

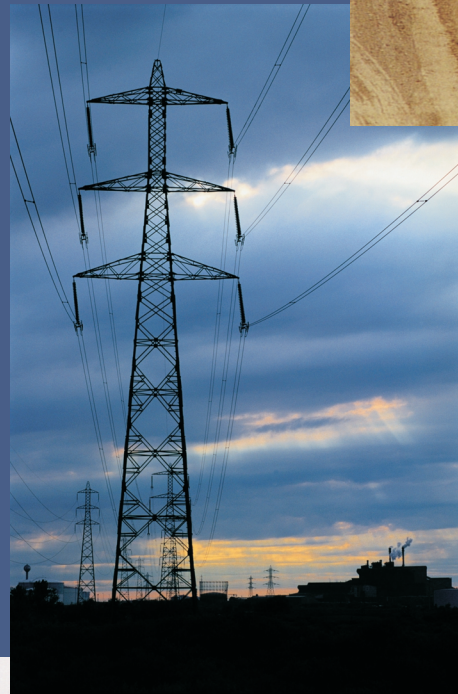


National Energy
Board

Office national
de l'énergie

Annual Report to Parliament

2000



Appendices

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A1. CRUDE OIL AND EQUIVALENT SUPPLY AND DISPOSITION (thousand cubic metres per day)

	1996	1997	1998	1999	2000 ^(e)
Supply					
Canadian Production ^(a)	317.0	331.5	347.8	334.4	345.1
Imports ^(b)	108.6	121.1	122.4	130.6	146.1
Total Supply^(d)	425.6	452.6	470.2	465.0	491.2
Disposition					
Domestic ^(b)	253.3	264.2	253.2	261.7	265.1
Exports ^(c)	178.4	193.7	213.5	199.1	221.7
Total Disposition^(d)	431.7	457.9	466.7	460.8	486.8

- a) Source: NEB
b) Source: Statistics Canada/NEB Weekly Crude Run Report
c) Source: NEB Form 306 - Crude Oil Exports
d) Total supply does not equal total disposition due to inventory changes, etc.
e) Estimates

A2. ESTIMATED ESTABLISHED RESERVES OF CRUDE OIL AND BITUMEN AT 31 DECEMBER 1999 (million cubic metres)

	Initial	Remaining
Conventional Crude Oil		
British Columbia ^(a)	118.8	26.4
Alberta ^(b)	2 521.6	301.7
Saskatchewan ^(c)	712.6	164.2
Manitoba ^(d)	37.4	3.8
Ontario ^(e)	14.0	1.9
NWT and Yukon:		
Arctic Islands & Eastern Arctic Offshore ^(f)	0.5	0.0
Mainland Territories	37.5	8.2
Nova Scotia ^(d) - Cohasset and Panuke	7.0	0.0
Newfoundland ^(d) - Hibernia & Terra Nova	205.1	195.3
Total	3 654.5	701.5
Crude Bitumen		
Surface Mineable ^{(b),(g)}	5 590.0	5 240.0
In-Situ ^{(b),(g)}	22 740.0	22 610.0
Total	28 330.0	27 850.0
Total Conventional & Bitumen	31 984.5	28 551.5

- Note: totals may not add due to rounding
- a) British Columbia Ministry of Energy & Mines and NEB common database
b) Alberta Energy & Utilities Board and NEB common database
c) Provincial estimate for 31 December 1998, NEB updated to 31 December 1999
d) Provincial Agencies and Offshore Boards
e) Canadian Association of Petroleum Producers
f) Bent Horn abandoned 1996
g) Reflects provincial changes

A3. NATURAL GAS SUPPLY AND DISPOSITION

(billion cubic metres)

	1996	1997	1998	1999	2000 ^(d)
Supply					
Marketable Gas Production ^(a)	158.7	161.1	165.1	170.3	174.5
Imports	1.4	1.5	1.1	1.4	2.2
Total Supply	160.1	162.6	166.2	171.7	176.7
Disposition					
Domestic ^(b)	67.1	67.3	64.0	66.3	69.3
Exports	80.7	82.5	88.1	95.5	99.5
Other Uses ^(c)	12.3	12.8	14.1	9.9	7.9
Total Disposition	160.1	162.6	166.2	171.7	176.7

a) Source: CAPP (all years revised)

b) Source: Statistics Canada.

c) Includes pipeline fuel and losses, reprocessing, shrinkage and fuel, and net storage inventory change.

d) Estimate

A4. ESTIMATED ESTABLISHED RESERVES OF MARKETABLE NATURAL GAS AT 31 DECEMBER 1999

(billion cubic metres)

	Initial	Remaining
British Columbia ^(a)	604.8	236.7
Alberta ^(b)	3 919.3	1 207.2
Saskatchewan ^(c)	192.4	70.3
Ontario ^(d)	44.1	12.0
NWT and Yukon	28.2	17.7
Nova Scotia - Offshore	85.0	85.0
Total	4 482.0	1 628.9

a) British Columbia Ministry of Energy & Mines and NEB common database

b) Alberta Energy & Utilities Board and NEB common database

c) Provincial estimate for 31 December 1998, NEB updated to 31 December 1999

d) Canadian Association of Petroleum Producers

A5. NATURAL GAS LIQUIDS SUPPLY AND DISPOSITION

(thousand cubic metres per day)

	1996	1997	1998	1999	2000 ^(e)
Supply					
Canadian Production ^(a)	91.2	93.5	96.3	101.2	110.3
Imports ^(b)	0.9	1.2	1.3	1.4	1.8
Total Supply^(d)	92.1	94.7	97.6	102.6	112.1
Disposition					
Domestic ^(b)	60.7	63.3	62.6	72.4	76.6
Exports ^(c)	32.4	31.0	37.6	34.0	33.7
Total Disposition^(d)	93.1	94.3	100.2	106.4	110.3

- a) Source: NEB
 b) Source: NEB Form 145
 c) Source: NEB Form 157 and 86A
 d) Total supply does not equal total disposition due to inventory changes, etc.
 e) Estimate

A6. GEOPHYSICAL ACTIVITY

(active seismic crews)

	1996	1997	1998	1999	2000
January	70	79	75	48	49
February	67	78	74	37	49
March	74	78	55	36	45
April	8	31	12	13	22
May	24	33	22	10	16
June	32	39	37	16	15
July	35	35	36	24	38
August	36	39	27	37	34
September	33	26	22	38	20
October	43	39	24	35	28
November	53	42	27	38	34
December	78	64	43	40	27

Source: Petroleum Explorer

A7. EXPLORATION AND DEVELOPMENT EXPENDITURES

(\$ million)

	1996	1997	1998	1999	2000 ^(c)
Exploration					
Conventional Areas ^(a)	4,191	5,229	4,840	3,873	5,818
Frontier Areas ^(b)	91	139	214	513	646
Total Canada	4,282	5,368	5,054	4,386	6,464
Development					
Conventional Areas ^(a)	6,889	10,710	8,076	6,842	10,328
Frontier Areas ^(b)	897	900	1,865	2,347	2,270
Total Canada	7,786	11,610	9,941	9,189	12,598
Total Expenditures	12,068	16,978	14,995	13,575	19,062

Source: CAPP

(a) Alberta, British Columbia, Saskatchewan, Manitoba, Ontario

(b) Northwest Territories, Yukon Territory and Offshore

(c) Estimate

A8. SALES OF EXPLORATION RIGHTS IN WESTERN CANADA

	1996	1997	1998	1999	2000
Area (1000 ha)					
Alberta	4 680	5 150	3 015	2 996	3 831
British Columbia	565	736	483	731	693
Saskatchewan	1 047	944	509	398	283
Manitoba	12	50	4	4	5
Total	6 304	6 880	4 011	4 129	4 812
Expenditures (million \$)					
Alberta	764	1,153	597	593	1,142
British Columbia	125	216	96	176	248
Saskatchewan	122	130	61	46	48
Manitoba	2	6	0	0	1
Total	1,013	1,505	754	815	1,439

Source: Daily Oil Bulletin

A9. SALES OF EXPLORATION RIGHTS IN FRONTIER REGIONS

	1996	1997	1998	1999	2000
Nova Scotia Offshore					
Licences	1	1	8	21	19
Expenditures (million \$)	86	2	94	597	253
Area (1000 ha)	74	13	1 134	2 402	2 499
Newfoundland Offshore					
Licences	8	7	10	5	10
Expenditures (million \$)	126	284	175	193	89
Area (1000 ha)	910	619	630	818	1 605
Beaufort Sea and Mackenzie Delta					
Licences	0	0	0	4	9
Expenditures (million \$)	0	0	0	183	466
Area (1000 ha)	0	0	0	293	709
Central Mackenzie Valley					
Licences	7	5	0	0	6
Expenditures (million \$)	27	9	0	0	58
Area (1000 ha)	444	375	0	0	764
TOTAL					
Licences	16	13	18	30	44
Expenditures (million \$)	239	295	270	973	866
Area (1000 ha)	1 427	1 007	1 764	3 514	5 577

Source: Indian and Northern Affairs Canada

A10. ELECTRICITY GENERATION AND DISPOSITION (terawatt hours)

	1996	1997	1998	1999	2000 ^(b)
Supply					
Total Generation	547.9	550.0	542.9	557.5	575.5
Imports ^(a)	6.2	9.4	15.8	14.6	14.3
Total Supply	554.1	559.4	558.7	572.1	589.8
Disposition					
Demand	510.1	514.2	516.1	529.2	539.8
Exports ^(a)	42.2	43.0	39.5	42.9	50.0
Total Disposition	555.9	559.4	556.8	572.1	589.8

Note: Total disposition includes sales to ultimate customers and producer consumption.

(a) Excludes exchanges between Canada and the United States

(b) Estimate

B1. CERTIFICATES ISSUED DURING 2000 APPROVING OIL PIPELINE FACILITIES INCLUDING PIPELINE CONSTRUCTION EXCEEDING 40 KILOMETRES IN LENGTH

Applicant	Order Number	Date Issued	Description	Estimated Cost
Pacific & Western, on behalf of Pipestone Pipelines Ltd.	OC-46	02/10/2000	(OHW-1-99) operation of the Pipestone Pipeline	10.4 million

B2. ORDERS ISSUED DURING 2000 APPROVING OIL PIPELINE FACILITIES INCLUDING PIPELINE CONSTRUCTION EXCEEDING 40 KILOMETRES IN LENGTH

Applicant	Order Number	Date Issued	Description	Estimated Cost
Trans Mountain Pipe Line Company Ltd.	XO-T4-1-2000	01/11/2000	Routine capital projects	5,700,000
Enbridge Pipelines Inc.	XO-E101-2-2000	01/21/2000	Year 2000 Capital Projects (24 Projects)	15,240,500
Enbridge Pipelines Inc.	XO-E102-3-2000	01/26/2000	Installation of slope instrumentation	47,800
Enbridge Pipelines Inc.	XO-E101-4-2000	02/28/2000	Ninth and tenth supplementary applications	2,527,300
Trans-Northern Pipelines Inc.	XO-T002-5-2000	01/25/2000	Pipe replacements	150,000
Trans Mountain Pipe Line Company Ltd.	XO-T004-6-2000	02/10/2000	Pipe cut-outs and replacements - Jasper National Park	260,000
Enbridge Pipelines Inc.	XO-E101-7-2000	03/03/2000	Joarcam Pipeline Ltd. connection to Enbridge's sour pools at the Edmonton Terminal Station	94,400
Amoco Canada Petroleum Company on behalf of Dome NGL Pipeline Limited	XO-D007-8-2000	03/15/2000	Modifications to eastern delivery system launching trap at the Windsor terminal	25,000
Trans Mountain Pipe Line Company Ltd.	XO-T004-9-2000	05/01/2000	Exemption from sec. 47 of NEB Act for Order XO-T4-9-99	0
Trans-Northern Pipelines Inc.	XO-T002-10-2000	05/19/2000	Pipeline replacement and lowering at Lot. P.236, St. Vincent de Paul, Laval, PQ	300,000
Trans-Northern Pipelines Inc.	XO-T002-11-2000	06/02/2000	Pipe relocation & abandonment-City of Montreal-Nord, Quebec	1,200,000
Enbridge Pipelines Inc.	XO-E101-12-2000	06/26/2000	Valve removal and pipe replacement on Line 4, MP 330.9	359,000
Amoco Canada Petroleum Company	XO-A010-13-2000	07/18/2000	Installation of a peroxide injection system on brine return system at Windsor Terminal	127,000
Montreal Pipe Line Limited	XO-M3-14-2000	08/03/2000	Installation of isolation valve - Boucherville, Quebec	245,000
Montreal Pipe Line Limited	XO-M003-15-2000	010/06/2000	Construction of fire water connection and associated valves at North Tank Field	75,000
Trans Mountain Pipe Line Company Ltd.	XO-T4-16-2000	02/21/2000	Kamloops containment facilities	3,600,000
Enbridge Pipelines (Westspur) Inc.	XO-E103-17-2000	08/03/2000	Scraper trap modifications on the SM-09 and SM-10 crude oil pipelines	80,000
Montreal Pipe Line Limited	XO-M003-18-2000	08/18/2000	Reactivation and upgrade of pumping facilities on MPL's 457 mm (18-inch) Trunk Line at Saint-Césaire Pump Station; and upgrades to pumping facilities on MPL's 457 mm (18-inch) Trunk Line at Highwater Pump Station	2,450,000
Trans-Northern Pipelines Inc.	XO-T002-19-2000	08/23/2000	Pipeline replacements for the Townships of Murray, Brighton, Hamilton and Hope in the Province of Ontario.	930,000
Enbridge Pipelines Inc.	XO-E101-20-2000	08/31/2000	SCADA hardware, consoles and leasehold improvements at Edmonton Control Centre	3,620,000
Enbridge Pipelines (Westspur) Inc.	XO-E103-21-2000	09/01/2000	Line repairs (Proj. Ref. 00079MP, 00084MP, 00086MP)	122,000
Enbridge Pipelines (Westspur) Inc.	XO-E103-22-2000	09/08/2000	Projects CON6, CON15, CON19, CON42, CON63 Construction for 2000	487,330
Trans-Northern Pipelines Inc.	XO-T002-23-2000	10/05/2000	Replacement of a sump tank	50,000
Enbridge Pipelines Inc.	XO-E101-24-2000	10/15/2000	Installation of refined product facilities	490,000

B2. ORDERS ISSUED DURING 2000 APPROVING OIL PIPELINE FACILITIES INCLUDING PIPELINE CONSTRUCTION EXCEEDING 40 KILOMETRES IN LENGTH

