <td>Unionized employees</td> <td>2%</td> <td>7%</td> </tr> <tr> <td>Non-unionized employees</td> <td>1%</td> <td>2%</td> </tr> </tbody> </table> <p>Note: Percentages are based on permanent full-time employee totals by region.</p>		0-5 Years	6-10 Years	Canada	24%	16%	Unionized employees	11%	6%	Non-unionized employees	14%	10%	United States	52%	20%	Unionized employees	14%	3%	Non-unionized employees	38%	17%	Caribbean	4%	9%	Unionized employees	2%	7%	Non-unionized employees	1%	2%
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EU17	DAYS WORKED BY CONTRACTOR AND SUBCONTRACTOR EMPLOYEES	Emera and its affiliates utilize contractors as part of their business. This is often in areas where specialized training, scope of work or equipment is required as part of the work.																														
EU18	PERCENTAGE OF CONTRACTOR AND SUBCONTRACTOR EMPLOYEES THAT HAVE UNDERGONE RELEVANT HEALTH AND SAFETY TRAINING	<p>Persons working for, or on behalf of, Emera or an Emera affiliate are required to participate in basic health and safety orientation/training/awareness of hazards of the work being performed and of the workplace prior to commencement of work.</p> <p>Emera and its affiliates utilize contractors as part of their business. These are often in areas where specialized training, scope of work, or equipment is required as part of the work. Contractors are hired through the company procurement process and are informed of hazards associated with their scope of work. The scope and related job tasks dictate the contractor training and competency requirements. There are instances where contractors require more specialized training than employees. No contractors are allowed to undertake work at Emera facilities for which they are not competent.</p>																														
EU26	PERCENTAGE OF POPULATION UNSERVED	Within the service areas of Emera's regulated utilities, there are no material areas that are unserved. All customers have access to electricity service.																														

GRI Disclosure	Description	Response
EU28	POWER OUTAGE FREQUENCY	For 2018, Emera's Report System Average Interruption Frequency Index (SAIFI) was 3.45 (All-in) and 2.15 (MEDS & Planning Outages not included). SAIFI is calculated using the total number of customer interruptions (over one-minute long) against the average number of customers for the specific reporting period.
EU29	AVERAGE POWER OUTAGE DURATION	For 2018, Emera's Report System Average Interruption Duration Index (SAIDI) was 8.34 (All-in) and 3.15 (MEDS & Planning Outages not included). SAIDI is calculated using the total customer interruption duration (over one-minute long) against the average number of customers for the specific reporting period.
G4-11	CONTRACTOR WORKFORCE COVERED UNDER COLLECTIVE BARGAINING AGREEMENTS	Emera does not track the number of contractors that are covered by collective bargaining agreements.
G4-EN8	TOTAL WATER WITHDRAWAL BY SOURCE	Addressed in response to GRI 303-03

G4-EN15 DIRECT GREENHOUSE GAS (GHG) EMISSIONS (SCOPE 1)

2018 Scope 1 Emissions per MWh

Country	Net Generation (MWh)	CO ₂ e Total (tonnes)	CO ₂ e/MWh	Net Generation from Fossil Fuel (MWh)	CO ₂ e from Fossil Fuel (tonnes)	CO ₂ e/MWh from Fossil Fuel
Caribbean	1,196,960	1,002,327	0.84	1,154,884	1,002,327	0.87
Canada	8,993,596	6,963,607	0.77	7,602,820	6,963,607	0.92
United States	25,432,384	12,877,425	0.51	24,658,821	12,877,425	0.52

Note: Gases included in CO₂e include CO₂, CH₄, N₂O, and SF₆.

G4-EN16 ENERGY INDIRECT GREENHOUSE GAS (GHG) EMISSIONS (SCOPE 2)

2018 Scope 2 Emissions per MWh

Country	Net Generation (MWh)	CO ₂ e Total (Scope 2) (tonnes)	CO ₂ e/MWh
Caribbean	0	0	-
Canada	0	0	-
United States	1,029	410	0.40

