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Hydroelectric Generating Stations

(as of January 1st, 2019)

A hydroelectric generating station is a plant that produces electric power by using water to propel the turbines, which, in turn, drive the alternators.

These power stations generate about a quarter of all the electricity used in the world. With access to vast water reserves, Hydro-Québec uses water to generate almost all of its energy output. In this way, the company helps reduce greenhouse gas emissions.

[Map of major facilities](#) [PDF]

Name	Watersheds	River or other watercourse	Type	Installed capacity (MW) ¹	Number of units	Head ² (m)	Commissioning date ³	Tours
Robert-Bourassa	La Grande	Grande Rivière	Reservoir	5,616	16	137.16	1979–1981	Yes
La Grande-4	La Grande	Grande Rivière	Reservoir	2,779	9	116.7	1984–1986	
La Grande-3	La Grande	Grande Rivière	Reservoir	2,417	12	79	1982–1984	
La Grande-2-A	La Grande	Grande Rivière	Reservoir	2,106	6	138.5	1991–1992	
Beauharnois	Fleuve Saint-Laurent	Lac Saint-François and canal de Beauharnois	Run-of-river	1,900	36	24.39	1932–1961	Yes
Manic-5	Manicouagan	Manicouagan	Reservoir	1,596	8	141.8	1970–1971	Yes
La Grande-1	La Grande	Grande Rivière	Run-of-river	1,436	12	27.5	1994–1995	Yes
René-Lévesque (Manic-3)	Manicouagan	Manicouagan	Run-of-river	1,326	6	94.19	1975–1976	
Jean-Lesage (Manic-2)	Manicouagan	Manicouagan	Run-of-river	1,229	8	70.11	1965–1967	Yes
Bersimis-1	Betsiamites	Betsiamites	Reservoir	1,178	8	266.7	1956–1959	
Manic-5-PA	Manicouagan	Manicouagan	Reservoir	1,064	4	144.5	1989–1990	
Outardes-3	Aux Outardes	Aux Outardes	Run-of-river	1,026	4	143.57	1969	
Sainte-Marguerite-3	Sainte-Marguerite	Sainte-Marguerite	Reservoir	882	2	330	2003	
Laforge-1	La Grande	Laforge	Reservoir	878	6	57.3	1993–	

Name	Watersheds	River or other watercourse	Type	Installed capacity (MW) ¹	Number of units	Head ² (m)	Commissioning date ³	Tours
							1994	
Bersimis-2	Betsiamites	Betsiamites	Run-of-river	845	5	115.83	1959–1960	
Outardes-4	Aux Outardes	Aux Outardes	Reservoir	785	4	120.55	1969	
Eastmain-1-A	La Grande	Rivière Eastmain	Reservoir	768	3	63	2011–2012	
Carillon	Outaouais (lower)	Outaouais	Run-of-river	753	14	17.99	1962–1964	Yes
Romaine-2	Romaine	Romaine	Reservoir	640	2	156	2014	
Toulnostouc	Manicouagan	Toulnostouc	Reservoir	526	2	152	2005	
Outardes-2	Aux Outardes	Aux Outardes	Run-of-river	523	3	82.3	1978	
Eastmain-1	La Grande	Rivière Eastmain	Reservoir	480	3	63	2006	
Brisay	La Grande	Caniapiscau	Reservoir	469	2	37.5	1993	
Romaine-3	Romaine	Romaine	Reservoir	395	2	119	2017	
Péribonka	Péribonka	Péribonka	Run-of-river	385	3	67.6	2007–2008	
Laforge-2	La Grande	Laforge	Run-of-river	319	2	27.4	1996	
Trenche	Saint-Maurice	Saint-Maurice	Run-of-river	302	6	48.47	1950–1955	
La Tuque	Saint-Maurice	Saint-Maurice	Run-of-river	294	6	34.75	1940–1955	
Beaumont	Saint-Maurice	Saint-Maurice	Run-of-river	270	6	37.8	1958–1959	
Romaine-1	Romaine	Romaine	Run-of-river	270	2	61.5	2015	
McCormick⁴	Manicouagan	Manicouagan	Run-of-river	235	7	37.8	1952	
Rocher-de-Grand-Mère	Saint-Maurice	Saint-Maurice	Run-of-river	230	3	24.3	2004	
Paugan	Outaouais (lower)	Gatineau	Run-of-river	226	8	40.54	1928–1956	
Rapide-Blanc	Saint-Maurice	Saint-Maurice	Reservoir	204	6	32.92	1934–1955	
Shawinigan-2	Saint-Maurice	Saint-Maurice	Run-of-river	200	8	44.2	1911–1929	
Shawinigan-3	Saint-Maurice	Saint-Maurice	Run-of-river	194	3	44.2	1948–1949	
Manic-1	Manicouagan	Manicouagan	Run-of-river	184	3	36.58	1966–1967	
Rapides-des-Îles	Outaouais (upper)	Outaouais	Run-of-river	176	4	26.22	1966–1973	

