

2023 ALBERTA ELECTRIC ENERGY GENERATION (GWh) BY RESOURCE AND INTERCHANGE

Figures are in GWh

Year	Resource Type									Net Interchange		Total
	Natural				Biogas & Biomass		sub total			In	Out	
	Coal	Gas	Hydro	Wind	Solar	Renewables	*Others	Total				
1985	27,798.4	3,806.3	1,385.4	0.1	396.8	0.0	1,782.3	0.4	33,387.4		150.7	33,236.7
1986	29,094.5	3,524.4	1,791.4	0.2	408.9	0.0	2,200.5	0.5	34,819.9		100.9	34,719.0
1987	30,886.2	4,164.9	1,443.6	0.3	373.7	0.0	1,817.6	0.4	36,869.1		478.7	36,390.4
1988	33,103.5	5,300.7	1,422.7	0.2	381.8	0.0	1,804.7	0.4	40,209.3		866.5	39,342.8
1989	34,002.6	7,341.1	1,589.5	0.2	377.5	0.0	1,967.2	0.6	43,311.5		2,289.5	41,022.0
1990	34,963.6	5,551.5	2,050.9	0.6	629.0	0.0	2,680.5	0.6	43,196.2		816.0	42,380.2
1991	36,689.5	5,129.6	2,031.8	0.7	705.2	0.0	2,737.7	0.5	44,557.3		305.3	44,252.0
1992	38,546.7	6,814.2	1,575.0	0.5	913.9	0.0	2,489.4	0.4	47,850.7		1,642.7	46,208.0
1993	39,187.2	6,762.4	1,792.3	1.8	920.3	0.0	2,714.4	0.5	48,664.5		1,599.7	47,064.8
1994	42,269.8	7,468.9	1,763.2	35.6	1,370.9	0.0	3,169.7	1.5	52,909.9		2,108.6	50,801.3
1995	42,460.8	6,236.8	1,999.8	54.3	1,452.6	0.0	3,506.7	1.3	52,205.6		958.9	51,246.7
1996	41,220.3	7,135.0	1,966.7	59.1	1,583.1	0.0	3,608.9	0.4	51,964.6	1,883.8 -		53,848.4
1997	43,054.2	7,654.1	1,824.3	62.0	1,628.8	0.0	3,515.1	0.4	54,223.8	1,039.5 -		55,263.3
1998	41,267.7	10,607.9	2,043.3	49.4	1,659.9	0.0	3,752.6	0.4	55,628.6	768.2 -		56,396.8
1999	40,276.7	10,645.3	2,181.0	64.6	1,718.0	0.0	3,963.6	0.3	54,885.9	999.7 -		55,885.6
2000	40,462.2	13,937.3	1,748.2	71.8	1,625.7	0.0	3,445.7	0.4	57,845.6	360.3 -		58,205.9
2001	41,713.3	15,493.6	1,446.3	151.0	1,619.4	0.0	3,216.7	207.0	60,630.6	-	1,130.6	59,500.0
2002	42,541.7	14,623.3	1,668.0	296.1	1,686.4	0.0	3,650.5	266.7	61,082.3	774.9 -		61,857.2
2003	42,345.7	17,272.7	1,733.0	374.2	1,676.5	0.0	3,783.7	248.1	63,650.3	284.0 -		63,934.3
2004	42,538.6	18,936.3	1,977.2	669.6	1,692.5	0.0	4,339.3	254.3	66,068.6	618.6 -		66,687.2
2005	43,986.2	17,161.6	2,371.8	813.1	1,725.2	0.0	4,910.1	255.9	66,313.8	686.1 -		66,999.9
2006	44,531.4	19,449.2	1,966.4	921.4	1,855.2	0.0	4,742.9	246.9	68,970.4	1,214.0 -		70,184.4
2007	44,278.4	19,804.6	2,113.0	1,430.3	1,870.4	0.0	5,413.7	237.9	69,734.6	695.6 -		70,430.2
2008	42,418.7	21,036.0	2,149.9	1,472.9	1,917.4	0.0	5,540.2	111.5	69,106.4	1,876.6 -		70,983.0
