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#### 1. Net Cash Expenditures of the Crude Petroleum and Natural Gas Industry, 1970

Total expenditures by the oil and gas industry during 1970, for exploration, development and production purposes, amounted to \$1,468,313,000, an increase of 4.5% over 1969 (\$1,405,492,000). The four Western provinces accounted for \$1,275,813,000 or 86.9% of the expenditures, with Alberta accounting for \$1,022,950,000 (69.7%), followed by Saskatchewan \$125,000,000 (8.5%), British Columbia \$121,110,000 (8.2%) and Manitoba \$6,753,000 (0.5%).

Total geological and geophysical expenditures in Canada amounted to \$176,881,000 an increase of 14.0% over 1969. These expenditures increased 55.3% to \$58,957,000 in the Yukon, Northwest Territories and Arctic Islands. Significant increases were also noted in British Columbia, Quebec and the Off Shore areas, while decreases were recorded in Alberta, Saskatchewan and Manitoba.

Exploratory and Development drilling expenditures in Canada amounted to \$266,090,000 in 1970, down 1.4% from the reported 1969 expenditures of \$269,947,000. Expenditures in Alberta were \$145,836,000; in British Columbia \$25,752,000; in Saskatchewan \$13,295,000. The largest increases were reported in Off Shore East Coast drilling, up 260.2% (to \$21,422,000) and in the Yukon, Northwest Territories and Arctic Islands, up 44.6% (to \$55,507,000).

Total expenditures in the Yukon, Northwest Territories and Arctic Islands rose from \$87,231,000 in 1969 to \$126,547,000 in 1970, reflecting the continued search for commercial quantities of oil and gas in this promising area.

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TABLE 1. Net Cash Expenditures of the Crude Petroleum and Natural Gas Industry - 1969 (Final)

	Off Shore			Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon N.W.T. and Arctic Islands	Canada
	East Coast	Hudson Bay	West Coast									
	thousands of dollars											
1. <u>Geological and Geophysical Expenditures</u>												
(a) Seismic Crew expenses ...	4,606	750	18	268	984	501	214	2,941	48,947	8,190	28,206	95,625
(b) All other geological and geophysical expenses ..	2,646	600	-	81	250	317	209	3,063	37,455	5,194	9,755	59,570
2. <u>Land and Lease acquisition and retention</u>												
(a) Non-producing lease rentals .....	453	1	-	129	143	604	1,066	4,982	40,574	8,958	2,053	58,963
(b) All other .....	1,964	740	4	830	111	385	573	7,916	132,280	23,551	3,812	172,166
(c) Producing lease and surface rentals .....	-	-	-	2	-	56	132	2,561	6,702	761	-	10,214
3. Exploratory drilling .....	5,948	5,779	4,190	17	1,084	2,478	507	10,431	89,745	14,640	32,778	167,597
4. Development drilling .....	-	-	-	-	-	1,120	515	16,203	67,605	11,314	5,593	102,350
5. <u>Other capital expenditures</u>												
(a) Tangible well and lease equipment .....	-	-	-	1	-	288	330	10,232	60,241	6,260	232	77,584
(b) Pipelines and related facilities .....	-	-	-	-	12	270	2	1,763	13,533	196	-	15,776
(c) Secondary recovery and pressure maintenance projects .....	-	-	-	31	-	16	103	3,845	15,622	820	75	20,512
(d) Natural gas processing plants .....	-	-	-	-	-	1,990	-	2,130	91,224	1,745	-	97,089
(e) All other capital expenditures .....	32	-	30	108	-	243	35	453	22,423	645	3,173	27,142
6. Field, well and pipeline operations .....	-	-	-	72	6	1,687	2,785	36,816	94,228	9,748	574	145,916
7. Natural gas plant operations	-	-	-	-	-	345	-	3,087	54,142	3,845	-	61,419
8. <u>Other operating expenditures</u>												
(a) Taxes (excluding income taxes) .....	-	-	1	-	-	260	299	2,994	12,110	543	-	16,207
(b) Royalties .....	-	-	-	4	-	432	1,973	24,578	136,291	12,797	20	176,095
(c) Interest expense .....	-	-	-	-	439	35	65	2,119	52,259	2,307	26	57,250
(d) Other .....	659	-	396	12	144	187	93	3,950	35,981	1,661	934	44,017
Total .....	16,308	7,870	4,639	1,555	3,173	11,214	8,901	140,064	1,011,362	113,175	87,231	1,405,492



TABLE 2. Net Cash Expenditures of the Crude Petroleum and Natural Gas Industry - 1970 (Preliminary)