GRI

Disclosure	Description	Response																
G4-EN21	NO _x , SO _x AND OTHER SIGNIFICANT AIR EMISSIONS	<p>2018 Other Emissions per MWh</p> <table border="1"> <thead> <tr> <th></th> <th>Emissions</th> <th>Per MWh Net Gen - All Generating Capacity</th> <th>Per MWh Net Gen - Combustion Power Plants</th> </tr> </thead> <tbody> <tr> <td>NO_x (tonnes)</td> <td>22,697</td> <td>0.0006</td> <td>0.0007</td> </tr> <tr> <td>SO₂ (tonnes)</td> <td>78,669</td> <td>0.0022</td> <td>0.0023</td> </tr> <tr> <td>Hg (kg)</td> <td>75</td> <td>0.0000021</td> <td>0.0000022</td> </tr> </tbody> </table>		Emissions	Per MWh Net Gen - All Generating Capacity	Per MWh Net Gen - Combustion Power Plants	NO _x (tonnes)	22,697	0.0006	0.0007	SO ₂ (tonnes)	78,669	0.0022	0.0023	Hg (kg)	75	0.0000021	0.0000022
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G4-EN22	TOTAL WATER DISCHARGE BY QUALITY AND DESTINATION	Emera affiliates discharge water in compliance with regulatory and operating permits. Water plays a critical role at our hydro and thermal power plants, and every effort is made to avoid unplanned discharges. In 2018, no water bodies were significantly impacted by discharges from Emera facilities.
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G4-LA1	TOTAL NUMBER AND RATES OF NEW EMPLOYEE HIRES AND EMPLOYEE TURNOVER	<p>Average Length of Tenure of Leaving Employees, by Gender and Age Group (years)</p> <table border="1"> <thead> <tr> <th></th> <th>Female</th> <th>Male</th> </tr> </thead> <tbody> <tr> <td>Under 30</td> <td>2.0</td> <td>2.2</td> </tr> <tr> <td>30-50</td> <td>5.8</td> <td>4.8</td> </tr> <tr> <td>Over 50</td> <td>19.1</td> <td>26.1</td> </tr> </tbody> </table> <p>Note: Hire and turnover rates are noted in GR1 401-01.</p>		Female	Male	Under 30	2.0	2.2	30-50	5.8	4.8	Over 50	19.1	26.1
	Female	Male												
Under 30	2.0	2.2												
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Over 50	19.1	26.1												

G4-LA6 TYPES OF INJURY AND RATES OF INJURY, OCCUPATIONAL DISEASES, LOST DAYS, AND ABSENTEEISM AND WORK-RELATED FATALITIES

	Employees	Contractors	Units
Medical Aid (MA)	22	20	Number
Restricted Work (RW)	46	8	Number
Lost Time (LT)	25	14	Number
Fatality	0	0	Number
Injury Rate (IR)	1.29	1.04	Injuries per 200,000 hours worked or per 100 employees
Lost Time Frequency (LTF) Rate	0.35	0.35	Lost time incidents per 200,000 hours worked or per 100 employees
Lost Day Rate/Lost Time Severity	10.97	n/a	Lost time days per 200,000 hours worked or per 100 employees
Hours	14.4 million	8.1 million <i>(estimated)</i>	Hours

G4 DMA AVAILABILITY AND RELIABILITY

Customers count on us for energy to power every moment of every day, and for solutions for a sustainable tomorrow. Emera affiliates operating in rate-regulated markets are required to have processes in place to ensure short- and long-term availability. With respect to long-term planning, this includes Integrated Resource Planning to anticipate long-term generation and demand requirements and investment in assets to meet future energy needs. With respect to short-term availability, this includes appropriate maintenance practices, including vegetation management to minimize outages, coordinated responses to events, including storms, and continual monitoring and improvement of reliability metrics.

G4 DMA DEMAND-SIDE MANAGEMENT

In 2018, Tampa Electric continued operating within the 2015-2024 DSM Plan, which supports the approved Florida Public Service Commission (FPSC) goals, which are reasonable, beneficial and cost-effective to all customers as required by the *Florida Energy Efficiency and Conservation Act*. As such, Tampa Electric files an annual summary of its Demand-Side Management program accomplishments and Form EIA-861. Examples of these programs at Tampa Electric include free energy audits, numerous energy rebate and incentive programs, and energy education, awareness and outreach. In 2018, Tampa Electric's conservation programs reduced the use of energy by 69.2 GWh.

In Nova Scotia, DMS programs are funded by NSPI pursuant to legislation requirements within the *Public Utilities Act*. This legislation requires that NSPI purchase electricity efficiency and conservation activities from EfficiencyOne, which is a public utility regulated by the Nova Scotia Utility and Review Board. Examples of these activities include home energy assessments, numerous energy rebate and incentive programs, free energy efficient products, and energy efficiency education and advice. In 2018, the energy savings achieved was 151 GWh.

Utilities in the state of New Mexico are required to offer energy efficiency programs to customers through the *Efficient Use of Energy Act*. New Mexico Gas Co. (NMGC) provides energy efficiency programs designed to incentivize residential and commercial customers to purchase or install high efficiency measures that decrease the use of natural gas in their homes or businesses. The NMGC 2018 program was expected to save approximately 1.1 million therms.

