Capital Power

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2022 GRI and SASB Index

GRI 2: General disclosures 2022

Disclosure number	Disclosure title	2022 response
The organization and its reporting practices		
2-1	Organizational details	Capital Power Corporation 2022 Annual Information Form > Corporate Structure, page 14 2022 Integrated Annual Report > Introduction > Where we operate, page 03
2-2	Entities included in the organization's sustainability reporting	For all GRI Standards and material topics included, we report only on assets that we operate and provide year-over-year trending where possible. Data from each plant represents the entire plant, not only our financial share of the operation, including York Energy Centre and MCV (50/50 joint venture). Energy production and emissions data from Joffre and Shepard Energy Centre, units we hold an ownership interest in, are not included because we do not hold the operating permits. For MCV, acquired partway through 2022: emissions and other environmental data is reported for the entire reporting period in alignment with the GHG Protocol; MCV is excluded from health and safety data, but will be included in the 2023 reporting period; and MCV is excluded from employee data, as MCV employees are employed by the JV entity. 2022 Integrated Annual Report > Business report > Notes to the consolidated financial statements, page 132
2-3	Reporting period, frequency and contact point	Our report is published annually, covering the reporting period January 1 – December 31 The report was published on March 1, 2023 Organization details: Capital Power 1200 – 10423 101 St. N.W. Edmonton, AB T5H 0E9 info@capitalpower.com www.capitalpower.com
2-4	Restatements of information	No restatements are required
2-5	External assurance	2022 Integrated Annual Report > Assurance, page 115 2023 Management Proxy Circular > Governance > Audit Committee, page 35
Activities and workers		
2-6	Activities, value chain and other business relationships	2022 Integrated Annual Report > What we do, page 06 2022 Integrated Annual Report > Our business model, page 08 2022 Integrated Annual Report > Managing risks and impacts, page 32 2022 Integrated Annual Report > Business report > Significant events, page 62 2022 Annual Information Form > Business of Capital Power, page 25

GRI 2: General disclosures 2022

Disclosure number	Disclosure title	2022 response
Activities and workers		
2-7	Employees	Total employees

	Women	Men	Total
Canada	201	490	691
United States	11	71	82
Total	212	561	**773**

Employees by contract type and gender

	Women	Men	Total
Permanent	196	521	717
Temporary	15	23	38
Non-guaranteed hours	1	17	18
Full-time	194	543	737
Part-time	18	18	36

Employees by contract type and region

	Canada	United States	Total
Permanent	640	77	717
Temporary	37	1	38
Non-guaranteed hours	14	4	18
Full-time	661	76	737
Part-time	30	6	36

Data was gathered as of December 31, 2022 using our Workday System. It includes all permanent employees, temporary and temporary extended employees, casual employees and employees on maternity/parental leave. It excludes pensioners, Board members and employees on long-term disability (LTD), as of December 31, 2022. Casual employees are included in the part-time temporary category.

Data was collected for employees only, by gender, full time/part time, and casual/permanent/temporary. It excludes contingent workers.

There were no significant fluctuations of headcount.

2-8	Workers who are not employees	157 Data was gathered as of December 31, 2022 using our Workday System. It includes all contingent workers (excluded from employee headcounts). It excludes any MCV employees. The most common type of worker who is not an employee are temporary full-time contractors hired through staffing agencies for the purposes of projects and shutdowns. Fluctuations therefore occur based on the timing of projects and shutdowns.
Governance		
2-9	Governance structure and composition	2022 Integrated Annual Report > Governance and ethics > Board diversity, page 49 2022 Integrated Annual Report > Governance and ethics > Governance Framework, page 50 Website > Corporate Governance More comprehensive analysis of the Company's approach to corporate governance matters will be included in the 2023 Management Proxy Circular. The 2023 Proxy relates to the 2023 AGM and will be published in March. In it, we discuss compensation and activities in 2022; however, the slate of directors nominated are for the 2023 AGM.

GRI 2: General disclosures 2022

Disclosure number	Disclosure title	2022 response
Governance		
2-10	Nomination and selection of the highest governance body	2023 Management Proxy Circular > About our nominated directors, page 50 2023 Management Proxy Circular > Recruitment, assessment and tenure, page 31 2023 Management Proxy Circular > Diversity, page 33 2023 Management Proxy Circular > Shareholder proposals, page 36
2-11	Chair of the highest governing body	Our Board Chair, Jill Gardiner, is not an executive officer.
2-12	Role of the highest governance body in overseeing the management of impacts	2023 Management Proxy Circular > ESG oversight, page 22
2-13	Delegation of responsibility for managing impacts	2023 Management Proxy Circular > Roles and responsibilities, page 28
2-14	Role of the highest governance body in sustainability reporting	The Audit Committee is responsible for reviewing public disclosure documents, including sustainability reporting in the IAR, and recommends them to the Board for approval. 2022 Climate Change Disclosure Report > Governance and risk management > Board oversight, page 08
2-15	Conflicts of interest	2023 Management Proxy Circular > Material interests, conflicts of interest and related-party transactions, page 34 2022 Annual Information Form > Directors and officers > Conflicts of interest, page 87
2-16	Communication of critical concerns	Capital Power maintains frequent dialogue with the Board. With respect to critical concerns, the Board meets at least quarterly through regularly scheduled meetings to discuss issues, and/or as appropriate, based on the nature of the issue. The Audit Committee receives quarterly reports and the HSE Committee meets three times per year, and at each meeting they receive HSE Quarterly Status and Environmental Regulatory Update reports as well as verbal operations reports. We do not disclose what is discussed in Board meetings due to confidentiality constraints. Critical concerns are taken to the Board and discussed. Actions are taken or policies are updated, as needed.
2-17	Collective knowledge of the highest governance body	We endeavour to provide education and update contextual information as required to ensure that our directors have the most up-to-date knowledge to inform their decisions, including quarterly updates and reports from executives and committees. Our directors receive materials well in advance of each Board meeting that include background information about items to be considered at the meeting. Directors are encouraged to attend externally hosted education conferences and seminars and Capital Power will contribute toward the cost. 2022 Integrated Annual Report > Governance and ethics > Corporate governance, page 48 2023 Management Proxy Circular > Director education, page 21
2-18	Evaluation of the performance of the highest governance body	2023 Management Proxy Circular > Assessing performance, page 60
2-19	Remuneration policies	2022 Integrated Annual Report > Governance and ethics > Tying leadership compensation to sustainability goals, page 48 2023 Management Proxy Circular > Compensation discussion and analysis, page 42
2-20	Process to determine remuneration	2023 Management Proxy Circular > Compensation discussion and analysis, page 42 Shareholders vote, on an advisory basis, on our approach to executive compensation, which is included in the 2023 Management Proxy Circular. The vote at the 2022 AGM was 90.95% for and 9.05% against.