Applicant	Order Number	Date Issued	Description	Estimated Cost
Enbridge Pipelines Inc.	XO-E101-25-2000	10/17/2000	Installation of a drainage culvert and culvert valve at Edmonton Terminal	27,900
Trans Mountain Pipe Line Company Ltd.	XO-T004-26-2000	11/21/2000	Approval of 20 capital projects for year 2001	3,300,000
Enbridge Pipeline (Westspur) Inc	XO-E103-28-2000	10/30/2000	Upgrade of existing SCADA Hardware at Estevan Control centre	92,000
Trans Mountain Pipe Line Company Ltd.	XO-T004-29-2000	11/16/2000	Cutout and replacement of defects	240,000
Trans Mountain Pipe Line Company Ltd.	XO-T004-30-2000	11/17/2000	Piping modifications at Edmonton Terminal	45,000

B3. EXPORTS OF CANADIAN CRUDE OIL AND EQUIVALENT 1999 AND 2000

(cubic metres)

Consignee	1999		2000 ^{a)}	
	Total	Daily Average	Total	Daily Average
Arco Chemicals	147 135	403	19 279	53
Astra Oil	35 539	97	0	0
BP Amoco	10 667 758	29 227	10 325 638	28 212
Chevron U.S.A.	566 707	1 553	672 803	1 838
Coastal States Trading Inc.	0	0	204 075	558
Conoco Inc.	3 719 204	10 190	4 693 289	12 823
Diamond Shamrock Refining Co. L.P.	39 349	108	0	0
Equiva Trading International	1 764 782	4 835	1 682 660	4 597
Exxon Company, U.S.A.	1 449 111	3 970	1 409 662	3 852
Farmers Union Central Exchange, Incorp.	2 163 673	5 928	2 174 431	5 941
Flying J. Inc.	378 914	1 038	293 729	803
Frontier Oil & Refining Company	939 951	2 575	1 151 869	3 147
Inland Refining	9 231	25	0	0
Koch Refining Company	10 347 669	28 350	13 650 159	37 296
Lantern Petroleum	10 500	29	0	0
Little America Refining Co.	59 938	164	0	0
Marathon Ashland Petroleum LLC	5 418 126	14 844	5 607 128	15 320
Mobil Oil Corporation	9 941 957	27 238	10 984 008	30 011
Montana Refining Company	314 942	863	302 750	827
Murphy Oil USA Inc.	1 787 525	4 897	1 704 133	4 656
PDV Midwest Refining	5 608 534	15 366	7 603 201	20 774
Phillips Petroleum Company	26 664	73	103 346	282
Premcor Refining (formerly Clark Refining)	1 228 435	3 366	1 257 628	3 436
Shell Refining and Marketing Company	319 609	876	97 217	266
Sinclair Oil Corp.	1 108 253	3 036	680 517	1 859
Sun Refining and Marketing Company	5 464 346	14 971	5 420 884	14 811
Tesoro Refining	2 387 482	6 541	2 298 039	6 279
Tosco Refining	2 670 065	7 315	4 706 625	12 860
Total Petroleum, Inc.	235 217	644	0	0
U. S. Oil & Refining Co.	22 551	62	0	0
Union Oil Company of California	17 215	47	0	0
United Refining Company	3 707 550	10 158	3 728 583	10 187
Valero Marketing & Supply	82 538	226	95 282	260
Other	42 599	117	286 427	783
Total	72 683 068	199 131	81 153 360	221 730

a) Estimates

B4. EXPORTS OF CANADIAN CRUDE OIL AND EQUIVALENT 1996 TO 2000

(cubic metres per day)

	1996	1997	1998	1999	2000 ^(a)
Light Crude Oil and Equivalent	86 587	80 761	93 225	91 793	94 855
Heavy Crude Oil	91 848	112 914	118 776	107 338	126 875
Total	178 436	193 675	213 461	199 131	221 730

a) Estimates

B5. EXPORTS OF PETROLEUM PRODUCTS^(a) BY MONTH - 2000

(cubic metres)

Month	Motor Gasoline	Middle Distillates	Heavy Fuel Oil	Aviation Turbine Fuel	Partially Processed Oil	Total
January	468 503	599 784	61 475	23 850	11 568	1 165 181
February	523 589	551 268	108 551	423	69 578	1 253 408
March	512 530	547 096	141 298	15 267	52 542	1 268 733
April	508 666	501 925	118 454	16 017	4 940	1 150 003
May	415 445	474 877	91 230	2 646	11 163	995 361
June	583 010	433 485	139 347	4 625	32 227	1 192 695
July	493 439	479 142	153 016	20 623	09 511	1 155 732
August	447 831	533 294	149 635	38 216	26 342	1 195 318
September	489 887	536 040	160 806	29 550	3 635	1 219 918
October	308 724	442 431	116 231	4 676	0	872 063
November ^(b)	573 030	437 038	146 503	23 262	0	1 179 834
December ^(b)	748 209	736 572	151 166	15 845	0	1 651 791
Total	6 072 865	6 272 951	1 537 713	195 001	221 505	14 300 035

a) Excludes propane, butane, lubricants, greases, asphalt, petrochemicals, etc.

b) Estimates

B6. EXPORTS OF PETROLEUM PRODUCTS BY COMPANY - 1999 AND 2000 (cubic metres)

Exporter	1999	2000 ^(a)
Chevron Canada Limited	189 966	212 538
Consumers Co-operative Refineries Ltd.	40 068	43 943
Equiva Trading International	7 945	9 500
Farmers Union Central Exchange, Incorp.	51 650	52 952
Gale's Gas Bars Limited	117	386
GRA HAM Energy Ltd.	165	0
Griffith Oil Co.	33 592	58 931
Husky Oil Marketing Ltd.	61 370	62 997
Imperial Oil Limited	996 459	1 313 429
Irving Oil Limited	6 832 895	5 963 475
Kildair Service Ltee	130 839	43 523
MacEwen Petroleum Inc.	45 208	48 016
MX Petroleum Corp.	114 061	117 021
Neste Petroleum (Canada) Inc.	1 356	1 371
North 60 Petro Ltd.	19 088	19 990
North Atlantic Refining Limited	4 611 653	4 437 532
Northern Transportation Co. Ltd.	752	0
Novacor Chemicals (Canada) Ltd.	160 338	109 482
Olco Oil	85 895	174 731
Petro-Canada Products	267 918	343 647
Petroles Norcan Inc.	2 324	481
Shell Canada Products Limited	386 537	443 634
Suncor Energy Marketing Inc.	161 283	179 508
Sunoco Inc.	35 995	47 472
Ultramar Canada Inc.	684 558	615 475
Universal Terminals Ltd. ^(b)	39 578	0
Total	14 961 610	14 300 035

(a) Estimates

(b) Universal Terminals Ltd. Was sold to Ultramar Canada Inc. in 2000

C1. CERTIFICATES ISSUED DURING 2000 APPROVING THE CONSTRUCTION OF NEW GAS PIPELINE FACILITIES EXCEEDING 40 KILOMETRES IN LENGTH

Applicant	Certificate Number	Date Issued	Description	Estimated Cost
AEC Suffield	GC-103	08/22/2000	(GH-2-2000)North Suffield Pipeline	22.3 million

C2. ORDERS ISSUED DURING 2000 APPROVING GAS PIPELINE CONSTRUCTION NOT EXCEEDING 40 KILOMETRES IN LENGTH

Applicant	Order Number	Date Issued	Description	Estimated Cost
Suprex Energy Corporation	XG-S065-1-2000	01/20/2000	Construction of meter station and pipeline in Coumts , Alberta	100,000
Consumers' Gas (Canada) Ltd.	XG-C283-2-2000	01/18/2000	New sales tap in the City of Vaughan Ontario	10,000
TransCanada Pipe Lines Limited	XG-T001-3-2000	01/13/2000	Installation of a moisture analyzer at the Nanticoke Sales Meter Station, Ontario	73,000
TransCanada Pipe Lines Limited	XG-T001-4-2000	01/21/2000	Construction of additional office facilities at Compressor Station 130 in Maple, Ontario	207,000
Foothills Pipe Lines Ltd.	XG-F6-5-2000	01/20/2000	Installation of a clamp for a vibrating pipe spool at Station 392	11,000
Northstar Energy Corporation	XG-N150-6-2000	02/14/2000	Construction of a new sweet gas pipeline	100,000
TransCanada Pipe Lines Limited	XG-T001-7-2000	01/27/2000	Replacement of 200 m of pipe between MLV 115 and MLV 116 near the City of North Bay, Ontario	858,000
Amoco Canada Petroleum Company	XG-A010-8-2000	01/24/2000	Replacement of heating system in flare knockout drum	145,000
Shiha Energy Transmission Ltd.	XG-S056-9-2000	01/26/2000	Construction of a new natural gas pipeline	5,658,200
TransCanada Pipe Lines Limited	XG-T001-10-2000	02/03/2000	Modifications at compressor stations	899,000
Westcoast Energy Inc.	XG-W5-11-2000	02/03/2000	Fort Nelson Field Services Area - Projects Q0110, Q0112 and Q0138	910,000
Westcoast Energy Inc.	XG-W5-12-2000	02/17/2000	Fort Nelson and Grizzly Valley Field Services Areas	760,000
TransCanada Pipelines Ltd, B.C. System	XG-A002-13-2000	02/10/2000	Installation of compressor equipment	607,000
Westcoast Energy Inc.	XG-W005-14-2000	02/11/2000	Reactivation of the Junior Pipeline permitting Westcoast to attach 18m of pipe to facilitate AEC's connection	3,300,000
TransCanada Pipelines Ltd, B.C. System	XG-A002-15-2000	02/25/2000	Upgrade of valve actuator power gas supplies	50,000
Foothills Pipe Lines Ltd.	XG-F7-16-2000	03/08/2000	Expansion of Foothills' decompression/recompression facilities	1,700,000
Westcoast Energy Inc.	XG-W5-17-2000	03/01/2000	Construction of 5 facilites projects	237,000
Westcoast Energy Inc.	XG-W5-18-2000	03/21/2000	Installation of rundown tanks and pump at Sikanni gas plant	80,000
Shiha Energy Transmission Ltd.	XG-S56-19-2000	02/23/2000	Tie-in facilities on the Shiha pipeline	100,000
Canadian Hunter Exploration Ltd.	XG-C87-20-2000	02/28/2000	Construction of the Hiding Creek a-41-A Pipeline Tie-in	384,377
Westcoast Energy Inc.	XG-W5-21-2000	02/25/2000	Installation of inhibitor tanks and pigging facilites	570,000
TransCanada Pipe Lines Limited	XG-T001-22-2000	03/02/2000	Second phase of soil remediation at Compressor Station 99	1,684,000
Cochin Pipe Lines Ltd.	XG-C018-23-2000	03/07/2000	Installation of a lateral connection at Corunna	48,000
Many Islands Pipe Lines (Canada) Limited	XG-M029-24-2000	09/28/2000	Construction of a 37.3 km 168.3 mm O.D. (4.5 mmcf/d) natural gas pipeline from Manitoba to Sask.	3,307,080
Westcoast Energy Inc.	XG-W005-25-2000	03/15/2000	Approval of 7 projects	216,000
Alliance Pipeline Ltd.	XG-A159-26-2000	03/16/2000	Installation of purge and line pack facilities at Alameda compression station	212,000
Foothills Pipe Lines Ltd.	XG-F006-27-2000	03/17/2000	Five minor capital projects for the year 2000	744,000

C2. ORDERS ISSUED DURING 2000 APPROVING GAS PIPELINE CONSTRUCTION NOT EXCEEDING 40 KILOMETRES IN LENGTH

Applicant	Order Number	Date Issued	Description	Estimated Cost
Alliance Pipeline Ltd.	XG-A159-28-2000	03/21/2000	Exemption from section 22 of the NEB Act for certain facilities approved in Certificate GC-98	0
Westcoast Energy Inc.	XG-W005-29-2000	03/27/2000	Approval of 3 projects in Westcoast Application No. 7 for the Year 2000	216,000
Foothills Pipe Lines Ltd.	XG-F006-30-2000	04/11/2000	Underground tank replacement	18,000
Westcoast Energy Inc.	XG-W005-31-2000	04/11/2000	Approval of Westcoast Application No. 10	980,000
Westcoast Energy Inc.	XG-W005-32-2000	04/07/2000	Construction of Alliance/Aitken Creek interconnection and upgrade to Boundary Lake Pipeline	2,352,000
Foothills Pipe Lines Ltd.	XG-F006-33-2000	04/11/2000	Pipeline excavations and recoating in Zone 7	100,000
Beau Canada Exploration Ltd.	XG-B032-34-2000	04/14/2000	Modifications to upstream and downstream connections on the Chinchaga pipeline	76,000
Westcoast Energy Inc.	XG-W005-35-2000	04/12/2000	Various area projects	882,000
Alliance Pipeline Ltd.	XG-A159-36-2000	04/17/2000	Exemption from section 22 of the NEB Act for certain facilities approved in Certificate GC-98	0
TransCanada Pipe Lines Limited	XG-T001-37-2000	04/25/2000	Approval of year 2000 summer maintenance projects	42,930,700
Westcoast Energy Inc.	XG-W005-38-2000	04/27/2000	Construction of a meter station and related facilities (Project No. U0193)	1,704,000
TransCanada Pipelines Ltd, B.C. System	XG-A002-39-2000	05/18/2000	Construction of interconnection facilities for East Kootenay Exchange expansion and lateral looping project	2,088,000
Foothills Pipe Lines Ltd.	XG-F011-40-2000	05/18/2000	Construction of an access road, East Kootenay Exchange expansion and lateral looping project	190,000
Westcoast Energy Inc.	XG-W5-41-2000	05/03/2000	Relocation of the pigging barrel from KP 0.0 to KP 2.01 on the Cache Creek Pipeline	115,000
Alliance Pipeline Ltd.	XG-A159-42-2000	05/18/2000	Additional meter runs at Aitken Creek (BC02) Meter Station	1,829,000
Westcoast Energy Inc.	XG-W005-43-2000	05/16/2000	Application no. 8 - Taylor Straddle Plant outlet meter station	1,300,000
TransCanada Pipe Lines Limited	XG-T001-44-2000	05/18/2000	Pipe replacement projects between MLVs 132-133	4,238,000
Westcoast Energy Inc.	XG-W005-45-2000	05/25/2000	Amine spill prevention at the McMahon Gas Plant.	100,000
Westcoast Energy Inc.	XG-W005-46-2000	05/30/2000	Project U0255- Kingsvale/Southern Crossing Meter Station MS-31	570,000
Westcoast Energy Inc.	XG-W005-47-2000	06/21/2000	Westcoast Application No. 13	8.9 million
Maritimes & Northeast Pipeline Management Ltd.	XG-M124-48-2000	06/07/2000	Construction of 380 metres of 114.3 mm OD pipeline construction (an extension of the Lake Utopia proposed facilities of the Saint John Lateral)	94,400
TransCanada Pipe Lines Limited	XG-T001-49-2000	06/12/2000	Modifications to Lennox sales meter station	246,000
TransCanada Pipe Lines Limited	XG-T001-50-2000	06/28/2000	Authorization of fuel gas heat exchangers	885,600
Westcoast Energy Inc.	XG-W005-51-2000	08/18/2000	Replacement of a section of 16-inch Oak Pipeline and installation of Quesnel River slide monitoring	534,000
Westcoast Energy Inc.	XG-W005-52-2000	08/22/2000	Construction of Patry Lake NGL Recovery Plant	8,000,000
Westcoast Energy Inc.	XG-W005-53-2000	07/18/2000	Project Q0110 new cathodic protection	27,000
Foothills Pipe Lines Ltd.	XG-F006-54-2000	07/20/2000	Installation of 3 temporary sales taps	162,000
Westcoast Energy Inc.	XG-W005-55-2000	08/08/2000	Project U0277.T01- Upper Coldwater River Rock Revetment	75,000
Westcoast Energy Inc.	XG-W005-56-2000	07/28/2000	Application No. 18 Project T0136-Burlington/Grizzly Water Analyzer Station, AS-33	290,000
Petroleum Transmission Company	XG-P015-57-2000	08/03/2000	Replacement of pipe sections at KMP 724 and KMP 770.	127,000
TransCanada Pipe Lines Limited	XG-T001-58-2000	08/03/2000	Year 2000 corrosion remedial construction program	13,965,800
Maritimes & Northeast Pipeline Management Ltd.	XG-M124-59-2000	08/08/2000	Exemption from Order MO-08-2000 in respect of glycol piping systems located in meter stations situated on the Halifax and St. John Laterals	0
TransCanada Pipe Lines Limited	XG-T001-60-2000	08/08/2000	Kicker piping modification at MLV 58	20,000

