



National Energy  
Board

Office national  
de l'énergie

# Canadian Canadian Energy Canadian Energy Energy

SUPPLY AND DEMAND to 2025

Appendices

# National Energy Board

## Canadian Energy - Supply and Demand to 2025

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	1995	1996	1997	2000	2005	2010	2015	2020	2025
World Oil Price									
WTI (US\$[1997]/bbl)[1]	19.38	22.67	20.60	18.00	18.00	18.00	18.00	18.00	18.00
Light Crude Oil at Edmonton (Cdn\$[1997]/m3)	156.24	196.52	182.78	161.14	156.52	153.29	150.98	147.69	141.78
Consumer Price Index (1997=1.0)	0.97	0.99	1.00	1.06	1.16	1.28	1.42	1.57	1.77
Prime interest rate (percent)	8.7	6.1	5.0	6.6	6.3	6.3	6.3	6.3	6.3
Cdn\$ in U.S. funds	0.73	0.73	0.72	0.71	0.74	0.76	0.77	0.78	0.79
Population (thousand)	29615	29962	30282	31180	32586	34035	35632	37396	39261
under 15 years	5984	5994	5997	5963	5837	5690	5746	5932	6161
15 to 64 years	20072	20325	20565	21297	22485	23533	24161	24689	25116
65 years and over	3559	3642	3721	3920	4265	4812	5725	6775	7984
Total GDP (million\$[1986])[2]	542005	548749	570349	632870	717683	791168	881752	980872	1071653
Commercial GDP	261560	265056	273065	297456	330207	360466	392096	422854	448851
Industrial GDP	156445	156589	165457	189121	216017	231858	258410	288995	314809
Labour Force (thousand)	14928	15145	15338	16062	17209	18223	18843	19229	19695
Employment (thousand)	13506	13677	13941	14912	15895	16612	17247	17810	18215
Unemployment rate (percent)	9.5	9.7	9.1	7.2	7.6	8.8	8.5	7.4	7.5
Households (thousand)	11243	11411	11553	12018	12871	13803	14888	16126	17537
PDI (thousand\$[1986]) [3]	13.2	13.0	12.9	13.6	15.0	16.0	16.7	17.3	17.5

[1] West Texas Intermediate crude oil price at Cushing, Oklahoma.

[2] The sum of the commercial GDP and industrial GDP used by the NEB in its energy projections is less than total GDP. A number of activities are excluded from the NEB definitions either because the value of goods and services provided is not directly associated with energy consumption (e.g., broadcasting and telecommunications) or, the energy consumption is captured in other sectors (e.g., transportation).

[3] Personal disposable income.

Source: Informetrica Limited, Statistics Canada, NEB

Table A2.2a: Economic Indicators, Newfoundland and Prince Edward Island

<b>Newfoundland and Labrador</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	577	571	563	559	573	589	602	613	623
under 15 years	115	111	107	101	95	91	89	89	89
15 to 64 years	402	399	395	394	409	422	424	422	417
65 years and over	59	60	61	64	68	76	89	102	117
Total GDP (million\$[1986])[1]	6519	6426	6495	8026	9561	10520	11094	11908	12753
Commercial GDP	3413	3329	3295	3453	3689	3954	4157	4335	4477
Industrial GDP	1260	1231	1258	2310	3118	3382	3340	3473	3623
Labour Force (thousand)	242	236	236	245	256	270	270	267	265
Employment (thousand)	197	191	193	208	218	228	224	224	225
Unemployment rate (percent)	18.3	19.4	18.6	15.1	14.7	15.5	16.9	16.0	15.3
Households (thousand)	194	191	198	198	206	216	227	236	244
PDI (thousand\$[1986]) [2]	11.3	11.0	10.8	11.6	12.7	13.5	13.7	13.9	13.9
<b>Prince Edward Island</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	136	137	137	139	141	143	145	147	148
under 15 years	29	29	29	28	26	24	23	22	21
15 to 64 years	89	90	91	92	95	97	97	96	94
65 years and over	18	18	18	18	19	21	25	28	32
Total GDP (million\$[1986])[1]	1837	1910	1936	2078	2288	2499	2713	2941	3155
Commercial GDP	959	1016	1022	1071	1155	1222	1290	1349	1391
Industrial GDP	316	312	315	348	376	414	444	476	501
Labour Force (thousand)	69	70	71	72	76	79	80	80	79
Employment (thousand)	59	61	61	64	67	70	71	71	71
Unemployment rate (percent)	14.7	14.7	14.9	11.3	11.6	12.0	11.9	10.9	10.4
Households (thousand)	50	49	51	52	53	55	57	59	60
PDI (thousand\$[1986]) [2]	11.2	11.4	11.4	11.4	12.5	13.5	14.2	14.6	14.8