GRI 2: General disclosures 2022

Disclosure number	Disclosure title	2022 response
Governance		
2-21	Annual total compensation ratio	Annual total compensation ratio: 25.1:1 Percentage increase in annual total compensation ratio: 0:1 Notes: – Includes all employees reported under disclosure 2-7. – Compensation for all applicable employees is valued as a full-time equivalent. – Compensation types include salary, target STIP (if applicable), and target LTIP (if applicable). – The title of the highest-paid individual is Chief Executive Officer.
Strategy, policies and practices		
2-22	Statement on sustainable development	2022 Integrated Annual Report > Introduction > Board Chair and CEO letter, page 10
2-23	Policy commitments	When any Canadian statutory decision maker, court or tribunal applies the Precautionary Principle in making its determination, we consider this principle in the conduct of our activities in like circumstances. The Precautionary Principle says that when an activity raises threats to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically. At Capital Power, we act with integrity and take responsibility for our decisions and actions. The foundations of this culture are our Ethics and Respectful Workplace Policies. Our Indigenous Relations Policy outlines our commitment to work with Indigenous communities in a manner that is respectful and honours the diversity and rights of each community and culture. Our Sustainable Sourcing Policy outlines our firm stance against the use of forced or compulsory labor and any form of slavery and human trafficking, as well as child labor, in our upstream supply chains or any part of our operations.

Policy	Approved	Approval date	Review period
Ethics	Board	2009	Annually, or more frequently when circumstances dictate
Respectful workplace	Board	2018	Annually, or more frequently if an incident occurs or changes in law dictate
Indigenous relations	Executive team	2022	Biennially
Sustainable sourcing	Board	2022	Annually

		Policy commitments are available on our public website and are incorporated into contractual agreements with external parties. Any changes made to these policies are communicated to all employees and agents through internal newsletters and meetings.
2-24	Embedding policy commitments	Our policy commitments apply to our Board and all Capital Power employees, as well as consultants and contractors. Compliance with these policies is a material condition of ongoing employment and relationship with Capital Power. All Capital Power managers are responsible for incorporating the implementation of these policies into their operations and procedures. Capital Power manages supplier policy compliance assessment in advance of procurement, during the execution of the work and upon completion. Capital Power's approach uses policy, third-party administered screening questionnaires, criteria relevant to the specific work set out in procurement documents, and standardized terms and conditions setting out Capital Power expectations. 2022 Integrated Annual Report > Governance and ethics > Ethics and integrity, page 51
2-25	Processes to remediate negative impacts	Website > Ethics policy, I. Reporting, page 10 Website > Ethics policy, II. Investigation process, page 11-14

GRI 2: General disclosures 2022

Disclosure number	Disclosure title	2022 response
Strategy, policies and practices		
2-26	Mechanisms for seeking advice and raising concerns	2022 Integrated Annual Report > Governance and ethics > Ethics and integrity > page 51 Website > Ethics
2-27	Compliance with laws and regulations	There were no significant instances of non-compliance with laws and/or regulations in 2022. No significant fines or non-monetary sanctions for non-compliance with laws and/or regulations were levied in 2022. Capital Power reviews several data points to assess the materiality of a noncompliance event, including impact to business operations, reputational implications, prior events of a similar nature, any referrals to enforcement agencies, and/or penalties/fines assessed and associated dollar amount. Note: This excludes MCV, which will be included in 2023.
2-28	Membership associations	Capital Power maintains organizational-level memberships in the following associations: • Powering Past Coal Alliance • International Emissions Trading Association • Business Council for Sustainable Energy • Business Renewables Center • American Clean Power Association • Western Power Trading Forum • Mid-Atlantic Renewable Energy Coalition • Clean Grid Alliance • Ontario Chamber of Commerce Energy Council • Clean Energy BC • Solar Energy Industries Association • Canadian Renewable Energy Association • American Council on Renewable Energy • Alberta Chamber of Resources • Catalyst • Boston College Center for Corporate Citizenship • Construction Owners Association of Alberta • Independent Power Producers Society of Alberta • Association of Power Producers of Ontario • Canadian Electricity Association • Canadian American Business Council • Edmonton Chamber of Commerce • The Conference Board of Canada • Advanced Power Alliance • Canadian Business for Social Responsibility (CBSR)/EXCEL Partnership • Business Ethics Leadership Alliance • Edmonton Integrity Network • Canadian Council for Aboriginal Business
Stakeholder engagement		
2-29	Approach to stakeholder engagement	2022 Integrated Annual Report > Community and stakeholder engagement > page 42 2023 Management Proxy Circular > Shareholder engagement, page 36
2-30	Collective bargaining agreements	31% of Capital Power employees are covered by collective bargaining agreements. Capital power does not solely use collective agreements to determine working conditions and terms of employment. Capital Power looks at market data which would include unionized and non-unionized companies to determine working conditions and terms of employment.

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
Disclosures on material topics		
3-1	Process to determine material topics	Our material topics were identified during our 2018 ESG materiality assessment. For a description of our 2018 ESG materiality assessment, please see our 2020 Integrated Annual Report, page 12. We plan to conduct our next ESG materiality assessment in 2023.
3-2	List of material topics	Climate change and carbon footprint Innovation Sustainable sourcing Water management There are no changes to our material topics from the previous reporting year.
GRI 201: Economic performance (2016)		
3-3	Management of material topics	Discussion around economic performance can be found throughout the 2022 Integrated Annual Report > Business report, beginning on page 53.
201-1	Direct economic value generated and distributed	Economic value generated and distributed: Direct economic value generated: – Revenues and other income: $2,929M Economic value distributed: – Staff costs and employee benefits expense: $184M Payments to providers of capital: – Interest paid: $110M – Dividends paid: $296M – Income taxes paid: $52M Other operating costs: $1,875M Community investments: $5.4M 2022 Integrated Annual Report > Business report > Statements of changes in equity > page 129 Segmented revenues split between the U.S. and Canada are included within the geographic segment disclosures in note 36 of the financial statements on page 182.
201-2	Financial implications and other risks and opportunities due to climate change	2022 Integrated Annual Report > Business report > Risks and risk management > Climate change > page 84