C2. ORDERS ISSUED DURING 2000 APPROVING GAS PIPELINE CONSTRUCTION NOT EXCEEDING 40 KILOMETRES IN LENGTH

Applicant	Order Number	Date Issued	Description	Estimated Cost
Westcoast Energy Inc.	XG-W005-61-2000	cancelled		
Champion Pipeline Corporation Ltd.	XG-C017-62-2000	08/16/2000	Pipeline repair & maintenance program	100,000
Westcoast Energy Inc.	XG-W005-63-2000	08/18/2000	Project U0267 - Installation of valves, pulsation tubes and recycle lines at compressor station 7	280,000
Westcoast Energy Inc.	XG-W005-64-2000	08/23/2000	Project U0282 -Installation of 3 slope indicators	48,000
Alliance Pipeline Ltd.	XG-A159-65-2000	09/01/2000	BC01 Highway - WGS1 Meter Station	1,300,000
Trans Mountain Pipe Line Company Ltd.	XG-T004-66-2000	09/06/2000	Approval of deactivation	0
Maritimes & Northeast Pipeline Management Ltd.	XG-M124-67-2000	09/08/2000	Construction of the Moncton Lateral and Custody Transfer Station	5.76 million
Westcoast Energy Inc.	XG-W005-68-2000	09/11/2000	Exemption from Order MO-08-2000 re Patry Lake natural gas liquids recovery plant	0
Maritimes & Northeast Pipeline Management Ltd.	XG-M124-69-2000	09/15/2000	Construction of St. George Lateral and custody transfer facilities	1.82 million
Maritimes & Northeast Pipeline Management Ltd.	XG-M124-70-2000	09/28/2000	Construction of Fredericton custody transfer station facilities	1.64 million
Alliance Pipeline Ltd.	XG-A159-71-2000	10/31/2000	Construction & Operation of AB44 (Edson-Talisman) meter station - additional meter run	1.03 million
TransCanada Pipe Lines Limited	XG-T001-72-2000	10/16/2000	Battery replacement at station 1206	20,000
Westcoast Energy Inc.	XG-W005-73-2000	10/24/2000	Security upgrade at 13 valve sites	250,000
Maritimes & Northeast Pipeline Management Ltd.	XG-M124-74-2000	10/25/2000	Construction of Saint John Custody Transfer Facility	2,980,000
TransCanada Pipe Lines Limited and TransQuebec & Maritimes Pipeline Inc.	XG-T028-75-2000	10/26/2000	Exemption from sec 30 of the NEB Actfor Order XG-T1-21-98	0
Many Islands Pipe Lines (Canada) Limited	XG-M029-76-2000	11/02/2000	Construction of pipeline and associated facilities	129,600
Maritimes & Northeast Pipeline Management Ltd.	XG-M124-77-2000	11/30/2000	Ammendment of Order MO-8-2000	0
Alta Gas Services Inc.	XG-A169-78-2000	12/05/2000	Construction of two tie-in facilities on the Alsask gathering system	14,000
Westcoast Energy Inc.	XG-W5-79-2000	12/14/2000	Upgrade of compressor wheels at Compressor Station N2	500,000
Westcoast Energy Inc.	XG-W005-80-2000	12/19/2000	Upgrade to mainline transmission system at Quesnel, B.C.	4,250
Ricks Nova Scotia Co.	XG-R029-81-2000	12/20/2000	Construction of new interprovincial gas pipeline	3,000,000
All Regulated Companies	XG/XO-100-2000	09/21/2000	NEB Streamlining Order	N/A
N/A	Not Applicable			

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes		Term (10 ⁶ m ³)
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	
Abitibi-Consolidated Corporation	GOL-2-98 ^(a)	Sprague, Man.	03/01/1998	10/31/2002	N/S	N/S	N/S
AG-Energy L.P.	GL-182	Iroquois, Ont.	11/01/1993	10/31/2008	467.0	170.6	2 587.0
			11/01/2008	12/31/2008	467.0	28.5	
Alberta Northeast Gas, Limited and AEC Oil and Gas Company	GL-105	Iroquois, Ont.	12/01/1991	10/31/1992	399.0	146.4	2 714.0
			11/01/1992	10/31/2006	533.0	194.6	
			11/01/2006	03/31/2007	533.0	80.5	
Alberta Northeast Gas, Limited and ATCOR Ltd.	GL-104	Iroquois, Ont.	12/01/1991	10/31/1992	790.0	289.9	5 428.0
			11/01/1992	10/31/2006	1 057.0	386.0	
			11/01/2006	03/31/2007	1 057.0	159.7	
Alberta Northeast Gas, Limited and ProGas Limited	GL-103	Iroquois, Ont.	12/01/1991	10/31/1992	1 399.0	513.4	10 236.0
			11/01/1992	10/31/2006	1 870.0	683.0	
			11/01/2006	03/31/2007	1 870.0	282.5	
Alberta Northeast Gas, Limited and TransCanada Pipelines Limited	GL-102	Iroquois & Niagara Falls, Ont. combined maximum	11/01/1991	10/31/1992	5 830.3	2 139.1	42 646.0
			11/01/1992	10/31/2006	7 790.3	2 845.3	
			11/01/2006	02/28/2007	7 790.3	935.4	
		Maximum permitted at Iroquois, Ont. as part of combined Iroquois/ Niagara Falls volume	11/01/1991	10/31/1992	5 547.0	2 035.7	
			11/01/1992	10/31/2006	7 507.0	2 741.9	
			11/01/2006	02/28/2007	7 507.0	901.4	
Maximum permitted at Niagara Falls, Ont. as part of combined Iroquois/ Niagara Falls volume	11/01/1991	10/31/2006	283.3	103.4			
	11/01/2006	02/28/2007	283.3	33.9			
Amoco Canada Petroleum Company Ltd.	GL-112	Huntingdon, B.C.	07/24/1989	10/31/1989	704.0	70.4	3 856.0
			11/01/1989	10/31/2004	704.0	257.0	
Amoco Canada Resources Limited and Consolidated Edison Company	GL-176	Emerson, Man.	11/01/1992	10/31/2002	424.9	155.1	1 551.0
			11/01/1992	10/31/2005	873.0	160.8	
Amoco Canada Resources Limited and Consolidated Edison Company	GL-127	Niagara Falls, Ont.	04/30/1992	10/31/1992	873.0	160.8	4 778.0
			11/01/1992	10/31/2005	873.0	319.0	
Anadarko Canada Corporation (formerly Union Pacific Resources)	GL-116	Emerson, Man.	05/03/1990	10/31/1990	184.1	33.5	1 034.0
			11/01/1990	10/31/1994	184.1	67.2	
			11/01/1994	10/31/2001	283.3	104.8	
Androscooggin Energy LLC	GL-283	Cornwall, Ont.	11/01/1999	10/31/2009	1 242.0	453.4	4 534.0
		East Hereford, Quebec	11/01/1999	10/31/2009	1 242.0	453.4	
		Niagara Falls, Ont.	11/01/1999	10/31/2009	1 242.0	453.4	
Bearpaw Processing Company (Canada) Ltd.	GO-59-96	North Portal, SK	03/26/1999	03/01/2009	N/S	N/S	N/S
Brooklyn Navy Yard Cogen Partners, L.P.	GL-232	Iroquois, Ont.	10/01/1996	09/30/2011	750.0	274.0	5 480.0
Burlington Resources Canada Energy Ltd.	GL-118	Emerson, Man.	04/01/2000	10/31/2004	424.9	155.1	2 248.9
	GL-205	Kingsgate, B.C.	04/01/2000	09/30/2003	445.1	148.8	869.5
Canadian Hunter Marketing Ltd.	GL-107	Iroquois & Niagara Falls, Ont.	11/01/1990	10/31/2010	845.0	254.0	3 381.0
Canadian Occidental Petroleum Ltd.	GL-177	Emerson, Man.	11/01/1992	10/31/2002	212.5	77.5	775.0
CanWest Gas Supply Inc.	GL-189	Huntingdon, B.C.	01/28/1993	10/31/1993	2 606	722.4	11 415.0
			11/01/1993	11/01/2003	2 606	952.0	
Chevron Canada Resources Limited	GL-218	Huntingdon, B.C.	11/01/1993	10/31/2008	273.2	100.0	1 495.0
			09/01/1997	08/30/2012	585.8	214.4	

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes			
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	Term (10 ⁶ m ³)	
Chinook Pipeline Company	GOL-4-00 ^(a)	Emerson, Man.	11/03/2000	11/02/2010	N/S	N/S	N/S	
		Monchy, SK	11/03/2000	11/02/2010	N/S	N/S	N/S	
		Niagara Falls, Ont.	11/03/2000	11/02/2010	N/S	N/S	N/S	
Coastal Gas Marketing Company	GL-259	Chippawa, Ont.	11/01/1997	10/31/2007	1 367.5	500.0	5 000.0	
	GL-260	Emerson, Man.	11/01/1997	10/31/2007	199.1	73.0	730.0	
	GL-261	Emerson, Man.	11/01/1997	10/31/2007	313.5	114.4	1 144.0	
	GL-267	Iroquois, Ont.	11/01/1997	10/31/2007	396.6	145.0	1 450.0	
	GL-274	Emerson, Man.	11/01/1998	10/31/2008	864 000.0	316.0	3 160.0	
	GL-275	St. Clair, Ont.	11/01/1998	10/31/2008	1400.0	511.0	5 110.0	
CoEnergy Trading Company	GL-276	East Hereford, Que.	03/10/1999	03/09/2009	2 266.2	827.2	8 272.0	
		Emerson, Man combined maximum				2 266.2	827.2	
	GOL-5-98 ^(a)	Emerson, Man.	11/01/1998	11/31/2008	N/S	N/S	N/S	
Cornerstone Gas Marketing	GOL-3-97 ^(a)	Emerson, Man.	11/01/1997	11/31/2008	N/S	N/S	N/S	
CoWest Energy	GOL-1-97 ^(b)	St. Clair, Niagara, Chippawa, Blue Water, Windsor, Ont. & Emerson, Sask.	02/04/1997	02/03/2022	N/S	N/S	N/S	
		St. Clair, Niagara, Chippawa, Blue Water, Windsor, Ont. & Emerson, Man.	02/04/1997	02/03/2022	N/S	N/S	N/S	
Crestar Energy Marketing Corporation	GL-108	Emerson, Man.	11/01/1993	10/31/2001	422.5	154.0	1 504.0	
	GL-257	Monchy, Sask.	11/01/1996	10/31/2001	179.8	65.6	328.1	
Dartmouth Power Associates Limited Partnership	GL-164	Iroquois, Ont.	11/01/1992	10/31/2007	400.9	146.4	2 196.0	
Direct Energy Marketing Limited	GL-188	Highwater & East Hereford, Que.	10/29/1992	10/31/1992	171.0	0.5	936.2	
			11/01/1992	10/31/2006	171.0	62.4		
Duke Energy Marketing Canada Ltd.	GL-147	Huntingdon, B.C.	01/24/1991	10/31/1991	272.9	76.6	1 842.9	
			11/01/1991	10/31/1992	272.9	99.6		
			11/01/1992	10/31/2003	409.4	149.4		
ENCO Gas, Ltd.	GL-269 GL-203	Niagara Falls, Ont. Huntingdon, B.C.	11/01/1997	10/31/2007	246.5	90.0	899.7	
			08/01/1993	10/31/1993	155.1	7.2	3 258.0	
			11/01/1993	10/31/1994	429.1	156.6		
			11/01/1994	10/31/2008	601.3	219.5		
Encogen Northwest, L.P. Engage Energy Canada, L.P. as agent for Westcoast Gas Services Inc.	GL-190 GL-166 GL-183 GL-225 GL-226 GL-227 GL-267 GL-282	Huntingdon, B.C. Monchy, Sask. Huntingdon, B.C. Huntingdon & Kingsgate, B.C. Huntingdon & Kingsgate, B.C. Huntingdon & Kingsgate, B.C. Iroquois, Ont. Emerson, Man.	11/01/1993	10/31/2008	271.6	99.1	1 441.3	
			04/30/1992	10/31/1992	2 820.0	527.6	10 300.0	
			11/01/1992	10/31/2001	2 820.0	1 030.0		
			11/01/1992	10/31/2002	273.9	100.0	1 000.3	
			12/15/1993	10/31/1994	2 581.5	533.2	13 691.1	
			11/01/1994	10/31/2004	2 581.5	1 040.8		
			12/15/1993	10/31/1994	988.6	317.5	4 746.8	
			11/01/1994	10/31/2004	988.6	360.8		
			12/15/1993	10/31/1994	570.3	183.2	2 738.6	
11/01/1994	10/31/2004	570.3	360.8					
Engage Energy Canada, L.P.	GOL-1-94 ^(b) GOL-2-94 ^(c)	Iroquois, Ont. & Niagara Falls, Ont. Huntingdon & Kingsgate B.C.	03/01/1994	09/15/2002	N/S	N/S	N/S	
			03/01/1994	09/15/2002	N/S	N/S	N/S	