2009	41,230.7	22,689.8	1,695.3	1,557.9	1,861.5	0.0	5,114.7	227.0	69,262.2	1,666.7 -		70,928.9
2010	41,120.2	24,058.4	1,620.0	1,628.6	1,908.8	0.0	5,157.4	250.3	70,586.3	1,901.3 -		72,487.6
2011	38,859.4	25,106.8	2,035.6	2,419.1	1,972.2	0.0	6,426.9	321.3	70,714.4	3,760.5 -		74,474.9
2012	38,272.0	27,238.5	2,318.7	2,640.5	2,089.1	0.0	7,048.3	359.5	72,918.3	3,858.4		76,776.7
2013	39,186.4	29,028.3	2,027.8	3,107.4	2,250.1	0.0	7,385.3	404.7	76,004.7	2,678.5		78,683.2
2014	44,442.0	28,136.2	1,861.1	3,471.3	2,065.2	0.0	7,397.6	372.6	80,348.4	1,839.3		82,187.6
2015	41,378.1	32,215.4	1,745.0	3,815.6	2,148.5	0.0	7,709.2	318.1	81,620.8	782.6		82,403.4
2016	42,226.9	33,183.7	1,773.0	4,407.5	2,201.2	0.0	8,381.8	339.7	84,132.0		235.2	83,896.8
2017	39,323.7	36,821.8	1,937.8	4,406.7	2,062.0	0.1	8,406.6	269.4	84,821.5	347.3		85,168.8
2018	30,692.5	44,390.9	1,893.9	4,196.6	2,033.4	22.4	8,146.3	386.0	83,615.7	2,684.0		86,299.7
2019	29,499.7	46,810.8	2,026.7	4,180.4	2,049.8	20.3	8,277.2	303.3	84,891.1	1,543.5		86,434.6
2020	23,972.0	47,536.5	2,041.4	6,113.5	2,012.9	39.3	10,207.1	240.2	81,955.8	3,985.4	97.9	85,843.3
2021	17,531.1	53,557.0	1,869.3	6,094.8	2,187.4	249.6	10,401.2	337.4	81,826.7	4,348.0	131.6	86,043.2
2022	10,155.0	60,821.1	1,960.2	7,345.3	2,088.5	1,158.6	12,552.6	239.1	83,767.8	4,534.2	630.5	87,671.5
2023	6,827.7	64,491.6	1,718.6	9,718.1	2,000.2	2,296.4	15,733.3	221.8	87,274.4	2,265.7	2,169.5	87,370.6

Year	Cogeneration	
	Total Cogen	Total GAS Cogen
1985		
1986		
1987		
1988		
1989		
1990		
1991		
1992		
1993		
1994		
1995		
1996		
1997		
1998		
1999		
2000	8,678.7	7,326.8
2001	12,636.9	11,066.1
2002	14,178.4	12,506.7
2003	16,879.6	15,235.2
2004	17,944.8	16,280.8
2005	17,477.0	15,804.0
2006	18,381.1	16,671.4
2007	19,540.9	17,842.0
2008	20,190.7	18,581.0
2009	21,674.9	19,964.6
2010	22,561.5	20,817.9
2011	23,123.3	21,244.8
2012	25,077.7	23,034.8
2013	27,023.4	24,770.1
2014	27,081.0	25,005.9
2015	27,719.7	25,636.9
2016	27,735.1	25,562.4
2017	29,727.5	27,656.1
2018	34,323.6	32,168.2
2019	35,302.6	33,148.6
2020	35,138.2	32,019.1
2021	35,362.4	33,178.0
2022	36,525.3	34,507.0
2023	35,840.2	33,896.3

* Others include fuel oil, waste heat

Excludes Isolated Plants

Note: All data from 2010 and earlier was collected and compiled by the ERCB and its predecessors.