



Capital Power 2019 ESG Performance

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

Operations					
	2019	2018	2017	GRI Disclosure	SASB Disclosure
Net production – energy source and generation percentage (coal)	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)	8,349,000 (39.9%)	4,421,000 (27%)	567,000 (4%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (hydro) ¹	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) ²	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)	374,000 (1.8%)	378,000 (2%)	377,000 (3%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (wind)	2,510,000 (12%)	2,053,000 (13%)	1,787,000 (13%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (tire-derived fuel)	325,000 (1.6%)	301,148,000 (2%)	284,000 (2%)	102-7	IF-EU-000.D
Net production – energy source and generation percentage (landfill gas)	0.00 (0.00%)	303 (0.002%)	17,000 (0.1%)	102-7	IF-EU-000.D

Economic					
	2019	2018	2017	GRI Disclosure	SASB Disclosure
Revenues and other income (\$M)	1,963	1,417	1,168	201-1	
Adjusted funds from operations (\$M) ³	555	397	361	201-1	
Net cash flows from operating activities (\$M) ⁴	720	450	372	201-1	
Dividends declared per common share (\$)	1.86	1.73	1.62	201-1	
Community investments (\$M) ⁵	1.31	1.00	1.03	201-1	
Procurement – spending on local suppliers (%)	60	63	60	204-1	

Corporate governance					
	2019	2018	2017	GRI Disclosure	SASB Disclosure
Board diversity – gender (%)	44	44	30	102-18	
Total compensation ratio – CEO/employees (ratio)	20.6:1	22.3:1	15.3:1	102-38	
Political contributions (\$M)	0	0	0	415-1	

Notes

- We no longer generate electricity from hydro since the sale of our two hydroelectric facilities in 2012.
- In December of 2015, we completed the construction of Beaufort Solar, a 15 MW solar facility in North Carolina, therefore, solar production was recorded for the last week of the year in 2016.
- 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.
- Unaudited, \$ millions.
- 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 (beginning in 2015).

Environment

	2019	2018	2017	GRI Disclosure	SASB Disclosure
Energy consumption – natural gas (GJ) ⁶	70,856,887	38,169,000	5,670,000	302-1	
Energy consumption – coal (GJ)	91,302,358	90,692,000	103,627,000	302-1	
Energy consumption – biomass (GJ)	6,693,264	6,972,000	6,937,000	302-1	
Energy consumption – landfill gas (GJ)	147,934	397,000	296,000	302-1	
Energy consumption – tire-derived fuel (GJ)	5,865,793	5,615,000	5,215,000	302-1	
Energy intensity (GJ/MWh)	8.37	8.72	9.15	302-3	
Greenhouse gas emissions – scope 1 absolute (tCO ₂ e)	12,650,545 ⁷	11,023,000	10,521,000	305-1	IF-EU-110a.1 IF-EU-110a.2
Greenhouse gas emissions – intensity (tCO ₂ e/MWh)	0.602 ⁸	0.68	0.79	305-4	
Reduction of GHG emissions (tCO ₂ e)	886,159	530,230	not available	305-5	
Air emissions – NO _x (tonnes)	15,552	15,510	16,300	305-7	IF-EU-120a.1
Air emissions – SO ₂ (tonnes)	19,981	20,666	21,900	305-7	IF-EU-120a.1
Air emissions – particulate matter (tonnes)	1,477	1,644	2,200	305-7	IF-EU-120a.1
Air emissions – mercury (kg)	20	23	26	305-7	IF-EU-120a.1
Water withdrawal (megalitres)	51,795	52,000	28,700	303-3	IF-EU-140a.1
Water discharge (megalitres)	36,003	31,000	14,700	303-4	IF-EU-140a.1
Water consumed (megalitres)	15,556	21,000	14,000	303-5	IF-EU-140a.1
Total land use (hectares)	3,173	3,081	2,987	304-1	
Fully reclaimed land (hectares and percentage of land) ⁹	1,148 (36%)	1,142 (37%)	1,082 (36%)	304-3	
Significant spills (number)	0	0	0	306-3	IF-EU-140a.2

Notes

- 6 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.
- 7 Values represent direct emissions from power generation at the facilities we operate and all numbers, except mercury (Hg), are rounded to the nearest hundred. In accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (World Resources Institute and World Business Council for Sustainable Development [2004]). Reported air emissions are exclusive of the Genesee Mine. In 2019, Scope 1 emissions include emissions from non-generating assets.
- 8 Intensity includes GHG emissions related to MWh production only and excludes steam production at our East Windsor facility. 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.
- 9 Fully 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.

People

	2019	2018	2017	GRI Disclosure	SASB Disclosure
Total number of employees (number) ¹⁰	825	745	685	102-8	
Permanent employees (numbers)	790	745	685	102-8	
Employee diversity – Overall (% female)	50	not available	25	405-1	
Employee diversity – Executive (% female)	33	33	31	405-1	
Turnover for permanent employees (%)	6.9	7.9	7.7	401-1	
Employees covered by collective bargaining agreements (%)	30	30	33	102-41	
Employee training – hours per employee (number)	17	not available	not available	404-1	
Total recordable injury frequency (TRIF – score) ¹¹	0.81	0.74	0.61	403-9	IF-EU-320a.1
Lost time injury/illness frequency (LTIF – score) ¹²	0.16	0.08	0.17	403-9	
Lost time injury/illness severity (LTIS – score) ¹³	0.26	0.00	0.00 ¹⁴	403-9	

Notes

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

11 Includes employees and contractors.

12 Includes employees and contractors.

13 Includes employees and contractors.

14 Two incidents attributed to contractors occurred, but we are unable to track them.