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 201: Economic performance (2016)		
201-3	Defined benefit plan obligations and other retirement plans	Capital Power employees hired prior to July 1, 2009, participate in the Local Authorities Pension Plan (LAPP), a multi-employer, contributory pension plan for employees of municipalities, hospitals and other public entities in Alberta, governed by the Public Sector Pension Plans Act (Alberta). No liability accrues to participating employers like Capital Power, as the plan is governed by the LAPP Corporation who manage liabilities through contributions collected from employers and plan participants. Employees hired after July 1, 2009, participate in a defined contribution arrangement, a registered pension plan for Canadian employees and a 401(k) for American employees, which do not amass liabilities by design. Certain Canadian employees are eligible to participate in the Supplemental Retirement Plan (SRP), a non-registered plan which provides pension benefits in excess of the maximum limits prescribed by the Income Tax Act (Canada). The plan is funded through general revenues of Capital Power on a pay-as-you-go basis. The defined benefits component of the SRP has an estimated liability of $43M as of December 31, 2022. This retirement plan is governed by the PCG Committee of the Board. Percentage of salary contributed by employee or employer: • LAPP – Employer contributes 9.39% up to the yearly maximum pensionable earnings (YMPE) and 13.84% above the YMPE. Employee contributes 8.39% up to the YMPE and 12.84% over the YMPE. • Defined Contribution Pension Plan (DC) – Employee/Employer each contribute 5% (in cases of <5 years of service), 6.5% (for 5–10 years of service), 8% (>10 years of service). • 401(k) (U.S. employees only) – Employee voluntary deferral, up to 7% employer match. • Savings Plan (eligible employees only) – Employee voluntary deferral, up to 5% employer match. Level of participation in retirement plans: • LAPP/DC – 100% – Mandatory participation (Canada) • 401(k) – 100% voluntary participation rate (U.S.) • Savings Plan – 86% voluntary participation rate (Canada)
201-4	Financial assistance received from government	2022 Integrated Annual Report > Business Report > note 6 (Other income), page 144 2022 Integrated Annual Report > Business Report > note 16 (Government compensation), page 151
GRI 204: Procurement practices (2016)		
3-3	Management of material topics	Capital Power manages the procurement of goods and services both locally at each of its facilities and centrally through head office oversight. Factors that most often impact procurement decisions include overall value, cost, experience, familiarity, skill, lead time, supplier location, reputation, and environmental and social performance. In 2022, shortages and extended lead times frequently were top concerns identified within our supply chain by suppliers and other stakeholders. These factors tended to be prioritized throughout the year in procurement decisions. In some situations, for example select plant maintenance services, these factors favoured local service suppliers because of their familiarity with the site and contact with local labour pools. In other situations, for example parts supply, these factors often favoured larger multinational parts suppliers with larger parts inventories to draw upon. In all cases, risk of shortages and extended lead times highlighted the importance of maintaining strong supplier relationships and better understanding the source of the good or service Capital Power was procuring. 2022 Integrated Annual Report > Sustainable operations and decarbonization > Sustainable sourcing policy, page 33
204-1	Proportion of spending on local suppliers	Capital Power's Sustainable Sourcing Policy defines local suppliers as those that are headquartered in, and/or wholly or partially owned and controlled by one or more individuals that have a substantial connection to, communities in which we operate. Of Capital Power's top twenty suppliers by spend, four met the criteria for local suppliers including our largest supplier by spend.

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 302: Energy (2016)		
3-3	Management of material topics	The environmental program is monitored on a regular basis by the HSE Committee, including compliance with regulatory requirements and the use of internal environmental specialists and independent, external environmental experts. The Company continues to invest in environmental infrastructure related to energy and to ensure that environmental requirements are met, or while implementing procedures to reduce the impact of operations on the environment. All plants are subject to an internal review process which includes an environmental component. Internal audit has developed an Integrated Site Assurance Team (ISAT) program whereby all plants are subject to a multi-disciplinary assurance review on a rotating schedule, which includes a health, safety and environment component. The environmental focus of these audits is the plant's permits and regulatory compliance and/or a management system approach to assessing environmental risk management. In addition, Capital Power's Health, Safety and Environment corporate group is subject to an internal audit every three years where it takes a risk-based approach to determine the scope of the audit. The results of internal audit engagements are distributed to management, who provide responses to each finding, including committed dates for actionable items. Internal audit follows up with management on actionable items until they are completed and reports the status of findings quarterly to the HSE Committee of the Board. External compliance verifications have been initiated on the majority of Canadian thermal facilities around greenhouse gas (GHG) compliance. These verifications look at energy input. Verifications that have covered energy use have found no discrepancies to date. In 2022, Capital Power obtained limited assurance on Scope 1 GHGs disclosed in this report based on absolute emissions and emissions intensity from a third-party independent verifier. The internal reviews performed in 2022 did not result in significant findings that required changes to management approach.
302-1	Energy consumption within the organization	

2022 Coal Consumption (GJ)	2022 Natural Gas Consumption (GJ)	Total Non Renewable Energy Consumption
85,325,590	155,615,349	**240,940,939**

Non-Renewable Energy Consumption by Country

Country	2022 Coal Consumption (GJ)	2022 Natural Gas Consumption (GJ)
Canada	85,325,590	41,336,778
U.S.A	0	114,278,571
Total	**85,325,590**	**155,615,349**

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response

GRI 302: Energy (2016)

302-1 (continued) Energy consumption within the organization

Renewable Energy Consumption by Facility

Country	Prov./State	Facility	Type of Facility	2022 Coal Consumption (GJ)	2022 Natural Gas Consumption (GJ)
Canada	Alberta	Halkirk	Wind	0	0
Canada	Alberta	Whitla 1	Wind	0	0
Canada	Alberta	Whitla 2	Wind	0	0
Canada	Alberta	Strathmore	Solar	0	0
Canada	Alberta	Clydesdale	Solar	0	0
Canada	British Columbia	Quality Wind	Wind	0	0
Canada	British Columbia	Island Generation	Natural gas	0	95,703
Canada	Alberta	Genesee 1 and 2	Coal/Natural gas	60,190,829	6,787,864
Canada	Alberta	Genesee 3	Coal/Natural gas	25,134,761	8,483,473
Canada	Alberta	Genesee Mine	Mining	0	0
Canada	Alberta	Clover Bar	Natural gas	0	6,687,175
Canada	Alberta	Clover Bar LFG	Landfill gas	0	0
Canada	Ontario	East Windsor	Natural gas	0	173,806
Canada	Ontario	York Energy Centre	Natural gas	0	703,789
Canada	Ontario	Goreway	Natural gas	0	18,404,969
Canada	Ontario	Kingsbridge	Wind	0	0
Canada	Ontario	Port Albert	Wind	0	0
Canada	Ontario	Port Dover and Nanticoke	Wind	0	0
U.S.A.	Alabama	Decatur Energy Center	Natural gas	0	21,847,763
U.S.A.	Arizona	Arlington	Natural gas	0	20,939,859
U.S.A.	Michigan	Midland	Natural gas	0	71,490,948
U.S.A.	New Mexico	Macho Springs	Wind	0	0
U.S.A.	North Carolina	Beaufort Solar	Solar	0	0
U.S.A.	Kansas	Bloom	Wind	0	0
U.S.A.	North Dakota	New Frontier	Wind	0	0
U.S.A.	Illinois	Cardinal Point	Wind	0	0
U.S.A.	Texas	Buckthorn	Wind	0	0
Total				**85,325,590**	**155,615,349**