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Chelsea	Outaouais (lower)	Gatineau	Run-of-river	152	5	28.35	1927–1939	
Sarcelle	La Grande	Rivière Eastmain	Run-of-river	150	3	8.7 à 16.1	2013	
La Gabelle	Saint-Maurice	Saint-Maurice	Run-of-river	131	5	17.38	1924–1931	
Première-Chute	Outaouais (upper)	Outaouais	Run-of-river	131	4	22.26	1968–1975	Yes
Les Cèdres	St. Lawrence River	Saint-Laurent	Run-of-river	113	12	9.14	1914–1924	
Rapides-des-Quinze	Outaouais (upper)	Outaouais	Run-of-river	109	6	25.9	1923–1955	
Rapides-Farmer	Outaouais (lower)	Gatineau	Run-of-river	104	5	20.12	1927–1947	Yes
Chute-des-Chats	Outaouais (lower)	Outaouais	Run-of-river	92	4	16.16	1931	
Rapide-des-Cœurs	Saint-Maurice	Saint-Maurice	Run-of-river	76	6	22.69	2008–2009	
Grand-Mère	Saint-Maurice	Saint-Maurice	Run-of-river	67	4	25.61	1916–1930	
Rapide-2	Outaouais (upper)	Outaouais	Run-of-river	67	4	20.43	1954–1964	
Rapide-7	Outaouais (upper)	Outaouais	Reservoir	67	4	20.73	1941–1949	
Chute-Allard	Saint-Maurice	Saint-Maurice	Run-of-river	62	6	17.83	2008–2009	
Bryson	Outaouais (lower)	Outaouais	Run-of-river	56	3	18.29	1925–1949	
Mercier	Outaouais (lower)	Gatineau	Reservoir	55	5	18	2007	
Rivière-des-Prairies	St. Lawrence River	Rivière-des-Prairies	Run-of-river	54	6	7.93	1929–1930	Yes
Hart-Jaune	Manicouagan	Hart-Jaune	Reservoir	51	3	39.6	1960	
Chute-Hemmings	Saint-François	Saint-François	Run-of-river	29	6	14.64	1925	
Sept-Chutes	Sainte-Anne	Sainte-Anne	Run-of-river	22	4	124.97	1916–1999	
Lac-Robertson ⁵	Véco	Véco	Reservoir	22	2	38.5	1995	
Drummondville	Saint-François	Saint-François	Run-of-river	16	4	9.10	1919–1925	
Saint-Narcisse	Batiscan	Batiscan	Run-of-river	15	2	44.81	1926	
Chute-Bell	Outaouais (lower)	Rouge	Run-of-river	10	2	17.8	1915–2011	

Name	Watersheds	River or other watercourse	Type	Installed capacity (MW) ¹	Number of units	Head ² (m)	Commissioning date ³	Tours
Mitis-1	Mitis	Mitis	Run-of-river	6	2	36.58	1922–1929	
Mitis-2	Mitis	Mitis	Run-of-river	4	1	22.86	1947	

1. The installed capacity of Rocher-de-Grand-Mère generating station is the maximum allowed under the operating permit.
2. The head of water shown corresponds to the largest value (greatest height), if there are several values. The head varies with each generating unit. Refurbishment work may therefore change the water head value.
3. Year of commissioning of first and last generating unit in each facility.
4. McCormick generating station is operated by a limited partnership between Hydro-Québec (60%) and Alcoa (40%).
5. Generating station not connected to the Hydro-Québec grid and operated by Hydro-Québec Distribution.

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