	Off Shore			Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon N.W.T. and Arctic Islands	Canada
	East Coast	Hudson Bay	West Coast									
thousands of dollars												
1. <u>Geological and Geophysical Expenditures</u>												
(a) Seismic Crew expenses ...	6,751	1,423	3	532	2,066	57	7	1,255	39,140	9,970	42,444	103,648
(b) All other geological and geophysical expenses ..	4,077	881	31	295	826	1,242	160	1,289	42,503	5,416	16,513	73,233
2. <u>Land and Lease acquisition and retention</u>												
(a) Permit fees and acquisition costs .....	1,842	67	5	145	440	55	402	3,745	50,791	16,340	898	74,730
(b) Non-producing acreage retention costs .....	810	101	-	134	275	386	286	5,417	44,451	8,912	3,498	64,270
(c) Producing lease and surface rentals .....	-	-	-	1	71	66	194	2,339	11,367	1,276	30	15,344
3. Exploratory drilling .....	21,422	316	-	1,156	1,186	760	424	5,142	82,194	13,047	55,023	180,670
4. Development drilling .....	-	-	-	-	-	383	53	8,153	63,642	12,705	484	85,420
5. <u>Other capital expenditures</u>												
(a) Tangible well and lease equipment .....	20	-	-	8	-	173	158	11,209	60,153	10,103	276	82,100
(b) Pipelines and related facilities .....	-	-	-	-	-	1,001	26	2,847	7,771	1,016	282	12,943
(c) Secondary recovery and pressure maintenance projects .....	-	-	-	5	-	15	89	3,521	11,425	1,191	41	16,287
(d) Natural gas processing plants .....	-	-	-	-	-	9,388	-	615	165,675	7,751	-	183,429
(e) All other capital expenditures .....	12	2	-	2	-	164	10	592	11,003	312	4,115	16,212
6. Field, well and pipeline operations .....	-	-	-	69	5	1,599	2,555	42,292	121,095	12,565	1,022	181,202
7. Natural gas plant operations	-	-	-	-	-	3,077	-	2,434	65,543	3,666	-	74,720
8. <u>Other operating expenditures</u>												
(a) Taxes (excluding income taxes) .....	2	-	-	-	-	256	319	2,898	12,718	622	38	16,853
(b) Royalties .....	-	-	-	4	-	668	1,784	25,987	156,887	12,895	254	198,479
(c) Interest expense .....	7	-	-	-	12	151	54	1,612	53,825	2,023	23	57,707
(d) Other .....	1,262	-	-	29	14	203	232	3,653	22,767	1,300	1,606	31,066
Total .....	36,205	2,790	39	2,380	4,895	19,644	6,753	125,000	1,022,950	121,110	126,547	1,468,313



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2. Preliminary Electric Power Statistics, March 1971.  
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Net generation of electric energy increased 7.3% to 16,137,384 thousand kwh. in March 1971 from 17,536,118 thousand kwh. in March 1970. There were increases in net generation in all provinces, except Saskatchewan where there was a decrease of 3.9%. The largest increases occurred in Nova Scotia and Yukon Territory where they amounted to 28.6% and 21.0% respectively. Hydro generation increased 7.6% while thermal production increased 6.5% over the same period last year.

Imports increased 12.3% and exports increased 71.8% compared with March 1970. Firm energy consumption increased 6.2%

Total generation for the twelve month period ending March 31, 1971 amounted to 206,965,814 thousand kwh. compared with 205,662,648 thousand kwh. ending in February.

Seasonally adjusted net generation in March amounted to 17,995 million kwh. compared with 17,576 million kwh. in February and 17,676 million kwh. in January. Firm energy consumption amounted to 17,411 million kwh. on a seasonally adjusted basis. The comparable figures for February and January were 17,328 million kwh. and 17,474 million kwh. respectively.

Preliminary Electric Energy Statistics  
(thousand kwh)

	March		
	1969	1970	1971
Net generation - Hydro .....	12,313,054	13,197,763	14,198,317
Thermal .....	4,257,767	4,636,355	4,218,367
Total net generation .....	16,570,821	17,834,118	18,416,684
Energy imported from U.S.A. ....	480,644	223,792	251,495
Energy exported to U.S.A.:			
Firm .....	71,208	69,112	118,961
Secondary .....	362,742	296,590	509,322
Total exported to U.S.A. ....	433,950	365,702	628,283
Net energy used in Canada .....	16,617,515	17,692,208	18,760,496
Secondary energy used in Canada .....	130,257	121,697	92,030
Firm energy used in Canada .....	16,487,258	17,570,511	18,668,466

Revised figures