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response

GRI 302: Energy (2016)

302-1 (continued) Energy consumption within the organization

2022 Biomass Consumption (GJ)	2022 Natural Gas Consumption (GJ)	2022 TDF Consumption (GJ)	2022 Total Generation from Waste Heat (GJ)	Total Renewable Energy Consumption
0	352,952	0	**0**	**352,952**

Renewable Energy Consumption by Country

Country	2022 Biomass Consumption (GJ)	2022 Landfill Gas Consumption (GJ)	2022 TDF Consumption (GJ)
Canada	0	352952	0
U.S.A	0	0	0
Total	**0**	**352952**	**0**

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response

GRI 302: Energy (2016)

302-1 (continued) Energy consumption within the organization

Renewable Energy Consumption by Facility

Country	Prov./State	Facility	Type of Facility	2022 Biomass Consumption (GJ)	2022 Landfill Gas Consumption (GJ)	2022 TDF Consumption (GJ)
CANADA	ALBERTA	Halkirk	Wind	0	0	0
CANADA	ALBERTA	Whitla 1	Wind	0	0	0
CANADA	ALBERTA	Whitla 2	Wind	0	0	0
CANADA	ALBERTA	Strathmore	Solar	0	0	0
CANADA	ALBERTA	Clydesdale	Solar	0	0	0
CANADA	BRITISH COLUMBIA	Quality Wind	Wind	0	0	0
CANADA	BRITISH COLUMBIA	Island Generation	Natural gas	0	0	0
CANADA	ALBERTA	Genesee 1 & 2	Coal/ Natural gas	0	0	0
CANADA	ALBERTA	Genesee 3	Coal/ Natural gas	0	0	0
CANADA	ALBERTA	Genesee Mine	Mining	0	0	0
CANADA	ALBERTA	Clover Bar	Natural gas	0	0	0
CANADA	ALBERTA	Clover Bar LFG	Landfill gas	0	352,952	0
CANADA	ONTARIO	East Windsor	Natural gas	0	0	0
CANADA	ONTARIO	York Energy Centre	Natural gas	0	0	0
CANADA	ONTARIO	Goreway	Natural gas	0	0	0
CANADA	ONTARIO	Kingsbridge	Wind	0	0	0
CANADA	ONTARIO	Port Albert	Wind	0	0	0
CANADA	ONTARIO	Port Dover & Nanticoke	Wind	0	0	0
U.S.A.	ALABAMA	Decatur Energy Center	Natural gas	0	0	0
U.S.A.	ARIZONA	Arlington	Natural gas	0	0	0
U.S.A.	MICHIGAN	Midland	Natural gas	0	0	0
U.S.A.	NEW MEXICO	Macho Springs	Wind	0	0	0
U.S.A.	NORTH CAROLINA	Beaufort Solar	Solar	0	0	0
U.S.A.	KANSAS	Bloom	Wind	0	0	0
U.S.A.	NORTH DAKOTA	New Frontier	Wind	0	0	0
U.S.A.	ILLINOIS	Cardinal Point	Wind	0	0	0
U.S.A.	TEXAS	Buckthorn	Wind	0	0	0
Total				**0**	**352,952**	**0**

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
302-1 (continued)	Energy consumption within the organization	

2022 Consumption	GJ
Electricity	**4,686,082**
Heating	**NA**
Cooling	**NA**
Steam	**NA**

** conversion: 1 MWh = 3.6 GJ

2022 Sold	GJ
Electricity	**104,074,700**
Heating	**NA**
Cooling	**NA**
Steam	**5,683,853.56**

** conversion: 1 MWh = 3.6 GJ

Total Energy Consumption (GJ)	245,831,062

Notes:
Conversion of fuel to GJ based on higher heating value of fuel
Conversion of MWh to GJ based on 1 MWh = 3.6 GJ (steam enthalpy)
Net MWh generation (sold electricity) is net “revenue-quality” MWh, unless otherwise noted
Electricity consumption is based on unit parasitic load (gross generation minus net generation)
Higher heating value based on fuel analysis or published values