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes		
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	Term (10 ⁶ m ³)
	GOL-3-94 ^(a)	Monchy, Sask. & St. Clair, Ont.	03/01/1994	09/15/2002	N/S	N/S	N/S
	GOL-4-94 ^(a)	Emerson, Man.	03/01/1994	09/15/2002	N/S	N/S	N/S
	GOL-5-94 ^(a)	Cardston, Alta.	03/01/1994	09/15/2002	N/S	N/S	N/S
	GOL-9-93 ^(a)	St. Clair, Ont.	11/01/1997	03/31/2008	N/S	N/S	N/S
	GO-16-96	Monchy, SK	03/07/1996	09/19/2000	30.0	N/S	N/S
Enron Capital & Trade Resources Corp.	GL-258	Iroquois, Ont.	11/01/1996	10/31/2006	425.0	155.0	1 550.0
	GL-268	Niagara Falls, Ont.	11/01/1997	11/01/2007	435.9	159	1 590.0
	GL-277	Monchy, Sask.	11/01/1998	11/01/2008	1 185.2	432.7	4 327.3
	GL-278	Emerson, Man.	11/01/1998	11/01/2008	901.0	329.6	3 296.6
		St. Clair, Ont.	11/01/1998	11/01/2008	901.0	329.6	
		combined maximum					
	GL-279	Niagara Falls, Ont.	11/01/1998	11/01/2008	256.4	93.6	936.0
	GL-293	St. Clair, Ont.	11/01/1999	10/31/2009	566.0	206.8	2 068.0
Forty Mile gas Co-op Ltd.	GO-21-98	Monchy, SK	05/01/1998	04/30/2018	N/S	N/S	N/S
Gaz Métropolitain, Inc.	GOL-14-93 ^(a)	St. Clair & Windsor, Ont.	12/01/1993	11/30/2003	N/S	N/S	N/S
	GOL-16-93 ^(a)	St. Clair & Windsor, Ont.	12/01/1993	11/30/2003	N/S	N/S	N/S
Husky Gas Marketing (as agent for Canterra Energy Ltd.)	GL-114	Emerson, Man.	08/24/1989	10/31/1989	424.9	29.3	2 246.4
			11/01/1989	10/31/2004	424.9	155.1	2 556.6
Husky Oil Operations Ltd.	GL-144	Cornwall/Iroquois, Ont.	08/01/1992	10/31/1992	566.6	52.1	3 154.0
			11/01/1992	11/01/2007	566.6	206.8	3 154.0
	GL-247	Huntingdon, B.C.	Date of 1st deliveries for a 15-year term		398.0	145.3	2 179.0
Imperial Oil Resources Ltd./ Boston Gas Company	GL-294	Iroquois, Ont.	Date of 1st deliveries	03/31/2007	991.5	362	5 432.0
Indeck-Yerkes Limited Partnership	GL-215	Niagara Falls, Ont.	03/16/1993	10/31/1993	341.0	77.7	1 115.9
			11/01/1993	10/31/2005	341.0	123.3	
Midland Cogeneration Venture Limited Partnership	GOL-9-96 ^(a)	St. Clair, Windsor, Sarnia & Blue Water, Ont.	12/18/1996	12/31/2006	N/S	N/S	N/S
Mead Corporation, The	GO-16-00	Cornwall, Ont.	05/01/2000	12/31/2004	N/S	N/S	N/S
National Steel Corporation	GOL-8-96 ^(a)	Windsor, Ont.	12/18/1996	12/17/2000	N/S	N/S	N/S
			GOL-5-00 ^(a)	12/18/2000	12/17/2002	N/S	N/S
New York State Electric & Gas Corporation	GL-195	Chippawa, Iroquois, & Niagara Falls, Ont. & Napierville, Que.	11/01/1993	10/31/2005	225.0	93.1	1 117.0
	GL-220	Chippawa, Ont.	12/01/1993	10/31/1994	283.3	95.0	1 035.0
			11/01/1994	10/31/2003	283.3	103.5	
			11/01/2003	11/30/2003	283.3	8.5	
Northern Minnesota Utilities	GL-171	Sprague, Man.	04/30/1992	10/31/1992	917.8	168.8	3 685.0
	GOL-17-92 ^(m)	Fort Frances, Ont.	12/01/1992	10/31/2002	N/S	N/S	N/S
Ocean Energy, Inc.	GOL-12-95 ^(b)	Loomis & Willow Creek, Sask & Emerson, Man	12/01/1992	10/31/2002	N/S	N/S	N/S
Pan-Alberta Gas Ltd.		Maximum permitted at Niagara Falls, Ont. as part of combined Emerson/ Niagara Falls volumes	11/01/1987	10/31/1996	1 442.7	526.6	
			11/01/1996	10/31/1997	1 082.1	394.9	
			11/01/1997	10/31/1998	721.3	263.3	
			11/01/1998	10/31/1999	360.7	131.7	

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes				
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	Term (10 ⁶ m ³)		
PanCanadian Petroleum Ltd.	GL-97	Monchy, Sask.	12/20/1984	10/31/1985	24 928.5	7 582.7	7 5296.7		
			11/01/1985	10/31/2001	24 928.5	8294.4			
	GL-106	Kingsgate, B.C.	11/01/1988	10/31/2012	7 478.6	2 488.3	37 324.5		
	GL-284	Monchy, Sask	11/01/1998	10/31/2008	4 277.5	1 562.4	15 624.0		
Pawtucket Power Associates Limited Partnership Petro-Canada Inc.	GL-285	Kingsgate, BC	11/01/1998	10/31/2008	2 727.0	996.2	9 962.0		
	GL-149	Iroquois, Ont.	11/01/1991	10/31/2006	362.5	132.4	1 986.0		
Pittsfield Generating Company, L.P.	GL-186	Huntingdon, B.C.	04/01/1994	10/31/1994	409.6	87.5	2 580.9		
			11/01/1994	10/31/2011	409.6	150.0			
Poco Petroleum Ltd.	GL-256	Niagara Falls, Ont.	04/01/1996	10/31/2011	895.0	326.7	4 844.3		
Poco Petroleum Ltd.	GL-173	Huntingdon, B.C.	06/11/1992	10/31/1992	424.9	60.7	1 138.4		
			11/01/1992	10/31/2000	424.9	155.1			
			11/01/2000	08/11/2001	424.9	120.6			
	GL-174	Huntingdon & Kingsgate, B.C.	06/11/1992	10/31/1992	566.6	81.0	1 583.0		
			11/01/1992	10/31/2000	566.6	206.8			
			11/01/2000	06/10/2001	566.6	126.3			
	GL-205	Kingsgate, B.C.	11/01/1993	10/31/2002	445.1	138.8	869.5		
			11/01/2002	09/30/2003	445.1	126.6			
	ProGas Limited	GL-98	Emerson, Man. & Monchy, Sask. combined maximum	08/13/1986	10/31/1986	9 440.9	2 583.1	30 064.3	
				11/01/1986	10/31/1987	7 552.7	2 480.0		
11/01/1987				10/31/1993	9 440.9	3 100.0			
11/01/1993				10/31/1994	5 211.1	1 560.3			
11/01/1994				02/28/1995	5 211.1	380.5			
03/01/1995				07/31/1995	4 788.7	584.2			
08/01/1995				10/31/1995	4 515.0	328.5			
11/01/1995				10/31/1997	4 515.0	1 303.5			
11/01/1997				10/31/2000	4 741.4	1 386.1			
11/01/2000				10/31/2001	1 416.4	517.3			
Maximum permitted at Monchy, Sask as part of combined Emerson/Monchy volumes				08/13/1986	10/31/1986	6 797.4	2 480.0		8 718.7
				11/01/1986	10/31/1987	3 776.3	1 240.0		
				11/01/1987	10/31/1993	2 124.6	899.0		
		11/01/1993	10/31/1994	2 124.6	775.5				
		11/01/1994	02/28/1995	2 124.6	255.0				
		03/01/1995	07/31/1995	2 124.6	325.1				
		08/01/1995	10/31/1995	2 124.6	195.5				
GL-101		Niagara Falls, Ont.	05/01/1989	10/31/1989	1 420.0	260.6	10 340.0		
			11/01/1989	10/31/2009	1 420.0	517.0			
GL-109		Iroquois & Niagara Falls, Ont.	05/01/1991	10/31/1991	708.2	130.3	5 170.0		
	11/01/1991		10/31/2011	708.2	258.5				
GL-129	Niagara Falls, Ont.	07/27/1990	10/31/1990	2 861.1	277.5	19 015.3			
		11/01/1990	10/31/1992	2 861.1	1 044.3				
		11/01/1992	10/31/2006	2 521.1	920.2				
		11/01/2006	10/31/2013	2 039.6	744.4				
GL-161	Iroquois, Ont.	11/01/1992	10/31/2010	708.2	258.4	4 800.3			
		11/01/2010	04/30/2011	708.2	128.1				
GL-178	Niagara Falls, Ont.	11/01/1992	10/31/2007	339.9	124.0	1 861.1			
GL-179	Emerson, Man.	11/01/1992	10/31/2002	212.5	77.5	775.4			
GL-231	Emerson, Man.	11/01/1993	10/31/2003	2 407.9	879.0	8 651.9			

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes			
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	Term (10 ⁶ m ³)	
Ranger Oil Limited Renaissance Energy Ltd.	GL-234	Emerson, Man.	05/01/1994 11/01/1994	10/31/1994 10/31/2003	84.8 84.8	15.6 30.9	294.3	
	GL-236	Emerson, Man.	05/01/1994 11/01/1994	10/31/1994 10/31/2003	304.0 304.0	55.9 110.9	1 054.6	
	GL-237	Emerson, Man.	05/01/1994 11/01/1994	10/31/1994 10/31/2003	95.9 95.9	17.6 35.0	332.8	
	GL-238	Emerson, Man.	05/01/1994 11/01/1994	10/31/1994 10/31/2003	313.8 313.8	57.7 114.5	1 088.5	
	GL-240	Emerson, Man.	05/01/1994 11/01/1994	10/31/1994 10/31/2002	187.4 187.4	34.4 68.3	581.6	
	GL-270	Emerson, Man.	05/01/1997	10/31/2012	225.0	41.4	2 071.3	
	GL-271	Emerson, Man.	05/01/1997	10/31/2012	67.0	12.3	378.3	
	GL-272	Iroquois, Ont.	11/01/1997	10/31/2007	458.0	167.2	1 672.0	
	GL-286	Emerson, Man.	11/01/1998	10/31/2008	849.6	310.3	620.6	
	GL-287	Monchy, Sask.	11/01/1998	10/31/2008	849.6	310.3	620.6	
	GL-288	Kingsgate, B.C.	07/01/1998	03/01/2007	222.3	26.6	703.3	
	GL-295	Emerson, Man.	01/01/1999	10/31/2009	171.4	62.6	626.0	
	GL-280	Niagara Falls, Ont.	11/01/1997	10/31/2007	141.6	51.7	517.0	
	GL-251	Monchy, Sask.	01/31/1995 11/01/1995	10/31/1995 10/31/2003	140.0 140.0	42.6 51.1	460.0	
	GL-252	Niagara Falls, Ont.	11/01/1995	10/31/2005	180.0	66.0	660.0	
	GL-253	Niagara Falls, Ont.	11/01/1995	10/31/2005	28.0	10.1	101.0	
	GL-255	Niagara Falls, Ont.	10/17/1995 11/01/1995	10/31/1995 10/31/2004	79.3 79.3	1.2 28.9	265.5	
	GL-263	Niagara Falls, Ont.	11/01/1997	11/01/2002	281.9	102.9	514.5	
	GL-292	Niagara Falls, Ont.	11/01/1998	11/01/2008	663.0	242.0	2 421.0	
	GOL-12-92 ^(a)	Chippawa, Ont.	11/01/1993	10/31/2008	N/S	N/S	N/S	
	Rochester Gas and Electric Corporation							
	San Diego Gas & Electric Company & Husky Oil Operations	GL-208	Kingsgate, B.C.	11/01/1993	10/31/2001	609.9	222.6	2 226.0
	Saranac Power Partners L.P. & Shell Canada Limited	GL-197	Napierville, Que.	11/01/1993	10/31/2008	1 445.0	529.0	7 125.0
Selkirk Cogen Partners, L.P.	GL-157	Iroquois & Niagara Falls, Ont.	11/01/1992 11/01/2007	10/31/2007 10/30/2008	651.5 651.5	237.8 117.9	3 685.9	
Selkirk Cogen Partners, L.P. & Atcor Ltd.	GL-192	Iroquois, Ont.	11/01/1994	10/31/2009	479.0	176.0	2 712.0	
Selkirk Cogen Partners, L.P. & Imperial Oil Resources Ltd.	GL-193	Iroquois, Ont.	11/01/1994	10/31/2009	538.2	196.6	3 031.0	
Selkirk Cogen Partners, L.P. & PanCanadian Petroleum Ltd.	GL-194	Iroquois, Ont.	11/01/1994	10/31/2009	538.2	196.6	3 031.0	
Shell Canada Limited/ Coral Energy Canada Inc.	GL-120	Emerson, Man.	08/24/1989 11/01/1989	10/31/1989 10/31/2004	424.9 424.9	29.3 155.1	2 250.0	
GL-134	Niagara Falls, Ont.	07/27/1990 11/01/1990 11/01/2010	10/31/1990 10/31/2010 08/31/2011	450.0 450.0 450.0	43.6 145.0 95.8	2 755.0		