GRI Disclosure	Description	Response
G4 DMA	WATER	<p>Water plays a critical role in generating electricity at our hydro and thermal power plants. Whether we are drawing water to turn hydro turbines, to create steam, or to cool water in our thermal plants, we take care not to impact plants or animals in the area.</p> <p>NSPI operates 33 hydro generating stations, located in 17 watersheds throughout the province of Nova Scotia. Each hydro system is operating in accordance with a "Water Approval for Storage/Withdrawal of Water" under the <i>Nova Scotia Environment Act</i>, and is required to undergo a relicensing process for renewal of these approvals generally every 10 years, which involves engagement with stakeholders, a full suite of environmental studies, and assessment of the effects of water management strategies. NSPI facilities are operated to meet the Dam Safety Guidelines and conducts flood studies, along with a comprehensive review of hydrology of the watershed, as part of the dam safety review every seven years. All NSPI hydro systems are run-of-river, and water management is driven by seasonal availability of water. As such, the provision of fish passage for diadromous and resident fish population is an environmental risk. In 2018, NSPI completed a watershed risk assessment exercise to identify high-priority hydro systems for further studies into migration options for any impacts that hydroelectricity generation may have on the river system.</p> <p>At Tampa Electric's Big Bend and Bayside power stations, water is used to cool steam by circulating saltwater from Tampa Bay through a "once through cooling" process that returns water back to the bay. This return also serves as the intake for the Tampa Bay Seawater Desalination facility, a drought-proof, alternative water supply that provides up to 25 million gallons per day of drinking water to the region. At both plants, the plant drainage system collects and diverts rainwater to an industrial wastewater pond or collection system. Through a partnership with the Florida Department of Environmental Protection and the Tampa Bay Estuary Program's Nitrogen Management Consortium, TECO Energy's investments to reduce NO_x emissions and total nitrogen discharges to the bay have helped improve water clarity, fostering sea grass recovery.</p> <p>Due to the innovative siting of the Polk Power Station on previously mined lands, Tampa Electric was able to modify existing mine cuts on the site to serve as the plant's cooling water reservoir, which allows the facility to treat and recycle this water continuously to reduce overall water consumption, as well as reducing the need to discharge effluent from the site. The plant's design maximizes plant water recycling and reuse and minimizes groundwater withdrawal and off-site discharges. The Reclaimed Water Project allows Tampa Electric to collect reclaimed water from the cities of Lakeland and Mulberry as well as Polk County, treat it and use it for cooling water at the Polk Power Station. This project is a co-operative partnership between Tampa Electric, the city of Mulberry, Polk County and the Southwest Florida Water Management District (SWFWMD). It is jointly funded by Tampa Electric and SWFWMD.</p>
G4 DMA	MATERIALS	<p>Emera companies are focused on the removal of in-service PCB equipment. All PCB in-service equipment has been phased out at Tampa Electric. NSPI is on track to remove all in-service PCB equipment by 2025, as required by federal regulations. Other Emera companies have programs in place and are on track with the phase-out of PCB equipment.</p>
G4 DMA	EMPLOYMENT	<p>Emera's ability to deliver service to its customers and to execute its growth plan depends on its ability to attract, develop and retain a skilled workforce. As such, Emera's workforce planning programs function to understand the required skillsets and competencies to successfully execute on the company's business strategy. Emera places emphasis on identifying future leaders and building leadership talent within the company. In 2018, all company leaders and high-potential leaders were fully assessed and included in the Emera Talent Review and Succession Planning activities.</p> <p>Emera companies contribute to apprenticeship programs, participate in co-op student programs and support scholarship and bursary programs to attract top talent early. NSPI offers scholarships and bursaries including those for emerging leaders, women in trades, engineering, technology and innovation, African Nova Scotians and Mi'kmaq.</p> <p>In 2018, Emera was named one of Canada's Best Employers (<i>Forbes Magazine</i>), one of Atlantic Canada's Top Employers and one of Nova Scotia's Top Employers.</p>

GRI Disclosure	Description	Response
G4 DMA	EMPLOYMENT	<p>Emera and its affiliates are in the process of implementing a Safety Management System, which requires employees to understand their responsibilities under the program. Training requirements are dependent on the technical requirements of job tasks and identified hazards and risks. Hazards and risks are identified as part of the Safety Management System, and these are integrated into Job Safety Analyses and safe work procedures.</p> <p>Health and safety training is embedded into many programs including onboarding, Code of Conduct training, site orientations, mentoring programs, safety programs and on-the-job training programs. Training and awareness can be conducted in a variety of ways (e.g., on-site, off-site, formal, informal, internal training or training provided by external organization) and is dependent on the type of training being provided.</p> <p>Emera and its affiliates provide all their employees with the equipment required to complete their jobs safely. Contractors are required to ensure their employees have all the equipment needed to complete their jobs while on Emera sites. Safety observations and other similar inspection activities are carried out to ensure proper equipment is being used.</p> <p>A process for identification and tracking of training requirements and completion for each affiliate is an aspect of Emera's Safety Management System. The effectiveness of training is reviewed through regular inspections and audits.</p>
G4 DMA	FREEDOM OF ASSOCIATION AND COLLECTIVE BARGAINING	Emera respects the rights of bargaining agreements. Emera and its affiliates adhere to the collective bargaining process, including the right to bargain and strike, and observe all regulatory requirements.
G4 DMA	DISASTER/EMERGENCY PLANNING AND RESPONSE	Emera and its affiliates have processes in place to address disaster/emergency planning and response, which are reviewed regularly.