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 302: Energy (2016)		
302-2	Energy consumption outside the organization	Capital Power does not track this indicator. However, we do track and report scope 3 emissions for relevant categories.
302-3	Energy intensity	**Energy intensity** **7.88** Notes: Organization metric (denominator) is Net MWh Fuel inputs are included in the ratio (GJ) Only energy consumption within the organization is used to calculate the energy intensity
302-4	Reduction of energy consumption	2022 Integrated Annual Report > Sustainable operations and decarbonization > Emissions management, page 29
302-5	Reduction in energy requirements of products and services	2022 Integrated Annual Report > Sustainable operations and decarbonization > Sustainable sourcing policy > page 33
GRI 303: Water and Effluents (2018)		
3-3	Management of material topics	Capital Power's Regulatory and Environmental Policy (R&EP) group, in consultation with government relations, is responsible for early identification of emerging regulatory issues as well as proposed and forthcoming regulatory changes, including water-related issues. They work proactively with internal stakeholders at Capital Power to ensure that the corporate growth strategy is executed within the constraints imposed by current and expected environmental policies in Canada and the U.S. The R&EP group: • Provides details about Canadian and U.S. environmental policy initiatives to internal stakeholders; • Leads an internal multi-disciplinary team to develop Capital Power's positions about environmental policies, including water; • Coordinates the analysis of potential environmental regulations and policies on Capital Power's existing assets, new projects and acquisitions; • Represents and advocates Capital Power's environmental policy positions with industry committees, governments and other stakeholders; and • Coordinates regular communication of environmental policy issues and positions. The R&EP group reports regularly to the Executive Team. All plants are subject to an internal review process which includes an environmental component, focusing on either a plant's permits and regulatory compliance or a management system approach to reviewing environmental risk management. The internal reviews performed in 2022 did not result in significant findings that required changes to management approach. 2022 Integrated Annual Report > Sustainable operations and decarbonization > Water management, page 32
303-1	Interactions with water as a shared resource	Capital Power plans to incorporate asset-by-asset targets as part of its water management strategy. These targets will be set based on materiality, which includes water stress in the areas that we operate. Standards for the quality and quantity of effluent discharges are determined by applicable regional regulatory agencies. In all cases, our approvals include regulatory requirements which involve studies, limits, monitoring and reporting. We comply with all conditions in our operating water approvals and participate in watershed alliances and regional biomonitoring programs for some of our facilities. Capital Power sits on the Alberta Water Council (AWC) Board (a multi-stakeholder partnership to engage industry, NGOs and governments to achieve the outcomes of the Water for Life strategy) as industry vice president, and is a member of the Canadian Electricity Association (CEA), which advocates for the electricity industry positions to the federal government, including protection of fisheries. 2022 Integrated Annual Report > Sustainable operations and decarbonization > Water management, page 32
303-2	Management of water discharge-related impacts	The minimum standards for the quality of effluent discharges are determined by applicable regional regulatory agencies in the form of operating water approvals, permits and licenses. In addition to meeting the regulatory thresholds, we continue to explore and utilize best management approaches for clean water for operational efficiencies.

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 303: Water and Effluents (2018)		
303-3	Water withdrawal	58, 310 ML Notes: Total includes: surface waters, groundwater, seawater, produced waters and third-party waters. All waters discharged were considered to be <1,000 mg/L Total Dissolved Solids. Additional contextual information relating to the provided data is outlined in the sites' operating permits, approvals or licenses issued by the regional regulator or from local water quality objectives. We assume water consumed is equal to water withdrawal minus water discharge.
303-4	Water discharge	36,748 ML Notes: Total includes: surface waters, groundwater, seawater, produced waters and third-party waters. All waters discharged were considered to be <1,000 mg/L Total Dissolved Solids. Operating approvals, permits and/or licenses identify any discharge consents or priority substances to be treated specific to each operational site.
303-5	Water consumption	21,562 ML Notes: Total includes: surface waters, groundwater, seawater, produced waters and third-party waters. Operating approvals, permits and/or licenses identify any discharge consents or priority substances to be treated specific to each operational site.
GRI 305: Emissions (2016)		
3-3	Management of material topics	Responsibilities around energy management are outlined in our HSE Policy, Investment Policy, and Enterprise Risk Policy. 2022 Integrated Annual Report > Sustainable operations and decarbonization > Emissions management, page 29 2022 Climate Change Disclosure Report > Governance and risk management > Management oversight, page 09 2023 Management Proxy > Governance at Capital Power, page 22

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 305: Emissions (2016)		
305-1	Direct (Scope 1) GHG emissions	**Gross Direct GHG Emissions (tonnes CO_2e)** **15,908,540.28**

GHG by Facility

Country	Prov./State	Facility	Type of Facility	GHG excluding Biomass & LFG CO_2e (tonnes/yr)	GHG including Biomass & LFG (tonnes/yr)
Canada	Alberta	Halkirk	Wind	0	0
Canada	Alberta	Whitla 1	Wind	0	0
Canada	Alberta	Whitla 2	Wind	0	0
Canada	Alberta	Strathmore	Solar	0	0
Canada	Alberta	Clydesdale	Solar	0	0
Canada	British Columbia	Quality Wind	Wind	0	0
Canada	British Columbia	Island Generation	Natural gas	4,915	4,915
Canada	Alberta	Genesee 1 and 2	Coal/Natural gas	5,960,019	5,960,019
Canada	Alberta	Genesee 3	Coal/Natural gas	2,782,447	2,782,447
Canada	Alberta	Genesee Mine	Mining	46,753	46,753
Canada	Alberta	Clover Bar	Natural gas	339,166	339,166
Canada	Alberta	Clover Bar LFG	Landfill gas	107	10,613
Canada	Ontario	East Windsor	Natural gas	8,907	8,907
Canada	Ontario	York Energy Centre	Natural gas	35,680	35,680
Canada	Ontario	Goreway	Natural gas	933,693	933,693
Canada	Ontario	Kingsbridge	Wind	0	0
Canada	Ontario	Port Albert	Wind	0	0
Canada	Ontario	Port Dover and Nanticoke	Wind	0	0
U.S.A.	Alabama	Decatur Energy Center	Natural gas	1,103,116	1,103,116
U.S.A.	Arizona	Arlington	Natural gas	1,079,269	1,079,269
U.S.A.	Michigan	Midland	Natural gas	3,614,469	3,614,469
U.S.A.	New Mexico	Macho Springs	Wind	0	0
U.S.A.	North Carolina	Beaufort Solar	Solar	0	0
U.S.A.	Kansas	Bloom	Wind	0	0
U.S.A.	North Dakota	New Frontier	Wind	0	0
U.S.A.	Illinois	Cardinal Point	Wind	0	0
U.S.A.	Texas	Buckthorn	Wind	0	0
Total				**☑ 15,908,540**	**15,919,047**

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 305: Emissions (2016)		
305-1 (continued)	Direct (Scope 1) GHG emissions	GHG by Country

Country	GHG excluding Biomass & LFG CO_2 (tonnes/yr)	GHG including Biomass & LFG (tonnes/yr)
Canadian totals	10,111,685	10,122,192
US Totals	5,796,855	5,796,855
Total	**15,908,540**	**15,919,047**

GHG by Fuel Type

Emission	GHG excluding Biomass & LFG CO_2 (tonnes/yr)	GHG including Biomass & LFG (tonnes/yr)
Coal/Natural gas	7,415,297	7,415,297
Gas	8,446,383	8,446,383
Renewables	107	10,613
Total	**15,861,787**	**15,872,294**
Biogenic GHG Emissions (tonnes CO_2e)		**10,506.39**

Notes:
Gases included in gross direct GHG emission calculation include CO2 , CH4 , N2O and SF6.
Global warming potential rates used are from IPCC Guidelines (AR4 & AR5) for Greenhouse Gas Inventories.
We use a combination of mass balance and emission factors in the calculation of CO2 emissions.
Quantification requirements are dictated by the operational jurisdiction.
Information that was not available for December due to timing of the report was estimated.
This information represents our generation associated with our operating approvals regardless of our financial interest in the facility.
Data from owned capacity at facilities where we do not hold the operating permits is not included in this report.
Organization-specific metric (the denominator) chosen to calculate the ratio: Net MWh.
GHG by Fuel Type excludes the Genesee Mine as it is not part of generation.