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes		Term (10 ⁶ m ³)
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	
	GL-180	Monchy, Sask.	08/27/1992	10/31/1992	278.0	18.3	1 014.0
			11/01/1992	10/31/2001	278.0	102	
			11/01/2001	08/26/2002	278.0	83.1	
	GL-181	Monchy, Sask.	08/27/1992	10/31/1992	580.0	38.2	3 181.0
			11/01/1992	10/31/2006	580.0	212.0	
			11/01/2006	08/26/2007	580.0	173.4	
Sithe/Independence Power Partners, L.P.	GL-219	Chippawa, Ont.	03/01/1995	10/31/1995	805.0	196	2 940.0
			11/01/1995	10/31/2004			
	GOL-13-92 ^(b)	Chippawa, Ont.	02/01/1993	12/31/2014	N/S	N/S	N/S
St. Lawrence Gas Company, Inc.	GL-264	Cornwall & Iroquois, Ont.	11/01/1996	06/30/1997	574.3	106.2	637.2
			07/01/1997	10/31/1997	531.8	30.6	484.5
			10/01/1997	10/31/2002	531.8	100	
Summit Resources Limited	GL-214	Kingsgate, B.C.	11/01/1993	03/31/1994	219.2	21.8	300.0
			04/01/1994	09/30/1994	141.3	26.4	
			10/01/1994	10/31/1994	219.2	4.4	
			11/01/1994	03/31/1995	219.2	21.8	
			04/01/1995	09/30/1995	141.3	26.4	
			10/01/1995	10/31/1995	219.2	4.4	
			11/01/1995	03/31/1996	219.2	21.8	
			04/01/1996	09/30/1996	141.3	26.4	
			10/01/1996	10/31/1996	219.2	4.4	
			11/01/1996	03/31/1997	219.2	21.8	
			04/01/1997	09/30/1997	141.3	26.4	
			10/01/1997	10/31/1997	219.2	4.4	
			11/01/1997	03/31/1998	219.2	21.8	
			04/01/1998	09/30/1998	141.3	26.4	
			10/01/1998	10/31/1998	219.2	4.4	
			11/01/1998	03/31/1999	219.2	21.8	
			04/01/1999	09/30/1999	141.3	26.4	
			10/01/1999	10/31/1999	219.2	4.4	
			11/01/1999	03/31/2000	219.2	21.8	
			04/01/2000	09/30/2000	141.3	26.4	
10/01/2000	10/31/2000	219.2	4.4				
11/01/2000	03/31/2001	219.2	21.8				
04/01/2001	09/30/2001	141.3	26.4				
10/01/2001	10/31/2001	219.2	4.4				
Talisman Energy Inc.	GL-196	Huntingdon, B.C.	10/01/1993	10/31/2011	504.1	184.0	3 128.0
			01/01/1997	12/31/2016	74.7	27.3	545.5
			01/01/1997	12/31/2016	78.9	28.8	575.9
Tennessee Gas Pipeline Company	GOL-11-92 ^(b)	Niagara Falls	11/01/1992	10/31/2002	N/S	N/S	N/S
TransCanada Gas Services Limited	GL-128	Cornwall, Ont.	07/27/1990	10/31/1990	331.0	32.1	1 820.0
			11/01/1990	10/31/2005	331.0	121.3	
	GL-141	Emerson, Man.	11/08/1990	10/31/1991	424.9	152.1	2 326.5
			11/01/1991	10/31/2005	424.9	155.1	
	GL-163	Niagara Falls, Ont.	11/01/1992	10/31/2007	283.0	103.7	1 552.0
			05/01/1992	10/31/1992	1 346.0	247.6	
	GL-167	Emerson, Man.	11/01/1992	10/31/2001	1 346.0	492.0	4 920.0
			05/01/1992	10/31/1992	708.0	130.2	
	GL-169	Monchy, Sask.	11/01/1992	10/31/2001	708.0	259.0	2 590.0
			05/01/1992	10/31/1992	708.0	259.0	
	GL-170	Emerson, Man.	05/01/1992	10/31/1992	283.0	52.0	978.2
			11/01/1992	10/31/2000	283.0	103.0	
			11/01/2000	05/01/2001	283.0	51.2	

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes		
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	Term (10 ⁶ m ³)
	GL-172	Philipsburg, Que.	04/30/1992	10/31/1992	906.0	166.7	4 980.0
			11/01/1992	10/31/2006	906.0	332.0	
	GL-175	Iroquois, Ont.	08/27/1992	10/31/1992	1 445.0	95.3	7 910.0
			11/01/1992	10/31/2005	1 445.0	529.0	
	GL-200	Niagara Falls, Ont.	02/01/1994	10/31/1994	509.0	139.6	2 800.0
			11/01/1994	10/31/2008	509.0	186.6	
			11/01/2009	01/31/2009	509.0	47.0	
	GL-242	Emerson, Man.	05/01/1994	10/31/1994	2 533.0	467.3	8 811.5
			11/01/1994	10/31/2003	2 533.0	927.0	
	GL-243	Emerson, Man.	05/01/1994	10/31/1994	776.0	142.6	2 689.5
			11/01/1993	10/31/2010	504.1	184.0	
			11/01/1994	10/31/2003	776.0	283.0	
	GL-244	Emerson, Man.	05/01/1994	10/31/1994	752.0	138.6	2 613.8
			11/01/1994	10/31/2003	752.0	275.0	
	GL-245	Emerson, Man.	05/01/1994	10/31/1994	237.0	43.7	824.1
			11/01/1994	10/31/2003	237.0	86.7	
	GL-246	Emerson, Man.	05/01/1994	10/31/1994	210.0	38.7	729.9
			11/01/1994	10/31/2003	210.0	76.8	
	GL-254	Emerson, Man.	01/31/1995	10/31/1995	205.0	56.5	675.0
			11/01/1995	10/31/2003	205.0	75.0	
TransCanada Gas Services as agent for CanStates Gas Marketing	GL-248	Kingsgate, B.C.	08/01/1996	07/31/2011	841.5	307.1	4 606.9
	GL-249	Kingsgate, B.C.	08/01/1996	07/31/2011	420.7	153.5	2 303.2
TransCanada Gas Services as agent for CanStates Gas Marketing and Transco Energy Marketing Company	GL-136	Niagara Falls, Ont.	08/27/1992	10/31/1992	2 125.0	140.2	9 307.5
			11/01/1992	10/31/2002	2 125.0	775.6	
	GL-137	Niagara Falls, Ont.	11/08/1990	10/31/1991	1 371.1	450.5	5 593.8
			11/01/1991	10/31/2000	1 371.1	459.3	
			11/01/2000	10/31/2002	1 371.1	500.4	
TransCanada Pipelines Limited	GL-83	Niagara Falls, Ont.	11/01/1986	10/31/2002	2 620.3	959.0	16 371.0
			11/01/2002	01/15/2003	2 620.3	199.1	
			01/06/2003	01/15/2004	2 620.3	959.0	
	GL-110	Iroquois & Niagara Falls, Ont.	05/01/1991	10/31/1991	708.2	130.3	5 443.2
			11/01/1991	10/31/2012	708.2	258.5	
	GL-121	Emerson, Man.	08/24/1989	10/31/1989	424.9	29.3	2 326.5
			11/01/1989	10/31/2003	424.9	155.1	
	GL-122	Emerson, Man.	08/24/1989	10/31/1989	424.9	29.3	2 326.5
			11/01/1989	10/31/2004	424.9	155.1	
	GL-187	Emerson, Man.	08/27/1992	10/31/1992	2 785.0	183.81	12 035.0
			11/01/1992	10/31/2005	2 785.0	875.0	
	GOL-2-91 ^(a)	Emerson, Man.	11/01/1991	10/31/2005	N/S	N/S	N/S
Union Gas Limited	GOL-15-93 ^(a)	Sprague, Man.	12/01/1993	11/30/2018	N/S	N/S	N/S
	GOL-5-97 ^(b)	St. Clair, Windsor, Sarnia, & Blue Water, Ont.	06/25/1997	06/24/2002	N/S	N/S	N/S
	GOL-6-97 ^(b)	Emerson, Man. & Monchy, Sask.	06/25/1997	06/24/2002	N/S	N/S	N/S
United States Gypsum Company	GL-273	Emerson, Man.	11/01/1997	11/01/2007	382.4	139.6	1 395.8

C3. LICENCES AND LONG-TERM ORDERS TO EXPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes		
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	Term (10 ⁶ m ³)
US Gen New England Inc.	GL-160	Iroquois & Niagara Falls, Ont.	07/28/1999	11/01/2008	1 700.0	621.0	9 308.0
Vermont Gas Systems, Inc.	GL-289	Philipsburg, Que.	11/01/1998	10/31/2008	226.6	82.7	827.0
WasCana Energy Inc.	GL-229	Niagara Falls, Ont.	12/15/1993	10/31/1994	708.2	227.5	2 391.1
			11/01/1994	10/31/2002	708.2	258.5	
WasCana Energy Inc. Rock-Tenn Company, Mill	GL-290	Philipsburg, Que.	11/01/1998	10/31/2008	61.2	22.3	223.4
Washington Water Power Company	GL-204	Kingsgate, B.C.	11/01/1993	10/31/1994	1 013.0	277.0	3 357.0
			11/01/1994	10/31/1995	1 100.0	302.0	
			11/01/1995	10/31/1996	1 190.0	328.0	
			11/01/1996	10/31/1997	1 285.0	356.0	
			11/01/1997	10/31/1998	1 380.0	382.0	
			11/01/1998	10/31/1999	1 471.0	408.0	
			11/01/1999	10/31/2000	1 563.0	434.0	
			11/01/2000	10/31/2001	1 145.0	275.0	
			11/01/2001	10/31/2002	1 201.0	290.0	
			11/01/2002	10/31/2003	1 258.0	305.0	
Westcoast Gas Services Inc	GL-183	Huntingdon, B.C.	04/28/1994	10/31/2002	273.9	100.0	1 000.3
	GL-282	Emerson, MN	11/01/1998	10/31/2001	572.0	208.8	2 452.0
			11/01/2001	10/31/2008	715.0	261.0	

- (a) This order authorizes an export of natural gas for subsequent import near Rainy River, Ont.
- (b) This order authorized a re-export of natural gas that was imported near Windsor, Ont.
- (c) This order authorizes an export of natural gas for subsequent import near Huntingdon, B.C.
- (d) This order authorizes an export of natural gas for subsequent import near St. Clair, Ont.
- (e) This order authorizes the re-export of natural gas that was imported near Loomis, Sask.
- (f) This order authorizes the re-export of natural gas that was imported near Chippawa, Niagara, St. Clair, Windsor, and Blue Water, Ont.
- (g) This order authorizes the export of natural gas for subsequent import near Chippawa, Niagara, St. Clair, Windsor, and Blue Water, Ont.
- (h) This order authorizes the re-export of natural gas that was imported near St. Clair and Windsor, Ont.
- (i) This order authorizes an export of natural gas for subsequent import near Willow Creek, Sask.
- (j) This order authorizes an export of natural gas for subsequent import near St. Clair and Windsor, Ont.
- (k) This order authorizes a re-export of natural gas that was imported near Willow Creek, Sask.
- (l) This order authorizes the re-export of natural gas that was imported near St. Clair, Windsor, Sarnia, and Blue Water, Ont.
- (m) This order authorizes the re-export of natural gas that was imported near Rainy River, Ont.
- (n) This order authorizes the re-export of natural gas that was imported near Sarnia, Ont.
- (o) This order authorizes an export of natural gas for subsequent import near Sarnia and Sault Ste. Marie, Ont.
- (p) This order authorizes a re-export of natural gas that was imported near St. Clair, Windsor, Sarnia, S.S. Marie and Blue Water, Ont.
- N/S Not Specified

C4. LICENCES AND LONG-TERM ORDERS TO IMPORT NATURAL GAS AS AT 31 DECEMBER 2000

Exporter	Licence or Order Number	Point of Export	Term of Licence or Order		Maximum Volumes		Term (10 ⁶ m ³)
			From	To	Daily (10 ³ m ³)	Annual (10 ⁶ m ³)	
Abitibi-Consolidated Corporation	GOL-2-98 ^(a)	Rainy River, Ont.	03/01/1998	10-31/2002	N/S	N/S	N/S
Chinook Pipeline Company	GOL-4-00 ^(c)	Loomis, SK	11/03/2000	11/02/2010	N/S	N/S	N/S
Cornerstone Gas Marketing	GOL-3-97 ^(d)	Loomis, SK	08/08/1997	10/31/2008	N/S	N/S	N/S
CoWest Energy	GOL-1-97 ^(e)	Chippawa, Niagara, St. Clair, Windsor, & Blue Water, Ont.	02/04/1997	02/03/2022	N/S	N/S	N/S
	GOL-2-97 ^(f)	Chippawa, Niagara, St. Clair, Windsor, & Blue Water, Ont.	02/04/1997	02/03/2022	N/S	N/S	N/S
Engage Energy Canada, L.P.	GOL-1-94 ^(g)	Windsor & St. Clair, Ont.	03/01/1994	09/15/2002	N/S	N/S	N/S
	GOL-2-94 ^(h)	Huntingdon, B.C.	03/01/1994	09/15/2002	N/S	N/S	N/S
	GOL-3-94 ⁽ⁱ⁾	Windsor & St. Clair, Ont.	03/01/1994	09/15/2002	N/S	N/S	N/S
	GOL-4-94 ^(d)	Windsor & St. Clair, Ont.	03/01/1994	09/15/2002	N/S	N/S	N/S
	GOL-5-94 ^(j)	Willow Creek, Sask.	03/01/1994	09/15/2002	N/S	N/S	N/S
Gaz Métropolitain, Inc.	GOL-9-93 ^(k)	St. Clair, Ont.	01/01/1997	03/31/2008	N/S	N/S	N/S
	GOL-14-93 ^(l)	St. Clair & Windsor, Ont.	12/01/1993	11/30/2003	N/S	N/S	N/S
Midland Cogeneration Venture Limited Partnership	GOL-16-93 ^(l)	Windsor & St. Clair, Ont.	12/01/1993	11/30/2003	N/S	N/S	N/S
	GOL-9-96 ^(m)	St. Clair, Windsor, Sarnia & Blue Water, Ont.	12/18/1996	12/31/2006	N/S	N/S	N/S
National Steel Corporation	GOL-8-96 ⁽ⁿ⁾	Windsor, Ont.	12/18/1996	12/17/2000	N/S	N/S	N/S
Northern Minnesota Utilities	GOL-17-92 ^(o)	Rainy River, Ont.	12/01/1992	10/31/2002	N/S	N/S	N/S
Ocean Energy, Inc.	GOL-12-95 ^(d)	Willow Creek, SK	09/22/1995	12/31/2008	N/S	N/S	N/S
Rochester Gas and Electric Corporation	GOL-12-92 ^(d)	Sarnia, Ont.	11/01/1993	10/31/2008	N/S	N/S	N/S
Sithe/Independence Power Partners, L.P.	GOL-13-92 ^(d)	Sarnia & Windsor, Ont.	02/01/1993	12/31/2014	N/S	N/S	N/S
Tennessee Gas Pipeline Company	GOL-11-92 ^(d)	St. Clair, Ont.	11/01/1992	10/31/2002	N/S	N/S	N/S
TransCanada Pipelines Limited	GOL-2-9 ^(j)	Sarnia & SS Marie, Ont.	11/01/1991	10/31/2005	N/S	N/S	N/S
Union Gas Limited	GOL-15-93 ^(d)	Rainy River	12/01/1993	11/30/2018	N/S	N/S	N/S
	GOL-5-97 ^(s)	St. Clair, Windsor, Sarnia, & Blue Water, Ont.	06/25/1997	06/24/2002	N/S	N/S	N/S
	GOL-6-97 ^(t)	St. Clair, Windsor, Sarnia, & Blue Water, Ont.	06/25/1997	06/24/2002	N/S	N/S	N/S

