

2020 ESG Performance

Capital Power



Capital Power 2020 ESG Performance

The following table provides year-over-year company-wide data for metrics aligned to our priority areas.

	2020	2019	2018	2017	GRI Disclosure	SASB Disclosure
Operations						
Total electricity generated, percentage by major energy source, percentage in regulated markets (megawatt hours (MWh), percentage (%))						
Net Thermal Energy Generation						
Net production – energy source and generation percentage (coal)	9,166,000 (46.3%)	9,312,000 (44.6%)	9,086,000 (56%)	10,249,000 (77%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (natural gas)	5,728,000 (28.9%)	8,349,000 (39.9%)	4,421,000 (27%)	567,000 (4%)	102-7	IF-EU-000.D
Net Renewable Generation						
Net production – energy source and generation percentage (hydro) ¹	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	0.00 (0.00%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (solar)	27,000 (0.1%)	29,000 (0.1%)	27,000 (0.2%)	27,000 (0.2%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (biomass)	356,000 (1.8%)	374,000 (1.8%)	378,000 (2%)	377,000 (3%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (wind)	4,230,000 (21.4%)	2,510,000 (12%)	1,787,000 (13%)	2,053,000 (13%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (tire-derived fuel)	287,000 (1.4%)	325,000 (1.6%)	284,000 (2%)	303,000 (2%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (landfill gas)	3,000 (0.00%)	0.00 (0.00%)	303 (0.002%)	17,000 (0.1%)	102-7	IF-EU-000.D
Economic						
Revenues and other income (\$M)	1,937	1,963	1,417	1,168	201-1	
Adjusted funds from operations (\$M) ²	522	555	397	361	201-1	
Net cash flows from operating activities (\$M)	611	720	450	372	201-1	
Dividends declared per common share (\$/share)	1.99	1.86	1.73	1.62	201-1	
Community investments (\$M) ³	1.50	1.30	1.00	0.94	201-1	
Corporate governance						
Board diversity – gender (%)	44	44	33	30	102-18	
Total compensation ratio – CEO/employees (ratio) ⁴	23.5:1 (CEO/ employees)	20.6:1	22.3:1	15.3:1	102-38	
Political contributions (\$M)	0	0	0	0	415-1	

¹ We no longer generate electricity from hydro since the sale of our two hydroelectric facilities in 2012.

² Commencing in 2017, Capital Power uses adjusted funds from operations (AFFO) as a measure of the Company's ability to generate cash from its current operating activities to fund growth capital expenditures, debt repayments and common share dividends to the Company's shareholders. In 2018, Capital Power made several adjustments to its AFFO measure to better reflect the purpose of the measure; see adjusted funds from operations and adjusted funds from operations per share section of the Management's Discussion and Analysis in the 2019 Integrated Annual Report for further details. Comparative AFFO figures have been restated to reflect the above refinements to the AFFO metric.

³ Values for annual community investment are inclusive of the charitable and non-profit community contributions made in the calendar year, including Capital Power's EmPowering Communities Program and the corporate match portion of the GENerosity Program.

⁴ This ratio considers permanent full- and part-time employees (annualized to full-time equivalent) in Canada and the United States, and annual total compensation includes the following elements in the reporting year: base salary, actual short-term incentive paid and actual long-term incentive granted.