305-2	Energy indirect (Scope 2) GHG emissions	46,553 (tonnes CO_2e)
305-3	Other indirect (Scope 3) GHG emissions	3,133,661 (tonnes CO_2e)

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 305: Emissions (2016)		
305-4	GHG emissions intensity	**GHG Intensity (tonnes CO_2e/MWh)** 0.508

*This intensity includes GHG emissions related to MWh production only and excludes steam production at East Windsor.
*This intensity includes emissions from generation only. It does not include Genesee mine emissions (does not generate electricity).

GHG by Facility

Country	Prov./State	Facility	Type of Facility	GHG Intensity (tonnes CO_2e/MWh)
Canada	Alberta	Halkirk	Wind	0.000
Canada	Alberta	Whitla 1	Wind	0.000
Canada	Alberta	Whitla 2	Wind	0.000
Canada	Alberta	Strathmore	Solar	0.000
Canada	Alberta	Clydesdale	Solar	0.000
Canada	British Columbia	Quality Wind	Wind	0.000
Canada	British Columbia	Island Generation	Natural gas	0.433
Canada	Alberta	Genesee 1 and 2	Coal/Natural gas	0.898
Canada	Alberta	Genesee 3	Coal/Natural gas	0.790
Canada	Alberta	Genesee Mine	Mining	0.000
Canada	Alberta	Clover Bar	Natural gas	0.499
Canada	Alberta	Clover Bar LFG	Landfill gas	0.012
Canada	Ontario	East Windsor	Natural gas	0.561
Canada	Ontario	York Energy Centre	Natural gas	0.636
Canada	Ontario	Goreway	Natural gas	0.423
Canada	Ontario	Kingsbridge	Wind	0.000
Canada	Ontario	Port Albert	Wind	0.000
Canada	Ontario	Port Dover and Nanticoke	Wind	0.000
U.S.A.	Alabama	Decatur Energy Center	Natural gas	0.398
U.S.A.	Arizona	Arlington	Natural gas	0.395
U.S.A.	Michigan	Midland	Natural gas	0.481
U.S.A.	New Mexico	Macho Springs	Wind	0.000
U.S.A.	North Carolina	Beaufort Solar	Solar	0.000
U.S.A.	Kansas	Bloom	Wind	0.000
U.S.A.	North Dakota	New Frontier	Wind	0.000
U.S.A.	Illinois	Cardinal Point	Wind	0.000
U.S.A.	Texas	Buckthorn	Wind	0.000
Total				☑ **0.508**

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
GRI 305: Emissions (2016)		
305-4 (continued)	GHG emissions intensity	GHG Intensity by Country

Country	GHG Intensity (tonnes CO_2e/MWh)
Canadian totals	0.631
US Totals	0.380
Total	☑ **0.508**

GHG by Fuel Type

Emission	GHG including Biomass & LFG (tonnes/yr)
Coal/Natural gas	0.863
Gas	0.481
Renewables	0.000
Total	☑ **0.508**

Notes:
This intensity includes GHG emissions related to MWh production only and excludes emissions related to the Genesee Mine.
Organization-specific metric (the denominator) chosen to calculate the ratio: Net MWh.
Types of GHG emissions included in the intensity ratio: Scope 1.
Gases included: CO_2, CH_4, N_2O, HFCs, SF_6.
Capital Power follows the recommendations in the GHG Protocol, for the timing of recalculations for structural changes. When the significant structural change of adding MCV occurred in 2022, base year emissions were recalculated and the full year emissions from MCV were added to our actual emission and emission intensity values.

305-5	Reduction of GHG emissions	**GHG emission reductions (tonnes CO_2e)**	968,718.20

Notes:
Reduction initiatives include Genesee Performance Standard and co-firing with natural gas.
Denominator used is Net Generation (sold MWh).
Gases included: CO_2, CH_4, N_2O.
Base year for calculation: 2016.
Reductions are for direct (Scope 1) emissions.
Reduction calculations compared the 2016 (base year) GHG intensity and the 2022 GHG intensity and the reduction in intensity was applied to the 2022 generation. It is assumed that any reduction in intensity is due to efficiency improvements and co-firing with natural gas. 2016 was selected as a baseline year for this metric because this was the year preceding the reduction initiatives related to the Genesee Performance Standard.

305-6	Emissions of ozone-depleting substances (ODS)	We had no ODS emissions in 2022.

305-7 Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions

Parameter	2022 Emissions	Units
NOx	17,895	tonnes
SO_2	17,926	tonnes
Particulate Matter (PM)	1,094	tonnes
Mercury	26	kg

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response

GRI 305: Emissions (2016)

305-7 (continued) Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions

Emissions by Facility

Country	Prov./State	Facility	Type of Facility	NOx (tonnes/yr)	SO_2 (tonnes/yr)	Total PM (tonnes/yr)	Hg (kg/yr)
Canada	Alberta	Halkirk	Wind	0	0	0	0
Canada	Alberta	Whitla 1	Wind	0	0	0	0
Canada	Alberta	Whitla 2	Wind	0	0	0	0
Canada	Alberta	Strathmore	Solar	0	0	0	0
Canada	Alberta	Clydesdale	Solar	0	0	0	0
Canada	British Columbia	Quality Wind	Wind	0	0	0	0
Canada	British Columbia	Island Generation	Natural gas	2	0	0	0
Canada	Alberta	Genesee 1 and 2	Coal/Natural gas	12,661	15,643	816	19
Canada	Alberta	Genesee 3	Coal/Natural gas	2,063	2,252	259	7
Canada	Alberta	Genesee Mine	Mining	0	0	0	0
Canada	Alberta	Clover Bar	Natural gas	187	2	1	0
Canada	Alberta	Clover Bar LFG	Landfill gas	15	1	1	0
Canada	Ontario	East Windsor	Natural gas	5	0	0	0
Canada	Ontario	York Energy Centre	Natural gas	17	0	0	0
Canada	Ontario	Goreway	Natural gas	140	5	2	0
Canada	Ontario	Kingsbridge	Wind	0	0	0	0
Canada	Ontario	Port Albert	Wind	0	0	0	0
Canada	Ontario	Port Dover and Nanticoke	Wind	0	0	0	0
U.S.A.	Alabama	Decatur Energy Center	Natural gas	0	0	0	0
U.S.A.	Arizona	Arlington	Natural gas	75	6	14	0
U.S.A.	Michigan	Midland	Natural gas	2,729	18	0	0
U.S.A.	New Mexico	Macho Springs	Wind	0	0	0	0
U.S.A.	North Carolina	Beaufort Solar	Solar	0	0	0	0
U.S.A.	Kansas	Bloom	Wind	0	0	0	0
U.S.A.	North Dakota	New Frontier	Wind	0	0	0	0
U.S.A.	Illinois	Cardinal Point	Wind	0	0	0	0
U.S.A.	Texas	Buckthorn	Wind	0	0	0	0
Total				**17,895**	**17,926**	**1,094**	**26**