[1] The sum of the commercial GDP and industrial GDP used by the NEB in its energy projections is less than total GDP. A number of activities are excluded from the NEB definitions either because the value of goods and services provided is not directly associated with energy consumption (e.g., broadcasting and telecommunications) or, the energy consumption is captured in other sectors (e.g., transportation).

[2] Personal disposable income.

Source: Inmetrica Limited, Statistics Canada, NEB

Table A2.2b: Economic Indicators, Nova Scotia and New Brunswick

<b>Nova Scotia</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	938	942	947	951	972	992	1010	1028	1045
under 15 years	184	183	182	177	166	155	149	147	145
15 to 64 years	635	639	643	649	672	689	689	684	675
65 years and over	119	121	122	125	134	148	171	197	225
Total GDP (million\$[1986])[1]	13210	13292	13539	14706	16308	17913	19547	21356	23115
Commercial GDP	7082	7309	7276	7659	8218	8773	9255	9694	10030
Industrial GDP	2740	2522	2647	3035	3388	3638	3921	4257	4538
Labour Force (thousand)	437	441	446	462	487	507	514	516	518
Employment (thousand)	384	386	395	420	438	455	462	468	470
Unemployment rate (percent)	12.1	12.7	12.2	9.0	10.1	10.3	10.2	9.3	9.2
Households (thousand)	357	357	363	367	382	399	412	427	441
PDI (thousand\$[1986]) [2]	11.4	11.3	11.0	11.4	12.4	13.3	13.7	14.0	13.9
<b>New Brunswick</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	760	762	762	768	781	795	812	827	838
under 15 years	148	146	144	140	132	123	119	117	114
15 to 64 years	517	520	521	527	543	554	557	553	545
65 years and over	94	96	97	100	106	117	136	157	179
Total GDP (million\$[1986])[1]	10666	10922	10967	11821	13009	14080	15346	16256	17165
Commercial GDP	5174	5297	5254	5588	6029	6430	6812	7108	7326
Industrial GDP	2667	2704	2690	2905	3148	3323	3657	3751	3946
Labour Force (thousand)	354	354	362	375	392	405	414	412	412
Employment (thousand)	314	314	317	334	349	360	372	371	373
Unemployment rate (percent)	11.5	11.7	12.7	10.9	11.0	11.3	10.3	9.9	9.4
Households (thousand)	286	285	284	288	299	310	323	334	343
PDI (thousand\$[1986]) [2]	11.3	11.3	11.1	11.7	12.8	13.8	14.5	15.0	15.4

[1] The sum of the commercial GDP and industrial GDP used by the NEB in its energy projections is less than total GDP. A number of activities are excluded from the NEB definitions either because the value of goods and services provided is not directly associated with energy consumption (e.g., broadcasting and telecommunications) or, the energy consumption is captured in other sectors (e.g., transportation).

[2] Personal disposable income.