- (a) This order authorizes the re-import of natural gas that was exported near Sprague, Man.
- (b) This order authorizes the re-import of natural gas that was exported near Kingsgate & Huntingdon, B.C.
- (c) This order authorizes an import of natural gas for subsequent export near, Emerson Man, or Niagara Falls Ont. Or Monchy, SK.
- (d) This order authorizes an import of natural gas for subsequent export near Emerson, Man.
- (e) This order authorizes an import of natural gas for subsequent export near St. Clair, Niagara, Chippawa, Blue Water, Windsor, Ont. and Emerson, Man.
- (f) This order authorizes the re-import of natural gas that was exported near St. Clair, Niagara, Chippawa, Blue Water, Windsor, Ont. and Emerson, Man.
- (g) This order authorizes an import of natural gas for subsequent export near Iroquois and Niagara Falls, Ont.
- (h) This order authorizes the re-import of natural gas that was exported near Monchy, Sask. and St. Clair, Ont.
- (i) This order authorizes the re-import of natural gas for that was exported near Cardston, Alta.
- (j) This order authorizes the import of natural gas for subsequent export near St. Clair
- (k) This order authorizes an import of natural gas for subsequent export near St. Clair and Windsor, Ont.
- (l) This order authorizes the re-import of natural gas that was exported near St. Clair and/or Windsor, Ont.
- (m) This order authorizes an import of natural gas for subsequent export near St. Clair, Windsor, Sarnia, and Blue Water, Ont.
- (n) This order authorizes an import of natural gas for subsequent export near Windsor, Ont.
- (o) This order authorizes an import of natural gas for subsequent export near Fort Frances, Ont.
- (p) This order authorizes an import of natural gas for subsequent export near Chippawa, Ont.
- (q) This order authorizes an import of natural gas for subsequent export near Chippawa, Ont.
- (r) This order authorizes an import of natural gas for subsequent export near Niagara Falls, Ont.
- (s) This order authorizes the import of natural gas for subsequent export near Huntingdon, BC.
- (t) This order authorizes the import of natural gas for subsequent export near Emerson, Man. and Monchy, Sask.
- N/S Not Specified

C5. NATURAL GAS EXPORTS BY EXPORT POINT, 1996 to 2000 (million cubic metres)

Export Point	1996	1997	1998	1999	2000 (a)
Huntingdon	10 693	10 455	11 979	11 379	10 100
Kingsgate	22 545	23 985	24 187	22 835	23 500
Monchy	15 499	15 451	15 815	21 912	22 400
Emerson	11 944	12 122	13 737	14 345	14 200
Niagara Falls	7 609	8 147	8 637	10 234	11 250
Iroquois	8 137	8 564	9 006	10 121	10 275
Other	4 334	4 078	4 778	4 714	7 800
Total	80 761	82 802	88 139	88 139	99 525

a) Estimates

C6. TOTAL NET EXPORTS OF PROPANE AND BUTANES, 1999 - 2000

(cubic metres)

Exporter	Propane		Butanes	
	1999 Actual	2000 Preliminary	1999 Actual	2000 Preliminary
Amoco	3 346 848	3 528 220	1 215 139	1 181 068
Burnwell	138 367	132 177	N/A	N/A
Canada Imperial Oil	657 106	583 939	14 460	54 087
Canpet Energy	150 344	157 697	18 854	7 124
Canadian Enterprise	74 443	83 724	0	0
Cenex	88 684	N/A	N/A	N/A
Centennial Gas Liquids	4 993	7 968	N/A	N/A
Chevron Standard Ltd.	208 807	161 726	0	0
Coast Energy Canada Inc.	18 051	31 495	0	351
Conoco Canada Limited	N/A	368 614	N/A	214 855
Consumers Coop	1 527	3 304	0	0
Country Energy	228 264	126 556	N/A	N/A
Dow Chemical	29 296	63 144	0	0
Dynegy Midstream Services	78 950	96 514	33 748	4 650
Elbow River Resources	68 908	65 934	188 720	105 146
ETI	127 165	72 755	0	0
Factor	35 958	45 462	1 751	23 583
Farmland	3 844	N/A	N/A	N/A
Ferrellgas	183 200	124 554	N/A	N/A
Gas Supply Resources Inc.	532 278	556 507	N/A	N/A
Great Western	6 557	7 858	0	0
Gulf Canada	77 297	67 121	19 760	6 224
ICG Propane	672	0	0	0
Irving Oil	17 101	26 768	0	0
Kinetic	951 263	928 083	290 419	271 769
Link	11 224	7 479	14 249	109
M-P Energy	188 669	165 569	0	0
Mapco	30 698	67 827	0	0
Marathon Ashland	0	0	30 010	29 156
Mobil Canada Products	16 185	9 096	0	0
Mobil Oil Canada	58 807	53 209	0	0
NGL Supply	274 411	306 694	190 575	167 285
Novagas Canada Ltd.	56 961	0	0	0
Petro Canada Hydrocarbons	381 164	149 864	229 733	57 171
Petro Canada (U.S.A) Inc.	N/A	121 350	N/A	N/A
Petrogas	88 210	66 329	16 197	2 219
Petromont	11 636	21 916	0	0
Quadra Energy	159 741	99 333	11 083	13 702
Resource Energy Marketing	62 301	53 696	5 289	0
Shell	220 715	241 313	134 507	62 169
Stittco	26 186	21 422	N/A	N/A
Sunoco Inc.	119 600	108 160	100	0
Texaco Canada Petroleum	72 309	20 105	145 907	193 797
TransCanada Gas Liquids	281 158	187 092	0	0
Triangle Three Service	837	1 402	N/A	N/A
Ultramar	0	72	0	0
Western Gas Liquids	113	12 298	0	4 807
Williams Energy Marketing	N/A	131 304	N/A	12 619
Total	9 090 848	9 085 650	2 560 501	2 411 891

N/A Not Applicable

D1. FINANCIAL INFORMATION -

Group 1 Oil Pipeline Companies with Multi-Year Incentive Toll Settlements

2000 ^(a)	Enbridge Pipelines Inc.	Trans Mountain Pipe Line Company Ltd.	Trans-Northern Pipelines Inc.
Operations (\$000)			
Revenues	425,248	115,278	29,721
Fuel & Power	55,640	4,977	3,085
Depreciation	122,941	15,740	3,319
Operating & Maintenance ^(b)	146,785	59,187	14,961
Net Income	106,308	16,078	4,676
Throughput Statistics			
Throughput (m ³ /day)	280 200	32 417	30 517
Throughput-Km (000 m ³ /km)	91 263 865	11 983 544	1 546 040
Performance Statistics			
Average Revenue (\$/m ³)	4.16	9.72	2.66
Revenue per m3 - km (\$)	0.005	0.010	0.019
Expenses per m3 - km (\$)	0.002	0.005	0.001
Net Income over/(under) Earnings Threshold (\$000)	4,395	4,973	1,386
Negotiated Incentives (\$000) ^(b)	6,760	4,735	1,214
Other Adjustments (\$000) ^(c)	153,573	(1,831)	1,261

Notes:

- a) Data may be based on preliminary estimates.
- b) Operating and Maintenance is the sum of maintenance, transportation, administration and other expenses.
- c) Shippers' share of 2000 incentives, to be deducted from 2001 revenue requirement.
- d) Shippers' share of adjustments under each company's incentive agreement, to be deducted from or added to year 2001 revenue requirement.

D2. FINANCIAL INFORMATION -

Group 1 Oil Pipeline Companies with Tolls Based on Cost of Service

2000 ^(a)	Cochin Pipe Lines Ltd	Enbridge Pipelines
Revenue Requirement (\$000)		
Cost of Debt	7,515	3,278
Return on Equity	7,147	9,818
Fuel & Power	4,071	760
Depreciation	1,440	8,825
Wages & Benefits	2,064	2,225
Other Operating & Maintenance	7,829	7,578
Other	-	72 ^(c)
Income Taxes	5,083	7,835
Other Taxes	1,523	376
Total	36,672	40,767^(d)
Return on Common Equity (%)		
Approved	5.75 - 8.25	10
Actual	6.5 (6)	10
Utility Rate Base (\$000) at 31 December 1999		
Net Plant in Service	107,917	16,458
Working Capital	2,773	880
Other	-	5,439
Total	110,690	175,777

Capitalization of Rate Base (\$000)		
Debt	-	57,547
Deferred Taxes	-	23,539
Common Equity	110,690	99,106
Total	110,690	180,192

Annual Throughput (10³m³)	4,976	1,777
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Notes:

- a) Data may be based on preliminary estimates.
- b) Return based on a semi-depreciated rate base, pursuant to Board Order RH-5-80.
- c) Includes the impact of CICA 3465 future Income Tax rate adjustments.
- d) Does not include the impact of CICA 3465 future Income Tax rate

D3. FINANCIAL INFORMATION - Group 1 Gas Pipeline Companies

2000 (a)	TransCanada, TransCanada's B.C. System^(c)	Foothills Pipe Lines Ltd.	TransCanada PipeLines Limited	Trans Québec & Maritimes Inc.	Westcoast Energy Inc.	Maritimes & Northeast Pipelines^(b)	Alliance Pipeline
Revenue Requirement (\$000)							
Cost of Debt	12,016	39,980	577,406	29,045		31,823	11,480
Return on Equity	6,270	24,545	279,299	16,261		19,346	7,350
Preferred Dividends	-	-	-	-		-	-
Fuel & Power	4,969	9,543	67,597	1,750		-	(c)
Depreciation	10,843	43,082	326,297	22,160		24,734	7,154
Wages & Benefits	6,324 ^(d)	4,559	229,386 ^(e)	5,291		1,295	(c)
Other Operating & Maintenance	10,558	17,407	229,386	4,619		6,969	3,789
Special Charges	-	7,806	1,799 ^(f)	-		-	-
Transmission by Others	26,651	-	374,644	-		-	83
NEB Cost Recovery	3,915	2,654	11,467	811		520	119
Other	-	-	1,032 ^(d)	47,022	-	-	(198)
Income Taxes	448	(2,967)	104,881	12,041		1,723	486
Other Taxes	3,024	11,766	104,649	4,921		11,682	1,277
Total	85,018	155,013	2,124,447	96,899	598^(g)	98,092	31,541
Return on Common Equity (%)							
Approved	9.9	9.9	9.9	9.9	9.9	13	11.21
Actual	9.9	9.9	10	9.96	12.68	N/A	11.21
Capitalization of Rate Base (\$000) on 31 December 2000							
Debt	146,516	558,132	6,582,801	3,739	1,476	604,000	1,855,273
Preferred	-	-	-	-	31	-	-
Common Equity	62,793	291,986	2,821,201	-	811	201,000	795,117
IROR One Time Adjustment	-	6,752	-	-	-	-	-
Total	209,309	856,670	9,404,002	2,318	2,318	805,000	2,650,390

Notes:

- a) Data may be based on preliminary estimates.
- b) Data per RH-1-2000 Compliance Filings for the period of 1 December 1999 to September 2000
- c) Fuel and Power and Wages & Benefits are included in Other Operating & Maintenance.
- d) Amortization of the Incentive Rate of Return One Time Adjustment.
- e) Per Merger Costs and Benefits Agreement.
- f) Premium on Debt Reduction.
- g) Tolls set by formula as per negotiated settlement where breakdown of revenue requirement is irrelevant.

E1. CERTIFICATES AND PERMITS ISSUED DURING 2000 FOR INTERNATIONAL POWER LINES

Applicant	Certificate No.	Issued	Comments
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No Certificates or Permits were issued during 2000 in respect to International Power Lines.

E2. AMENDING ORDERS ISSUED DURING 2000 FOR INTERNATIONAL POWER LINES

Applicant	Order No.	Issued	Comments
Hydro One Networks Inc.	AO-4-EC-11	06/27/2000	Certificates transferred from Ontario Hydro Networks Inc. to Hydro One Networks Inc.
	AO-5-EC-12		
	AO-4-EC-13		
	AO-4-EC-14		
	AO-4-EC-15		
	AO-4-EC-16		
	AO-6-EC-17		
	AO-4-18		
	AO-AO-4-EC-III-6		
	AO-4-EC-III-13		
AO-4-EC-III-20			
Hydro One Networks Inc.	AO-3-EPE-25	06/27/2000	Certificates transferred from Ontario Hydro Networks Inc. to Hydro One Networks Inc.
	AO-4-EPE-59		
	AO-6-EPE-60		
	AO-3-EPE-113		
	AO-4-XE-72		

E3. REVOKING ORDERS ISSUED DURING 2000 FOR INTERNATIONAL POWER LINES

Applicant	Order No.	Issued	Comments
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No Revoking Orders were issued during 2000.

E4. LICENCES ISSUED DURING 2000 FOR THE EXPORT OF ELECTRICITY

Applicant	Order No.	Issued	Comments
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No Licences Were Issued During 2000.

E5. PERMITS AND ORDERS ISSUED DURING 2000 FOR THE EXPORT OF ELECTRICITY

E5^(a) Permits Issued

Applicant	Permit No.	Class	Kilowatts	Annual		Term To	Issued
				Megawatt Hours	From		
Canadian Niagara Power Company Ltd.	EPE-149	Firm	50 000	250 000 000 ^(a)	03/01/2000	02/28/2010	02/17/2000
	EPE-150	Interruptible	-	250 000 000 ^(b)	03/01/2000	02/28/2010	02/17/2000
Engage Energy US, L.P.	EPE-151	Interruptible	-	2 234 000	02/17/2000	02/16/2010	02/17/2000
	EPE-152	Firm	-	7508 000	02/17/2000	02/16/2010	02/17/2000
Entergy Power Marketing Corp.	EPE-153	Interruptible	-	5 000 000 ^(c)	03/09/2000	03/08/2010	03/09/2000
	EPE-154	Firm	1 000 000	5 000 000 ^(d)	03/09/2000	03/08/2010	03/09/2000
Manitoba Hydro	EPE-155	Firm	60 000	350 000 ^(e)	05/01/2000	04/30/2012	04/30/2000
Sempra Energy Trading Co.	EPE-156	Interruptible	-	8 760 000	05/25/2000	05/24/2010	05/25/2000
	EPE-157	Firm	-	8 300 000	05/25/2000	05/24/2010	05/25/2000
Columbia Power Corp	EPE-158	Interruptible	-	500 000 ^(f)	06/02/2000	05/31/2009	06/02/2000
	EPE-159	Firm	350 000 ^(g)	500 000 ^(h)	06/02/2000	05/31/2009	06/02/2000
	EPE-160	Firm Equichanges	-	200 000	06/02/2000	05/31/2009	06/02/2000
CMS Marketing, Services and Trading Company	EPE-161	Interruptible	-	6 310 000 ⁽ⁱ⁾	07/05/2000	07/05/2010	06/29/2000
	EPE-162	Firm	250 000	1 752 000	07/05/2000	07/05/2010	06/29/2000
Idaho Power Company	EPE-163	Interruptible	-	876 000 ^(j)	08/31/2000	09/01/2000	08/31/2000
	EPE-164	Firm	100 000	876 000	08/31/2000	09/01/2000	08/31/2000
Candela Energy Corp.	EPE-165	Interruptible	-	8 760 000 ^(k)	08/31/2000	08/30/2010	08/31/2000
	EPE-166	Firm	1 000 000	8 760 000	08/31/2000	08/30/2010	08/31/2000
Transalta Energy Marketing Corp.	EPE-167	Interruptible	-	8 760 000 ^(l)	10/01/2000	10/31/2010	10/19/2000
	EPE-168	Firm	1 000 000	8 760 000	10/01/2000	10/31/2010	10/19/2000
Enmax Energy Corporation	EPE-169	Interruptible	-	8 760 000	01/01/2001	12/12/2005	12/08/2000
	EPE-170	Firm	400 000	3 504 000	01/01/2001	12/12/2005	12/08/2000