	2020	2019	2018	2017	GRI Disclosure	SASB Disclosure
Supply chain						
Procurement – spending on local suppliers (%) ¹	68	60	63	60	204-1	
Environment						
Energy consumption – natural gas (GJ) ²	49,741,778	70,856,887	90,692,000	103,627,000	302-1	
Energy consumption – coal (GJ) ²	91,150,792	91,302,358	38,169,000	5,670,000	302-1	
Energy consumption – biomass (GJ) ²	6,704,422	6,693,264	6,972,000	6,937,000	302-1	
Energy consumption – landfill gas (GJ) ²	422,202	147,934	397,000	296,000	302-1	
Energy consumption – tire-derived fuel (GJ) ²	5,548,704	5,865,793	5,615,000	5,215,000	302-1	
Energy intensity (GJ/MWh)	7.99	8.37	8.72	9.15	305-4	
Greenhouse gas emissions – Scope 1 absolute (tCO ₂ e) ³	11,527,603	12,650,545	11,023,000	10,521,000	305-1	IF-EU-110a.1 IF-EU-110a.2
Greenhouse gas emissions – intensity (tCO ₂ e/MWh) ⁴	0.58	0.60	0.68	0.79	305-4	
Reduction of GHG emissions (tCO ₂ e)	601,018	886,159	530,230	Not available	305-5	
Air emissions – NO _x (tonnes) ³	16,216	15,552	15,510	16,300	305-7	IF-EU-120a.1
Air emissions – SO ₂ (tonnes) ³	20,565	19,981	20,666	21,900	305-7	IF-EU-120a.1
Air emissions – particulate matter (tonnes) ³	895	1,477	1,644	2,200	305-7	IF-EU-120a.1
Air emissions – mercury (kg) ³	23	20	23	26	305-7	IF-EU-120a.1
Water withdrawal (megalitres)	47,594	51,975	52,000	28,700	303-3	IF-EU-140a.1
Water discharge (megalitres)	37,123	36,003	31,000	14,700	303-4	IF-EU-140a.1
Water consumed (megalitres)	10,471	15,556	21,000	14,000	303-5	IF-EU-140a.1
Total land use (hectares)	3,312	3,173	3,081	2,987	304-1	
Reclaimed land (hectares and percentage of land) ⁵	1,231 (37%)	1,124 (35%)	1,118 (36%)	1,056 (35%)	304-3	
Total weight of waste generated (tonnes) ⁶	1,026,000	976,000	958,000	1,108,000	306-3	
Total waste diverted from disposal (tonnes) ⁶	254,000	223,000	247,000	200,000	306-4	
Total weight of waste directed to disposal (tonnes) ⁶	772,000	754,000	711,000	908,000	306-5	
Number of incidents of non-compliance associated with water quantity and/or quality permits, standards and regulations	0	0	0	0		IF-EU 140a.1

¹ Local is when the supplier's location is in the same province or state where we have operations or offices.

² Year-over-year variance is primarily due to fuel mixture, the number of operating hours of each facility, acquisitions and developments, respectively. Data represents Capital Power's generation associated with its operating approvals rather than its financial share of the operation.

³ Values represent direct emissions from power generation at the facilities we operate and the Genesee Mine.

⁴ This intensity includes GHG emissions related to MWh production only and excludes steam production at East Windsor and mining. Denominator used is Net Generation (sold MWh). Only direct (Scope 1) GHG emissions included in intensity calculation. Gases included in calculation: CO₂, CH₄, N₂O and SF₆.

⁵ Reclaimed refers to land that is either fully certified, is awaiting final certification from the Alberta Energy Regulator (AER) or is ready for application for certification.

⁶ Capital Power monitors ash only, not other types of waste.

	2020	2019	2018	2017	GRI Disclosure	SASB Disclosure
People						
Total number of employees (number) ¹	827	825	770	716	102-8	
Permanent employees (numbers)	786	794	745	685	102-8	
Employee diversity – overall (% female)	25	24	25	25	405-1	
Employee diversity – executive (% female)	43	33	33	33	405-1	
Turnover for permanent employees (%)	7.6	6.9	7.9	7.7	401-1	
Employees covered by collective bargaining agreements (%)	30	30	29	33	102-41	
Employee training – hours per employee (number)	13	17	Not available	Not available	404-1	
Total recordable injury frequency (TRIF – score) ^{2,3}	0.72	0.81	0.74	0.61	403-9	IF-EU-320a.1
Lost time injury/illness frequency (LTIF – score) ³	0.27	0.16	0.08	0.17	403-9	
Lost time injury/illness severity (LTIS – score) ³	4.27	0.79	0.00	0.00	403-9	
Fatality rate (rate)	0	0	0	0	0	IF-EU-320a.1

¹ Full- and part-time permanent, Canada and U.S.

² Numbers include corporate and operations but exclude construction projects.

³ Includes employees and contractors.