Source: Inmetrica Limited, Statistics Canada, NEB



Table A2.2c: Economic Indicators, Québec and Ontario

<b>Québec</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	7343	7388	7421	7548	7835	8125	8410	8703	8994
under 15 years	1402	1390	1378	1352	1297	1239	1224	1234	1249
15 to 64 years	5068	5104	5127	5243	5506	5729	5823	5876	5892
65 years and over	873	894	916	953	1031	1157	1364	1594	1852
Total GDP (million\$[1986])[1]	118482	119788	123140	136101	152745	167316	184452	203075	219311
Commercial GDP	60954	62120	63332	68297	74846	80763	86436	91558	95284
Industrial GDP	33128	32852	33805	39027	44322	47715	52995	59626	65338
Labour Force (thousand)	3612	3643	3676	3813	4054	4256	4355	4396	4439
Employment (thousand)	3204	3213	3259	3465	3671	3805	3916	4006	4052
Unemployment rate (percent)	11.3	11.8	11.3	9.1	9.5	10.6	10.1	8.9	8.7
Households (thousand)	2937	2995	3054	3134	3315	3516	3737	3976	4231
PDI (thousand\$[1986]) [2]	12.1	11.9	11.8	12.4	13.4	14.1	14.6	14.8	14.8
<b>Ontario</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	11097	11256	11407	11859	12469	13118	13925	14843	15836
under 15 years	2236	2255	2271	2280	2263	2238	2297	2413	2551
15 to 64 years	7518	7622	7725	8077	8565	9018	9383	9732	10054
65 years and over	1344	1379	1411	1502	1641	1863	2246	2698	3230
Total GDP (million\$[1986])[1]	212802	215033	225019	252740	290174	324145	366347	413877	458109
Commercial GDP	105870	107347	111500	123261	138695	153265	169412	186001	200685
Industrial GDP	66103	65731	69973	80888	93603	102814	116439	132278	145574
Labour Force (thousand)	5732	5839	5909	6232	6718	7159	7495	7746	8045
Employment (thousand)	5231	5302	5410	5853	6287	6639	6959	7252	7493
Unemployment rate (percent)	8.7	9.3	8.5	6.1	6.5	7.3	7.2	6.4	6.9
Households (thousand)	4143	4192	4216	4436	4792	5191	5710	6319	7030
PDI (thousand\$[1986]) [2]	13.5	13.2	13.2	14.0	15.5	16.7	17.3	17.6	17.5

[1] The sum of the commercial GDP and industrial GDP used by the NEB in its energy projections is less than total GDP. A number of activities are excluded from the NEB definitions either because the value of goods and services provided is not directly associated with energy consumption (e.g., broadcasting and telecommunications) or, the energy consumption is captured in other sectors (e.g., transportation).

[2] Personal disposable income.

Source: Inmetrica Limited, Statistics Canada, NEB

Table A2.2d: Economic Indicators, Manitoba and Saskatchewan

<b>Manitoba</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	1137	1141	1146	1186	1242	1299	1349	1400	1448
under 15 years	246	246	246	243	239	235	237	244	251
15 to 64 years	737	740	744	777	822	860	872	877	875
65 years and over	154	155	156	166	181	204	240	279	323
Total GDP (million\$[1986])[1]	18208	18643	19261	21358	23906	26927	29835	32221	34712
Commercial GDP	9362	9541	9767	10719	11806	13144	14307	14999	15741
Industrial GDP	3492	3607	3856	4486	5051	5630	6298	6698	7254
Labour Force (thousand)	563	568	576	600	643	683	699	704	709
Employment (thousand)	521	527	540	574	604	639	659	661	667
Unemployment rate (percent)	7.5	7.5	6.5	4.2	6.2	6.5	5.8	6.1	6.0
Households (thousand)	419	424	428	447	478	512	545	578	612
PDI (thousand\$[1986]) [2]	12.1	12.3	11.9	12.5	13.6	14.7	15.3	15.4	15.4
<b>Saskatchewan</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	1017	1021	1025	1058	1108	1156	1206	1255	1300
under 15 years	235	233	231	228	225	223	226	233	239
15 to 64 years	634	639	644	671	710	739	751	756	753
65 years and over	147	149	150	159	173	194	229	266	308
Total GDP (million\$[1986])[1]	18311	18985	19930	22248	24860	27825	30565	33614	36615
Commercial GDP	7790	7926	8233	9013	9887	10861	11600	12231	12732
Industrial GDP	4496	4786	5370	6128	6675	7328	7652	8001	8447
Labour Force (thousand)	494	494	504	525	565	600	619	627	635
Employment (thousand)	460	462	475	505	533	564	578	588	592
Unemployment rate (percent)	6.9	6.6	5.9	3.9	5.7	6.0	6.6	6.2	6.7
Households (thousand)	385	382	391	406	434	463	494	526	557
PDI (thousand\$[1986]) [2]	11.2	12.2	11.2	12.1	13.1	14.0	14.3	14.4	14.3

[1] The sum of the commercial GDP and industrial GDP used by the NEB in its energy projections is less than total GDP. A number of activities are excluded from the NEB definitions either because the value of goods and services provided is not directly associated with energy consumption (e.g., broadcasting and telecommunications) or, the energy consumption is captured in other sectors (e.g., transportation).