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response

GRI 305: Emissions (2016)

305-7 (continued) — Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions

Emissions by Country

Country	NOx (tonnes/yr)	SO_2 (tonnes/yr)	Total PM (tonnes/yr)	Hg (kg/yr)
Canadian totals	15,091	17,903	1,080	26
US Totals	2,804	23	14	0
Total	**17,895**	**17,926**	**1,094**	**26**

Emission by Fuel Type

Emission	Nox (tonnes)	SO_2 (tonnes)	PM (tonnes)	Hg (kg)
Coal/Natural gas	14724	17895	1076	23
Gas	3155	30	17	0
Renewables	15	1	1	0
Total	**17,895**	**17,926**	**1,094**	**23**

Notes:
The majority of these emissions are calculated using direct measurement (Continuous Emissions Monitoring Systems).
Some parameters are calculated using source emission testing or mass balance.
Where emission factors are utilized, the source of the emission factors is typically source testing or EPA-published emission factors.
Calculation methodologies are dictated by jurisdiction.

GRI 308: Supplier Environmental Assessments (2016)

3-3 — Management of material topics

Capital Power manages supplier environmental assessment in advance of procurement, during the execution of the work and upon completion. Capital Power's approach uses policy, third-party administered environmental questionnaires, work specific procurement criteria/processes, standardized terms and conditions, standardized environmental standards, and active site management.

2022 Integrated Annual Report > Sustainable operations and decarbonization > Sustainable sourcing policy, page 33

Other key policies related to supplier environmental performance include Capital Power's Health, Safety, and Environment Policy.

Generally, the primary focus of supplier environmental assessments are the services performed by suppliers at Capital Power sites. Active environmental assessment of supplier activities off-site is limited at present.

Actions taken in 2022 to improve information available for environmental assessment included engaging with a third party service provider to obtain environmental assessment information for our supplier base. Suppliers have been informed that Capital Power is now actively collecting and reviewing this information.

Environmental criteria now available include, among others, the status of supplier corporate environmental performance criteria, water usage tracking, toxic/hazardous material tracking, waste disposal practices, greenhouse gas emission tracking, and environmental compliance records.

Capital Power generally prioritizes environmental assessment of suppliers performing activities that pose a higher environmental risk and/or potential impact. These situations arise most often when the work relates directly to environmental regulations applying to Capital Power and permits obtained by Capital Power.

Prior to selecting suppliers, assessments generally take the form of two-way engagement between the supplier and Capital Power by way of written clarifications and/or discussion.

Post selection assessments may be mandated based on performance or may arise in the case of complaints received from stakeholders or following incidents that from time to time occur. In both the latter cases, investigations are undertaken.

GRI 3: Material topics 2022

Disclosure number	Disclosure title	2022 response
308-1 and 308-2	New suppliers that were screened using environmental criteria, and negative environmental impacts in the supply chain and actions taken	Starting in 2022, for the first time at scale, all new suppliers performing work at an operating facilities and constructions sites are asked to provide responses to an online questionnaire through our third-party contractor management service provider pertaining to the suppliers' environmental maturity, performance, and procedures. Suppliers not performing physical work on site are not included. Responses to the questionnaire are optional at this time and results are primarily used in aggregate by Capital Power to evaluate supply chain environmental maturity and for baselining. Capital Power did not use this information to assess individual supplier performance in 2022.
GRI 414: Supplier Social Assessments (2016)		
3-3	Management of material topics	Capital Power manages supplier social assessment in advance of procurement, during the execution of the work and upon completion. Capital Power's approach uses policy, third-party administered social screening questionnaires, social criteria relevant to the specific work set out in procurement documents, and standardized terms and conditions setting out Capital Power expectations. 2022 Integrated Annual Report > Sustainable operations and decarbonization, Sustainable sourcing policy, page 33 Other key related policies include Capital Power's Ethics Policy. Actions taken in 2022 to improve information available for social assessment included engaging with a third party service provider to obtain social assessment information for our supplier base. Suppliers have been informed that Capital Power is now actively collecting and reviewing this information. Capital Power also separately completed the cataloging of supplier ownership diversity for its supply chain. Social criteria now available for procurement decision making includes among others whether suppliers have procedures in place to eliminate gender bias, the presence of diversity, equity, and inclusion policies, stance on forces labour, the presence/absence of social responsibility screening criteria in the suppliers' supply chains, and whether the ownership of the supplier is controlled by an owner within specified diversity categories. Negative supplier performance related to social criteria may be reported anonymously through Capital Power's ethics hotline for investigation.
414-1, 414-2	New suppliers that were screened using social criteria, and negative social impacts in the supply chain and actions taken	Starting in 2022, for the first time at scale, all new suppliers performing work at an operating facilities and constructions sites are asked to provide responses to an online questionnaire through our third-party contractor management service provider pertaining to the suppliers' social maturity, performance, and procedures. Suppliers not performing physical work on site are not included. Responses to the questionnaire are optional at this time and results are primarily used in aggregate by Capital Power to evaluate supply chain environmental maturity and to establish a baseline. Capital Power did not use this information to evaluate individual supplier performance in 2022.

