

Breakdown of Electricity Purchased and Generated in the Canadian Mineral Industry—1933

	Electricity purchased for power only kw.h.	Cost of purchased power ¢	Electricity generated for own use kw.h.
Metal Mining			
Alluvial Gold Mines			11,301,002
Auriferous Quartz Mines	317,550,168	2,661,852	15,758,089
Copper-Gold-Silver Mines	68,641,303	351,407	25,757,872
Silver-Cobalt Mines	5,487,755	51,019	
Silver-Lead-Zinc Mines	39,040,970	163,861	3,396,440
Nickel-Copper Mines	43,546,440	133,473	
Miscellaneous Metal Mines	3,000	100	
Non-Ferrous Smelting and Refining	833,473,571	2,522,078	15,442,203
(See footnote)			
TOTAL	1,307,743,207	5,883,790	71,655,606
Fuels			
Coal	89,231,995	1,256,923	45,068,623
Natural Gas	10,996	222	
Petroleum	1,448,496	20,213	1,859,830
TOTAL	90,691,487	1,277,358	46,928,463
Other Non-Metal Mining			
Abrasives—natural			
Asbestos	53,024,096	623,661	
Feldspar and Quartz	286,762	8,691	438,300
Gypsum	2,725,415	47,108	781,190
Iron Oxides	71,774	2,153	
Mica			
Salt	685,840	7,916	5,968,524
Talc and Soapstone	1,441,864	24,388	
Miscellaneous	62,875	713	1,375,426
TOTAL	58,298,626	714,630	8,563,440
Structural Materials and Clay Products			
Cement	48,160,143	508,841	
Clay Products	3,749,105	65,435	59,578
Lime	5,343,821	38,956	857,799
Sand and Gravel	1,990,397	44,374	150,000
Stone	12,470,882	201,416	209,380
TOTAL	71,714,348	859,022	1,276,757
Canada	1,528,447,668	8,734,800	128,424,256
Total kw.h. used in mineral industry			2,037,203,757

NOTE: Electricity used for metallurgical purposes and not included above consisted of 380,831,823 kw.h. purchased at \$1,232,101.



Above: The new 1,000 hp. hydro-electric unit in the Pioneer Mine takes up little space.

Below: The G.E. automatic switching equipment to control the new generator in the Pioneer Mine.

To provide additional power for mining operations, Pioneer Gold Mines of B.C. Ltd., the largest gold producer of British Columbia, recently added to their power plant a 1,000 hp. hydro-electric unit. This unit consists of a 750 k.v.a., 720 r.p.m., 6600 volt, 3-phase, 60 cycle G.E. generator, driven by a 1,000 hp. Allis-Chalmers hydraulic turbine



1,000 hp. Hydro- Electric Plant at Pioneer Mine