E5^(b) Amending Orders Issued During 2000 Relating to Export Licences and Export Permits

Applicant	Order No.	Issued	Comments
Ontario Power Generation Inc.	AO-54-EPE-21	01/13/2000	Transaction Agreement added
	AO-55-EPE-21	02/23/2000	Addition of a customer
	AO-56-EPE-21	02/25/2000	Addition of a customer
	AO-57-EPE-21	01/06/2000	Addition of a customer
	AO-58-EPE-21	04/13/2000	Addition of a customer
	AO-59-EPE-21	06/14/2000	Addition of a customer
	AO-60-EPE-21	08/03/2000	Name change of a customer
	AO-61-EPE-21	10/10/2000	Addition of a customer
	AO-62-EPE-21	10/21/2000	Transaction Agreement added
	Citizens Power Sales LLC	AO-1-EPE-120	04/07/2000
AO-1-EPE-121		04/07/2000	
Energie Maclaren Inc.	AO-2-EPE-111	06/05/2000	Transfer of permits from Great Lakes Power Inc to Energie Maclaren Inc.
	AO-2-EPE-112		
TransCanada Energy Ltd	MO-13-2000	06/15/2000	Leave to amalgamate
	AO-2-EPE-78	06/15/2000	Name change from TransCanada Power Corp. to TransCanada Energy Ltd.
	AO-2-EPE-79	06/15/2000	
TransAlta Energy Marketing Corp.	AO-4-EPE-73	07/13/2000	Extension of term
	AO-4-EPE-74	07/13/2000	
Edison Mission Marketing & Mission Trading Inc.	AO-2-EPE-120	09/25/2000	Transfer of Permits from Citizens Power Sales LLC to Edison Marketing & Trading Inc.
	AO-2-EPE-121	09/25/2000	
Powerex Corp.	AO-1-EPE-71	10/27/2000	Name change from British Columbia Power Exchange Corporation to Powerex Corp.
	AO-1-EPE-116	10/27/2000	
	AO-1-EPE-117	10/27/2000	
	AO-1-EPE-118	10/27/2000	
	AO-1-EPE-119	10/27/2000	

E5^(c) Revoking Orders Issued During 2000 Relating to Export Licences and Export Permits

Applicant	Order No.	Issued	Comments
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There were no Revoking Orders relating to the export of electricity issued during 2000.

- a) Total exports shall not exceed 250 000 GWh less any amounts under EPE-150.
- c) Total exports shall not exceed 5 000 GWh less any amounts under EPE-154.
- d) Total exports shall not exceed 5 000 GWh less any amounts under EPE-153.
- e) Total exports shall not exceed; 350 GWh in 2000 and 2009; 526 GWh annually during the period 2001 through 2008 263 GWh in 2010 and 2011 and 88 GWh in 2012
- f) Total exports shall not exceed 500 GWh commencing on 1 June for the years 2000 and 2004 through 2009; 750 GWh commencing on 1 June for the years 2001 and 2003; 1 000 GWh commencing 1 June 2002.
- g) Quantity of power shall not exceed 150 MW except in the years 2001-2003 when it shall not exceed 350 MW.
- h) Total exports shall not exceed 500 GWh commencing on 1 June for the years 2000 and 2004 through 2009; 750 GWh commencing on 1 June for the years 2001 and 2003; 1 000 GWh commencing 1 June 2002.
- i) Total exports shall not exceed 6 310 GWh less any amounts under EPE-161.
- j) Total exports shall not exceed 876 GWh less any amounts under EPE-164.
- k) Total exports shall not exceed 8 760 GWh less any amounts under EPE-166.
- l) Total exports shall not exceed 8 760 GWh less any amounts under EPE-168.

E6. ELECTRICITY EXPORTS - 2000 (Megawatt Hours)

Exporter	Permit/ Licence Number	Permit/Licence Limit		Gross Energy Exported			Value of Export (\$)	
		Firm	Interruptible	Firm	Interruptible	Exchange ^(a)	Firm	Interruptible
NEW BRUNSWICK								
Fraser Paper Inc. (Canada)	EPE-147	400 000	--	339 810	--	--	22,862,234	--
New Brunswick Power Corporation	EPE-15*	--	6 482 400 ^(b)	--	500	6 386	--	155,937
	EPE-16*	--	400 000	--	247 505	(2 119)	--	12,944,847
	EPE-17	250 000	--	--	--	56 413	--	--
	EPE-18*	--	179 000	--	11 153	(1 134)	--	735,320
	EPE-28	1 000	--	60	--	--	6,445	--
	EPE-47	175 200	--	81 813	--	--	4,675,955	--
	EPE-48	--	32 000	--	--	--	--	--
	EPE-90	6 482 000 ^(c)	--	51 119	--	(6 636)	2,729,640	--
EPE-91	--	6 482 000 ^(d)	--	3 530 540	594	--	204,539,861	
PDI Canada Inc.	EL-177	200 000	--	90 042	--	--	3,840,525	--
TOTAL				562 844	3 789 698	53 504	34,114,799	218,375,965
NOVA SCOTIA								
Nova Scotia Power Inc.	EPE-122	--	1 200 000 ^(e)	--	--	--	--	--
	EPE-123	1 200 000 ^(f)	--	--	--	--	--	--
TOTAL				0	0	0	0	0
QUEBEC								
Hydro-Québec	EL-151	--	11 000 000	--	--	--	--	--
	EL-156	25 000	--	--	--	--	--	--
	EL-165	--	3 000 000	--	--	--	--	--
	EL-166	--	4 000 000	--	--	--	--	--
	EL-176	9 000 000	--	4 304 972	--	--	133,473,270	--
	EL-180	1 402 000	--	1 086 631	--	--	106,869,764	--
	EL-181	400 000	--	197 646	--	--	19,588,470	--
	EL-182	406 000	--	169 247	--	--	15,999,679	--
	EL-183	540 000	--	275 383	--	--	28,195,605	--
	EL-184	273 000	--	163 376	--	--	16,192,342	--
	EPE-20	18 922	--	1 213	--	--	87,420	--
	EPE-64	--	30 000 000 ^(g)	11 028 915	471 062	--	613,951,298	--
	EPE-65	20 000 000 ^(h)	--	2 533 631	--	--	104,687,369	--

E6. ELECTRICITY EXPORTS - 2000 (Megawatt Hours)

Exporter	Permit/ Licence Number	Permit/Licence Limit		Gross Energy Exported			Value of Export ⁽⁹⁾	
		Firm	Interruptible	Firm	Interruptible	Exchange ^(a)	Firm	Interruptible
Energie Maclaren Inc.	EPE-111	--	8 760 000 ^(b)	--	--	--	--	--
	EPE-112	8 760 000	--	--	--	--	--	--
James Maclaren Industries Inc.	EPE-111	--	8 760 000 ^(b)	--	163 715	--	--	8,821,338
	EPE-112	8 760 000	--	61 535	--	--	4,128,546	--
Great Lakes Power Inc.	EPE-111	--	8 760 000 ^(b)	--	21 159	--	--	713,447
	EPE-112	8 760 000	--	--	--	--	--	--
Marketing D'Énergie HQ Inc.	EPE-129	--	30 000 000 ^(b)	--	225 321	--	--	14,736,431
	EPE-130	30 000 000 ^(b)	--	--	--	--	--	--
Montwegan International Energia Resorce Inc.	EPE-108	--	8 760 000 ^(b)	--	--	--	--	--
	EPE-109	8 760 000 ^(m)	--	--	--	--	--	--
Tractebel Energy Marketing Inc.	EPE-86	--	8 760 000 ^(b)	--	--	--	--	--
	EPE-87	8 760 000	--	--	--	--	--	--
TOTAL				8 793 634	11 439 110	471 062	429,222,465	638,222,514
ONTARIO								
Canadian Niagara Power Company Limited	EPE-84	656 000	--	360 762	--	--	15,332,754	--
	EPE-85*	250 000	--	--	--	--	--	--
	EPE-149	250 000 000 ^(b)	--	--	--	--	--	--
The Canadian Transit Company	EPE-150	--	250 000 000 ^(b)	--	--	--	--	--
	EPE-29	50	--	--	--	--	--	--
Cornwall Electric	EPE-82*	--	45 000	--	--	--	--	--
	EPE-83*	250 000	--	--	--	--	--	--
Destec Power Services, Inc.	EPE-80	--	1 200 000 ^(b)	--	--	--	--	--
	EPE-81	1 200 000	--	--	--	--	--	--
The Detroit and Windsor Subway Company	EPE-26	4 000	--	1 870	--	--	--	--
Ontario Hydro	EPE-22	--	10 000 000	--	--	--	--	--
	EPE-24	15 000	--	--	--	--	--	--
	EPE-25	200	--	--	--	--	--	--
	EPE-110	⁽ⁱ⁾	--	--	--	--	--	--
Ontario Hydro and Ontario Hydro Interconnected Markets Inc.	EPE-21	--	25 000 000	--	--	--	--	--
Ontario Power Generation Inc. and Ontario Hydro Interconnected Markets Inc.	EPE-21	--	25 000 000	--	3 961 664	101 265	--	272,610,534
Independent Electricity Market Operator	EPE-22	--	10 000 000	--	--	1 342 129	--	--
Ontario Power Generation Inc.	EPE-24	15 000	--	186	--	--	372	--
	EPE-110	⁽ⁱ⁾	--	--	--	--	--	--
Ontario Hydro Company Services Inc.	EPE-25	200	--	--	--	--	--	--
Ontario Hydro Networks Company Inc.	EPE-25	200	--	--	--	--	--	--
Stone-Consolidated Corporation	EPE-75	--	175 000	--	--	--	--	--
St. Clair Tunnel Company	EPE-70	6	--	--	--	--	--	--
TOTAL				362 818	3 961 664	1 443 394	15,333,126	272,610,534

E6. ELECTRICITY EXPORTS - 2000 (Megawatt Hours)

Exporter	Permit/ Licence Number	Permit/Licence Limit		Gross Energy Exported			Value of Export ⁽⁹⁾	
		Firm	Interruptible	Firm	Interruptible	Exchange ^(a)	Firm	Interruptible
MANITOBA								
Manitoba Hydro	EL-170	3 405 000	--	3 337 178	--	--	174,520,413	--
	EPE-33	883 000	--	168 653	--	--	4,470,562	--
	EPE-34	663 000	--	147 473	--	--	9,620,849	--
	EPE-35	663 000	--	443 885	--	--	21,828,711	--
	EPE-45	16 650 000 ⁽³⁾	--	645 472	--	--	51,016,709	--
	EPE-46	--	16 650 000 ⁽³⁾	--	3 881 834	(517 710)	--	148,929,927
	EPE-52	199 000	--	107 635	--	--	4,276,243	--
	EPE-68	438 000	--	155 240	--	--	6,982,159	--
	EPE-72	20	--	6	--	--	830	--
	EPE-128	26 780	--	5 346	--	--	287,755	--
	EPE-144	292 000 ⁽⁴⁾	--	168 688	--	--	9,794,410	--
	EPE-155	350 000 ⁽⁵⁾	--	241 295	--	--	12,608,058	--
British Columbia Power Exchange Corp.	EPE-116	--	40 000 000 ⁽⁶⁾	--	400	--	--	9,100
TOTAL				5 420 871	3 882 234	(517 710)	295,406,699	148,939,027
SASKATCHEWAN								
Saskatchewan Power Corporation	EL-118	438 000 ⁽⁴⁾	--	--	--	--	--	--
	EL-119	--	876 000 ⁽⁵⁾	--	1 200	(113 920)	--	60,922
	EL-120	876 000	--	--	--	--	--	--
	EPE-88	--	7 008 000 ⁽⁶⁾	--	--	--	--	--
	EPE-89	7 008 000 ⁽²⁾	--	227 075	--	--	17,607,699	--
British Columbia Power Exchange Corp.	EPE-116	--	40 000 000 ⁽⁶⁾	--	504	--	--	30,619
TOTAL				227 075	1 704	(113 920)	17,607,699	91,541
ALBERTA								
Atco Electric Ltd. And	EPE-93	--	10 600 000 ^(8a)	--	--	--	--	--
Atco Power Ltd.	EPE-94	10 600 000 ^(8b)	--	--	--	--	--	--
Aquila Canada Corp.	EPE-114	--	5 000 000	--	10 660	--	--	779,366
	EPE-115	5 000 000	--	--	--	--	--	--
Candela Energy Corporation	EPE-165	--	8 760 000 ^(8c)	--	--	--	--	--
	EPE-166	8 760 000	--	--	--	--	--	--
Chandler Energy Inc.	EPE-100	--	500 000 ^(8d)	--	--	--	--	--
	EPE-101	500 000 ^(8e)	--	--	--	--	--	--
CMS Marketing, Services and Trading	EPE-161	--	6 310 000	--	--	--	--	--
	EPE-162	1 752 000 ^(8f)	--	--	--	--	--	--
Constellation Power Source Inc.	EPE-138	--	1 752 000	--	--	--	--	--
	EPE-139	5 256 000 ^(8g)	--	--	--	--	--	--
Duke Energy Marketing Canada Ltd.	EPE-135	--	2 000 000 ^(8h)	--	--	--	--	--
	EPE-136	2 000 000 ⁽⁹⁾	--	--	--	--	--	--
Edison Mission Marketing & Trading Inc.	EPE-120	--	432 000	--	--	--	--	--
	EPE-121	2 160 000	--	--	--	--	--	--
Enmax Energy Corporation	EPE-169	--	8 760 000	--	--	--	--	--
	EPE-170	3 504 000	--	--	--	--	--	--
Engage Energy Canada, L.P.	EPE-96	--	3 000 000 ^(8j)	--	--	--	--	--
	EPE-97	3 000 000 ^(8k)	--	--	--	--	--	--
Engage Energy US L.P.	EPE-151	--	2 234 000	--	--	--	--	--
	EPE-152	7 508 000	--	--	--	--	--	--
Enron Capital & Trade Resources Canada Corp.	EPE-98	--	5 000 000 ^(8l)	--	--	--	--	--
	EPE-99	5 000 000 ^(8m)	--	205	--	--	18,113	--
Entergy Power Marketing Corporation	EPE-153	--	5 000 000 ⁽⁸ⁿ⁾	--	--	--	--	--
	EPE-154	5 000 000 ^(8o)	--	--	--	--	--	--
IdahoPower Company	EPE-163	--	876 000 ^(8p)	--	--	--	--	--
	EPE-164	876 000	--	--	--	--	--	--

E6. ELECTRICITY EXPORTS - 2000 (Megawatt Hours)