SASB Index

SASB disclosure	Category	Unit of measure	SASB disclosure reference	2022 Response
Greenhouse gas emissions and energy resource planning				
Gross global Scope 1 emissions	Quantitative	Metric tons (t) CO_2-e	IF-EU-110a.1	15,908,540
Percentage of gross global Scope 1 emissions covered under emissions-limiting regulations	Quantitative	Percentage (%)	IF-EU-110a.1	64%
Percentage of gross global Scope 1 emissions covered under emissions-reporting regulations	Quantitative	Percentage (%)	IF-EU-110a.1	100%
Greenhouse gas (GHG) emissions associated with power deliveries	Quantitative	Metric tons (t) CO_2-e	IF-EU-110a.2	See GRI 305-1
Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	Discussion and analysis	n/a	IF-EU-110a.3	Responsibilities around energy management are outlined in our HSE Policy, Investment Policy, Climate Change Disclosure Report, Enterprise Risk Policy and Management Proxy. See GRI 302-1 and GRI 305-1. 2022 Integrated Annual Report > Sustainable operations and decarbonization > Emissions management, page 29 2022 Climate Change Disclosure Report > Governance and risk management > Management oversight, page 09 Website > HSE Policy 2023 Management Proxy Circular
(1) Number of customers served in markets subject to renewable portfolio standards (RPS) and (2) percentage fulfillment of RPS target by market.	Quantitative	Number, Percentage (%)	IF-EU-110a.4	8,349,000 39.9%
Air quality				
Air emissions of the following pollutants: (1) NO (excluding N2O), (2) SOx, (3) particulate matter (PM10), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population	Quantitative	Metric tons (t), Percentage (%)	IF-EU-120a.1	

	NOx (tonnes/yr)	SO_2 (tonnes/yr)	Total PM (tonnes/yr)	Hg (kg/yr)
	17895	17926	1094	26
% Near areas of dense population	18%	0%	2%	0%

Water management				
(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	Quantitative	Thousand cubic meters (m^3), Percentage (%)	IF-EU-140a.1	See GRI 303-3 and GRI 303-5 According to the WWF water risk filter, the only facility in a region with High or Extremely High Baseline Water Stress is our Arlington Valley facility. Arlington withdrew 2,796 ML (4.8% of total water withdrawals) of water in 2022.
Number of incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations	Quantitative	Number	IF-EU-140a.2	There were no fines in 2022.

SASB Index

SASB disclosure	Category	Unit of measure	SASB disclosure reference	2022 Response
Description of water management risks and discussion of strategies and practices to mitigate those risks	Discussion and analysis	n/a	IF-EU-140a.3	See GRI 303-1
Coal ash management				
Amount of coal combustion residuals (CCR) generated, percentage recycled	Quantitative	Metric tons (t), Percentage (%)	IF-EU-150a.1	**tonnes** / **%** Ash Disposed 763,160 72% Ash Recycled (sold) 290,780 28%
Total number of coal combustion residual (CCR) impoundments, broken down by hazard potential classification and structural integrity assessment	Quantitative	Number	IF-EU-150a.2	Not applicable – Capital Power does not have any impoundments that meet the definition for this topic.
Energy affordability				
Average retail electric rate for (1) residential, (2) commercial, and (3) industrial customers	Quantitative	Rate	IF-EU-240a.1	Not applicable – Capital Power does not have any residential customers.
Typical monthly electric bill for residential customers for (1) 500 kWh and (2) 1,000 kWh of electricity delivered per month	Quantitative	Reporting currency	IF-EU-240a.2	Not applicable – Capital Power does not have any residential customers.
Number of residential customer electric disconnections for non-payment, percentage reconnected within 30 days	Quantitative	Number, Percentage (%)	IF-EU-240a.3	Not applicable – Capital Power does not have any residential customers.
Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory	Discussion and analysis	n/a	IF-EU-240a.4	Not applicable – Capital Power does not sell to a material number of direct customers.
Workforce health and safety				
(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR)	Quantitative	Rate	IF-EU-320a.1	TRIF: 2022 Integrated Annual Report > Our people, page 34 Fatality rate: 0 NMFR: 9.08 Notes: All rates include all contractors in operations and Capital Power employees. They do not include construction projects. The average hours of health, safety and emergency response training for full-time employees is 27 hours. We do not currently track health, safety and emergency response training hours for contract employees.
End-use efficiency and demand				
Percentage of electric utility revenues from rate structures that (1) are decoupled and (2) contain a lost revenue adjustment mechanism (LRAM)	Quantitative	Percentage	IF-EU-420a.1	Not applicable – Capital Power does not sell to a material number of direct customers.

SASB Index

SASB disclosure	Category	Unit of measure	SASB disclosure reference	2022 Response
Percentage of electric load served by smart grid technology	Quantitative	Percentage (%) by megawatt hours (MWh)	IF-EU-420a.2	Not applicable – Capital Power does not sell to a material number of direct customers.
Customer electricity savings from efficiency measures, by market	Quantitative	Megawatt hours (MWh)	IF-EU-420a.3	Not applicable – Capital Power does not sell to a material number of direct customers.
Nuclear safety and emergency management				
Total number of nuclear power units, broken down by U.S. Nuclear Regulatory Commission (NRC) Action Matrix Column	Quantitative	Number	IF-EU-540a.1	Not applicable – Capital Power does not own or operate any nuclear power units.
Description of efforts to manage nuclear safety and emergency preparedness	Discussion and analysis	n/a	IF-EU-540a.2	Not applicable – Capital Power does not own or operate any nuclear power units.
Grid resilience				
Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations	Quantitative	Number	IF-EU-550a.1	Capital Power has not experienced any financial losses related to technology failure, cyber-attacks or security breaches.
(1) System Average Interruption Duration Index (SAIDI), (2) System Average Interruption Frequency Index (SAIFI), and (3) Customer Average Interruption Duration Index (CAIDI), inclusive of major event days	Quantitative	Minutes, number	IF-EU-550a.2	SAIDI, SAIFI, and CAIDI are not applicable to Capital Power's business, as Capital Power does not sell to a material number of direct customers. Capital Power's fleetwide availability in 2022 was 93%.
Activity metrics				
Number of: (1) residential, (2) commercial, and (3) industrial customers served	Quantitative	Number	IF-EU-000.A	Not applicable – Capital Power does not sell to a material number of direct customers.
Total electricity delivered to: (1) residential, (2) commercial, (3) industrial, (4) all other retail customers, and (5) wholesale customers	Quantitative	Megawatt hours (MWh)	IF-EU-000.B	2022 ESG Performance, page 209
Length of transmission and distribution lines	Quantitative	Kilometers (km)	IF-EU-000.C	Not applicable – Capital Power does not own or operate any transmission or distribution lines.
Total electricity generated, percentage by major energy source, percentage in regulated markets	Quantitative	Megawatt hours (MWh), Percentage (%)	IF-EU-000.D	2022 ESG Performance, page 209
Total wholesale electricity purchased	Quantitative	Megawatt hours (MWh)	IF-EU-000.E	71,782

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