

Plant Summary

As at Dec. 31, 2020	Facility	Installed capacity (MW) ⁽¹⁾	Ownership (%)	Owned capacity (MW) ⁽¹⁾⁽²⁾	Region	Revenue source	Contract expiry date
Thermal 10 facilities	Sundance, AB	1,213	100 %	1,213	Western Canada	Merchant	—
	Keephills, AB	790	100 %	790	Western Canada	Alberta PPA ⁽³⁾ / Merchant ⁽⁵⁾	2020
	Keephills 3, AB	463	100 %	463	Western Canada	Merchant	—
	Sheerness, AB	800	25 %	200	Western Canada	Alberta PPA / Merchant ⁽⁶⁾	2020
	Centralia, WA	1,340	100 %	1,340	United States	LTC ⁽⁷⁾ / Merchant	2020-2025 ⁽⁸⁾
Total Thermal		4,606		4,006			
Gas 12 facilities	Poplar Creek, AB ⁽⁹⁾	230	100 %	230	Western Canada	LTC	2030
	Fort Saskatchewan, AB	118	30 %	35	Western Canada	LTC	2029
	Sarnia, ON*	499	100 %	499	Eastern Canada	LTC	2022-2025
	Ottawa, ON	74	50 %	37	Eastern Canada	LTC/ Merchant	2020-2033
	Windsor, ON	72	50 %	36	Eastern Canada	LTC/ Merchant	2031
	Ada, MI ⁽⁴⁾	29	100 %	29	United States	LTC	2026
	Parkeston, WA ⁽¹¹⁾	110	50 %	55	Australia	LTC	2026
	Southern Cross, WA ⁽¹⁰⁾⁽¹¹⁾	245	100 %	245	Australia	LTC	2038
South Hedland, WA ⁽¹¹⁾	150	100 %	150	Australia	LTC	2042	
Total Gas		1,527		1,316			
Wind & Battery Storage 25 facilities	Summerview 1, AB*	68	100 %	68	Western Canada	Merchant	—
	Summerview 2, AB*	66	100 %	66	Western Canada	Merchant	—
	Ardenville, AB*	69	100 %	69	Western Canada	Merchant	—
	Blue Trail and Macleod Flats, AB*	69	100 %	69	Western Canada	Merchant	—
	Castle River, AB ⁽¹²⁾	44	100 %	44	Western Canada	Merchant	—
	McBride Lake, AB*	75	50 %	38	Western Canada	LTC	2024
	Soderglen, AB*	71	50 %	35	Western Canada	Merchant	—
	Cowley North, AB*	20	100 %	20	Western Canada	Merchant	—
	Sinnott, AB*	7	100 %	7	Western Canada	Merchant	—
	WindCharger battery storage, AB*	10	100 %	10	Western Canada	Merchant	—
	Melancthon, ON ⁽¹³⁾	200	100 %	200	Eastern Canada	LTC	2026-2028
	Wolfe Island, ON*	198	100 %	198	Eastern Canada	LTC	2029
	Kent Breeze, ON*	20	100 %	20	Eastern Canada	LTC	2031
	Kent Hills, NB ⁽¹⁴⁾	167	83 %	139	Eastern Canada	LTC	2035
	Le Nordais, QC*	98	100 %	98	Eastern Canada	LTC	2033
	New Richmond, QC*	68	100 %	68	Eastern Canada	LTC	2033
	Wyoming Wind, WY*	140	100 %	140	United States	LTC	2028
	Lakeswind, MN*	50	100 %	50	United States	LTC	2034
	Big Level, PA*	90	100 %	90	United States	LTC	2034
	Antrim, NH*	29	100 %	29	United States	LTC	2039
Skookumchuck, WA ⁽⁴⁾	137	49 %	67	United States	LTC	2040	
Total Wind		1,694		1,523			
Solar 1 facility	Mass Solar, MA ⁽¹⁵⁾	21	100 %	21	United States	LTC	2032-2035
Total Solar		21		21			
Hydro 27 facilities	Brazeau, AB	355	100 %	355	Western Canada	Alberta PPA	2020
	Bighorn, AB	120	100 %	120	Western Canada	Alberta PPA	2020
	Spray, AB	112	100 %	112	Western Canada	Alberta PPA	2020
	Ghost, AB	54	100 %	54	Western Canada	Alberta PPA	2020
	Rundle, AB	50	100 %	50	Western Canada	Alberta PPA	2020
	Cascade, AB	36	100 %	36	Western Canada	Alberta PPA	2020
	Kananaskis, AB	19	100 %	19	Western Canada	Alberta PPA	2020
	Bearspaw, AB	17	100 %	17	Western Canada	Alberta PPA	2020
	Pocaterra, AB	15	100 %	15	Western Canada	Merchant	—
	Horseshoe, AB	14	100 %	14	Western Canada	Alberta PPA	2020
	Barrier, AB	13	100 %	13	Western Canada	Alberta PPA	2020
	Taylor, AB*	13	100 %	13	Western Canada	Merchant	—
	Interlakes, AB	5	100 %	5	Western Canada	Alberta PPA	2020
	Belly River, AB*	3	100 %	3	Western Canada	Merchant	—
	Three Sisters, AB	3	100 %	3	Western Canada	Alberta PPA	2020
	Waterton, AB*	3	100 %	3	Western Canada	Merchant	—
	St. Mary, AB*	2	100 %	2	Western Canada	Merchant	—
	Upper Mamquam, BC*	25	100 %	25	Western Canada	LTC	2025
	Pingston, BC*	45	50 %	23	Western Canada	LTC	2023
	Bone Creek, BC*	19	100 %	19	Western Canada	LTC	2031
	Akolkolex, BC ⁽⁸⁾ *	10	100 %	10	Western Canada	LTC	2045
	Ragged Chute, ON*	7	100 %	7	Eastern Canada	LTC	2029
	Misema, ON*	3	100 %	3	Eastern Canada	LTC	2027
	Galetta, ON*	2	100 %	2	Eastern Canada	LTC	2030
	Appleton, ON*	1	100 %	1	Eastern Canada	LTC	2030
	Moose Rapids, ON*	1	100 %	1	Eastern Canada	LTC	2030
	Skookumchuck, WA	1	100 %	1	United States	LTC	2020
Total Hydro		948		926			
Total		8,796		7,791			

* TransAlta Renewables Inc. facility.

(1) Megawatts are rounded to the nearest whole number; columns may not add due to rounding.

(2) Includes 100% of TransAlta Renewables assets. As of Dec. 31, 2020, TransAlta owns approximately 60% of the outstanding shares of TransAlta Renewables.

(3) PPA refers to Power Purchase Arrangement. Alberta PPAs expired on Dec. 31, 2020. As of Jan. 1, 2021 the facilities are operating as merchant.

(4) Effective Jan. 1, 2021, facility has been sold to TransAlta Renewables.

(5) Merchant capacity includes a 12 MW uprate on units 1 and 2, which began operation in the second quarter of 2012.

(6) Merchant capacity includes a 10 MW uprate completed in the first quarter of 2016.

(7) LTC refers to Long-Term Contract.

(8) Contract is in place until 2025; however Centralia Unit 1 was retired from service effective Dec. 31, 2020, and capacity decreased to 670 MW on Jan. 1, 2021.

(9) The Poplar Creek plant is operated by Suncor and ownership of the facility will transfer to Suncor in 2030.

(10) Comprised of four facilities.

(11) Gas/diesel.

(12) Includes seven individual turbines at other locations.

(13) Comprised of two facilities.

(14) Comprised of three facilities.

(15) Comprised of four ground-mounted projects and four roof-top projects.