Exporter	Permit/ Licence Number	Permit/Licence Limit		Gross Energy Exported			Value of Export ⁽⁶⁾	
		Firm	Interruptible	Firm	Interruptible	Exchange ^(a)	Firm	Interruptible
PG&E Energy Trading - Power L.P.	EPE-145	--	5 000 000	--	--	--	--	--
	EPE-146	5 000 000	--	--	--	--	--	--
Sempra Energy Trading Co.	EPE-156	--	8 760 000					
	EPE-157	8 300 000	--					
Sonat Power Marketing Inc. and Sonat Power Marketing L.P.	EPE-103	--	3 500 000 ^(ss)	--	--	--	--	--
	EPE-104	3 500 000 ^(rr)	--	--	--	--	--	--
Southern Company Energy Marketing L.P.	EPE-142	--	3 000 000	--	--	--	--	--
	EPE-143	2 000 000	--	--	--	--	--	--
TransAlta Energy Marketing Corp.	EPE-73*	--	8 760 000 ^(ss)	--	--	--	--	--
	EPE-74*	8 760 000	--	--	78 636	--	3,582,752	--
	EPE-167	--	8 760 000 ^(tt)					
	EPE-168	8 760 000	--	5 403	--	--	817,740	--
TransCanada Power Corp. ^(uu)	EPE-78	--	2 000 000	--	32 302	--	--	3,852,807
	EPE-79	1 000 000	--	--	--	--	--	--
TOTAL				5 608	121 598	0	4,418,605	4,632,173
BRITISH COLUMBIA								
Bonneville Power Authority	EPE-140	--	^(vv)	--	--	--	--	--
	EPE-141	^(www)	--	--	--	--	--	--
British Columbia Hydro and Power Authority	EPE-105	1 410	--	1 247	--	(77 804)	95,002	--
	EPE-124	--	^(yy)	--	--	--	--	--
	EPE-125	--	^(zz)	--	--	--	--	--
	EPE-126	--	^(aaa)	--	--	--	--	--
	EPE-127	--	^(bbb)	--	--	--	--	--
British Columbia Power Exchange Corp. (Powerex)	EPE-71	25 951	--	--	--	--	--	--
	EPE-92*	770 000 ^(ccc)	--	419 405	--	--	--	--
	EPE-95*	176 000	--	117 875	--	--	4,123,041	--
	EPE-116	--	40 000 000 ^(d)	--	--	--	--	--
	EPE-117	20 000 000	--	--	--	--	--	--
	EPE-118	--	27 000 000 ^(ddd)	--	7 618 601	--	--	1,257,224,720
Powerex Corp	EPE-118				1 771 181			724,612,719
	EPE-119	15 000 000	--	12 872	--	--	342,241	--
Columbia Power Corporation	EPE-158	--	500 000 ^(eee)					
	EPE-159	500 000 ^(fff)	--					
	EPE-160	200 000	--					
Cominco Ltd.	EPE-131	--	1 000 000 ^(ggg)	--	--	--	--	--
	EPE-132	1 000 000	--	5 426	--	--	211,586	--
	EPE-133	--	50 000	--	--	--	--	--
	EPE-134	250 000	--	--	--	--	--	--
Inland Pacific Energy Services Ltd.	EPE-106	--	2 000 000 ^(hhh)	--	--	--	--	--
	EPE-107	2 000 000 ⁽ⁱⁱⁱ⁾	--	--	--	--	--	--
West Kootenay Power Ltd.	EPE-13	50	--	12	--	--	1,330	--
TOTAL				556 837	9 389 782	(77 804)	4,773,200	1,981,837,439
TOTAL CANADA^(jjj)				15 929 687	32 585 790	1 258 526	800,876,593	3,264,709,193

* Expired during 2000.

- a) Exchange includes inadvertent and circulating flow, equichange, storage, adjustment transfer, and wheeling or carrier transfer which normally do not have associated revenue.
- b) Total exports shall not exceed 6 482.4 GW.h less any amounts exported pursuant to another licence or order under which the energy is transmitted over the line authorized by Certificate EC-III-8.
- c) Total exports shall not exceed 6 482 GW.h less any amounts under any other electricity export authorization issued to NB Power.
- d) Total exports shall not exceed 6 482 GW.h less any amounts under any other electricity export authorization issued to NB Power.
- e) Total exports shall not exceed 1 200 GW.h less any amounts exported under Permit EPE-123.
- f) Total exports shall not exceed 1 200 GW.h less any amounts exported under Permit EPE-122.

- g) Total exports shall not exceed 30 000 GW.h less any amounts exported under Permit EPE-65.
- h) Total exports shall not exceed 20 000 GW.h less any amount exported under any other electricity export authorization issued to Hydro-Québec except EPE-64.
- i) Total exports shall not exceed 8 760 GW.h less any amounts exported under Permit EPE-112.
- j) Total exports shall not exceed 30 TW.h less any amounts exported under Permit EPE-130.
- k) Total exports shall not exceed 30 TW.h less any amounts exported under Permit EPE-129.
- l) Total exports shall not exceed 8 760 GW.h less any amounts exported under Permit EPE-109.
- m) Total exports shall not exceed 8 760 GW.h less any amounts exported under Permit EPE-108.
- n) Total exports shall not exceed 8 760 GW.h less any amount exported under under EPE-87.
- o) Total exports shall not exceed 250 000 GW.h less any amounts under EPE-150.
- p) Total exports shall not exceed 250 000 GW.h less any amounts under EPE-149.
- q) Total exports shall not exceed 1 200 GW.h less any amount exported under under EPE-81.
- r) Quantity included under EPE-21.
- s) Total exports shall not exceed 16 650 GW.h less any amount exported under any other electricity export authorization except border accommodations issued to Manitoba Hydro.
- t) Total exports under EPE-46 shall not exceed 16 650 GW.h less any amount exported under any other electricity export authorization except border accommodations issued to Manitoba Hydro.
- u) Total exports under EPE-144 must not exceed 292 GW.h from 1 May 2000 to 31 December 2000, 438 GW.h annually during period 1 January 2001 to 31 December 2009, and 146 GW.h during period 1 January 2010 to 30 April 2010.
- v) Total exports shall not exceed: 350 GW.h in 2000 and 2009; 526 GW.h annually during the period 2001 through 2008 263 GW.h in 2010 and 2011 and 88 GW.h in 2012.
- w) Total exports shall not exceed 40 000 GW.h less any amounts exported under Permits EPE-117.
- x) Energy to be returned.
- y) Total exports under Licences EL-119 and EL-120 shall not exceed 876 GW.h. when combined together.
- z) Total exports shall not exceed 7 008 GW.h less any amounts exported under any other electricity authorization except border accommodations issued to Saskpower.
- aa) Total exports shall not exceed 10 600 GW.h less any amount exported under under EPE-94.
- bb) Total exports shall not exceed 10 600 GW.h less any amount exported under under EPE-93.
- cc) Total exports shall not exceed 8 760 GW.h less any amount exported under under EPE-166.
- dd) Total exports shall not exceed 500 GW.h less any amount exported under under EPE-101.
- ee) Total exports shall not exceed 500 GW.h less any amount exported under under EPE-100.
- ff) Total exports shall not exceed 6 310 GW.h less any amounts under EPE-162.
- gg) Total exports shall not exceed 5 256 GW.h less any amount in excess of 876 GW.h exported under under EPE-138.
- hh) Total exports shall not exceed 2 000 GW.h less any amount exported under under EPE-136.
- ii) Total exports shall not exceed 2 000 GW.h less any amount exported under under EPE-135.
- jj) Total exports shall not exceed 3 000 GW.h less any amount exported under under EPE-97.
- kk) Total exports shall not exceed 3 000 GW.h less any amount exported under under EPE-96.
- ll) Total exports shall not exceed 5 000 GW.h less any amount exported under under EPE-99.
- mm) Total exports shall not exceed 5 000 GW.h less any amount exported under under EPE-98.
- nn) Total exports shall not exceed 5 000 GW.h less any amounts under EPE-154.
- oo) Total exports shall not exceed 5 000 GW.h less any amounts under EPE-153.
- pp) Total exports shall not exceed 876 GW.h less any amounts under EPE-164.
- qq) Total exports shall not exceed 3 500 GW.h less any amount exported under under EPE-104.
- rr) Total exports shall not exceed 3 500 GW.h less any amount exported under under EPE-103.
- ss) Total exports shall not exceed 8 760 GW.h less any amount exported under under EPE-74.
- tt) Total exports shall not exceed 8 760 GW.h less any amounts under EPE-168.
- uu) Formerly TransCanada Energy Ltd.
- vv) Total exports shall not exceed the maximum transfer limits of the international power lines of BC Hydro and Cominco.
- ww) Total exports shall not exceed the maximum transfer limits of the international power lines of BC Hydro and Cominco.
- xx) Energy exported in accordance with the Skagit River Valley Treaty which is not under the Board's jurisdiction.
- yy) Total exports shall not exceed the maximum transfer limits of the international power lines less the amount of energy exported under Permits EPE-125, EPE-126 and EPE-127.
- zz) Total exports shall not exceed the maximum transfer limits of the international power lines less the amount of energy exported under Permits EPE-124, EPE-126 and EPE-127.
- aaa) Total exports shall not exceed the maximum transfer limits of the international power lines less the amount of energy exported under Permits EPE-124, EPE-125 and EPE-127.
- bbb) Total exports shall not exceed the maximum transfer limits of the international power lines less the amount of energy exported under Permits EPE-124, EPE-125 and EPE-126.
- ccc) Total exports shall not exceed 340 GW.h during first contract year and 770 GW.h in the following four contract years.
- ddd) Total exports shall not exceed 6 000 GW.h less any amounts exported under Permits EPE-119.
- eee) Total exports shall not exceed 500 GW.h commencing on 1 June for the years 2000 and 2004 through 2009; 750 GW.h commencing on 1 June for the years 2001 and 2003; 1 000 GW.h commencing 1 June 2002.
- fff) Total exports shall not exceed 500 GW.h commencing on 1 June for the years 2000 and 2004 through 2009; 750 GW.h commencing on 1 June for the years 2001 and 2003; 1 000 GW.h commencing 1 June 2002.
- ggg) Total exports shall not exceed 1 000 GW.h less any amounts exported under Permits EPE-132.
- hhh) Total exports shall not exceed 2 000 GW.h less any amounts exported under Permits EPE-107.
- iii) Total exports shall not exceed 2 000 GW.h less any amounts exported under Permits EPE-106.
- jjj) Excludes \$6,159,977 revenue for wheeling, transmission, unit rental and storage transfer charges.

E7. ELECTRICITY TRADE BETWEEN CANADA AND THE UNITED STATES - 2000

(By Province)

Province	Region/State	Export ^(b)	Import ^(c)	Net Export ^{(b) - (c)}
New Brunswick	Maine	4,353	18	4,334
Total New Brunswick		4,353	18	4,334
Quebec	Maine	225	1	225
	Vermont	2,332	707	1,625
	New England ^(d)	7,634	2,174	5,460
	New York	10,041	1,072	8,969
Total Quebec		20,233	3,953	16,280
Ontario	New York	622	221	401
	Michigan	1,329	1,656	(327)
	New England ^(d)	1,956	1,956	
	Minnesota	417	2	415
Total Ontario		4,324	1,879	2,445
Manitoba		9,303	716	
Total Manitoba		9,303	716	8,587
Saskatchewan	North Dakota	229	697	(468)
Total Saskatchewan		229	697	(468)
Alberta	California			
	Minnesota	2		2
	Montana		3	(3)
	North Dakota	2		
	Oregon	2	27	(25)
	Washington	119	145	(26)
Total Alberta		126	175	(50)
British Columbia	California	1,699		1,699
	Colorado	11		11
	Montana	70		70
	Oregon	178		178
	Other ^(e)	164	1	163
	South Dakota	13		13
	Washington	7,814	5,245	2,569
Total British Columbia		9,948	5,246	4,702
TOTAL		48,515	12,684	35,830

a) Sales and purchases only; excludes exchanges.

b) Sales to the United States.

c) Purchases from the United States.

d) Trade with the New England Power Pool and Massachusetts- quantities to each state cannot be accurately determined.

e) Includes Alaska, Arizona, Idaho, and Utah.

E8. ELECTRICITY TRADE BETWEEN THE UNITED STATES AND CANADA - 2000

(By American Region / State)

Province	Region/State	Export^(b)	Import^(c)	Net Export^{(b) - (c)}
New England				
Maine	New Brunswick	4,353	18	4,334
	Quebec	225	1	225
Vermont	Quebec	2,332	707	1,625
New England ^(d)	Quebec	7,634	2,174	5,460
	Ontario	1,956		1,956
Total New England		16,500	2,900	13,600
New York				
New York	Quebec	10,041	1,072	8,969
	Ontario	622	221	401
Total New York		10,663	1,293	9,370
Michigan				
Michigan	Ontario	1,329	1,656	(327)
Total Michigan		1,329	1,656	(327)
Midwest				
Minnesota	Alberta	2		2
	Ontario	417	2	415
ND/Minn	Manitoba	9,303	716	8,587
North Dakota	Alberta	2	2	
	Saskatchewan	229	697	(468)
South Dakota	British Columbia	13		13
Total Midwest		9,965	1,415	(8,551)
Western				
California	Alberta			
	British Columbia	1,699		1,699
Colorado	British Columbia	11		11
Montana	Alberta		3	(3)
	British Columbia	70		70
Oregon	Alberta	2	27	(25)
	British Columbia	178		178
Other ^(f)	Alberta/British Columbia	164	1	163
Washington	Alberta	119	145	(26)
	British Columbia	7,814	5,245	2,569
Total Western		10,057	5,421	4,636
TOTAL		48,515	12,684	(35,830)

Notes:

- a) Sales and purchases only; excludes exchanges.
- b) Purchases from Canada.
- c) Sales to Canada.
- d) Trade with the New England Power Pool - quantities to each state cannot be accurately determined.
- e) Includes Iowa, Kansas, Maryland, Missouri, Montana (Manitoba & Saskatchewan) and Nebraska.
- f) Includes Alaska, Arizona, Idaho and New Mexico.

METRIC CONVERSION TABLE

The Board uses the International System of Units. The energy content of a 30-litre tank of gasoline is approximately one gigajoule. A petajoule is one million gigajoules. On average, Canada consumes about one petajoule of energy for all uses (heat, light and transportation) every 50 minutes.

The following conversion table is provided for the convenience of readers who may be more familiar with the Imperial System.

Approximate Conversion Factor

metre	=	3.28 feet
kilometre	=	0.62 mile
hectare	=	2.47 acres
cubic metre of oil	=	6.3 barrels
cubic metre of natural gas	=	35.3 cubic feet
gigajoule	=	0.95 thousand cubic feet of natural gas at 1 000 Btu per cubic foot or 0.165 barrels of oil, or 0.28 megawatt hours of electricity
gigajoule	=	10 ⁹ joules
petajoule	=	10 ¹⁵ joules
gigawatt hour	=	10 ⁶ kilowatt hours
terawatt hour	=	10 ⁹ kilowatt hours



Canada