[2] Personal disposable income.

Source: Inmetrica Limited, Statistics Canada, NEB

Table A2.2e: Economic Indicators, Alberta, British Columbia and Territories

<b>Alberta</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	2752	2792	2846	3028	3171	3318	3482	3659	3845
under 15 years	626	626	628	628	623	616	629	656	688
15 to 64 years	1860	1891	1935	2090	2210	2320	2395	2458	2512
65 years and over	266	274	282	310	338	382	458	544	645
Total GDP (million\$[1986])[1]	70977	71806	76454	85740	97295	101811	114269	127855	138373
Commercial GDP	25765	25218	26926	30219	33738	35740	39021	42280	44674
Industrial GDP	25245	26253	28523	31961	36444	35534	39806	44455	47340
Labour Force (thousand)	1489	1520	1548	1680	1799	1902	1966	2006	2047
Employment (thousand)	1373	1414	1460	1598	1720	1714	1798	1891	1928
Unemployment rate (percent)	7.8	7.0	5.9	4.8	4.3	9.8	8.5	5.7	5.8
Households (thousand)	1009	1036	1039	1125	1219	1314	1414	1531	1661
PDI (thousand\$[1986]) [2]	13.5	13.4	13.2	13.8	15.1	15.5	16.2	16.6	16.4
<b>British Columbia and Territories [3]</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Population (thousand)	3859	3951	4028	4085	4295	4501	4690	4920	5183
under 15 years	763	774	782	787	770	747	752	778	812
15 to 64 years	2613	2681	2738	2776	2952	3105	3169	3235	3299
65 years and over	483	496	507	523	573	649	768	908	1073
Total GDP (million\$[1986])[1]	70786	71743	73407	77850	87336	97931	107384	117567	128143
Commercial GDP	34984	35752	36258	37976	41942	46114	49605	53099	56309
Industrial GDP	16998	16590	17021	18033	19893	22080	23858	25980	28248
Labour Force (thousand)	1935	1982	2010	2059	2218	2363	2429	2476	2546
Employment (thousand)	1762	1806	1831	1892	2010	2140	2211	2279	2346
Unemployment rate (percent)	9.0	8.9	8.6	8.1	9.4	9.5	9.0	8.0	7.9
Households (thousand)	1463	1497	1523	1562	1687	1823	1965	2138	2352
PDI (thousand\$[1986]) [2]	13.4	13.3	13.1	13.3	14.4	15.5	15.9	16.1	15.9

[1] The sum of the commercial GDP and industrial GDP used by the NEB in its energy projections is less than total GDP. A number of activities are excluded from the NEB definitions either because the value of goods and services provided is not directly associated with energy consumption (e.g., broadcasting and telecommunications) or, the energy consumption is captured in other sectors (e.g., transportation).

[2] Personal disposable income.

[3] Population and income are for B.C. and Territories; other indicators are for B.C.

Source: Informetrica Limited, Statistics Canada, NEB

Table A3.1a: Demand, Case 1, Canada

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	22.77	22.76	22.31	21.13	19.60	19.02	19.08	19.54	20.38
Natural Gas	9.11	9.55	10.47	10.26	10.00	10.17	10.58	11.10	11.52
Light Fuel Oil	15.49	16.98	16.30	15.23	14.83	14.62	14.43	14.07	13.64
<b>Commercial (\$1997/GJ)</b>									
Electricity	19.63	19.58	19.30	18.30	16.88	16.28	16.30	16.62	17.31
Natural Gas	6.99	7.50	8.41	8.20	7.97	8.10	8.46	9.00	9.47
Light Fuel Oil	11.35	12.61	12.01	11.09	10.74	10.48	10.27	10.03	9.69
<b>Industrial (\$1997/GJ)</b>									
Electricity	13.60	13.56	13.36	12.72	11.87	11.57	11.70	12.03	12.64
Natural Gas	3.39	3.79	4.48	4.44	4.38	4.59	4.98	5.52	5.99
Heavy Fuel Oil	4.06	4.84	4.97	4.89	4.80	4.89	5.07	5.02	4.88
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>7978.6</b>	<b>8406.4</b>	<b>8481.7</b>	<b>8941.8</b>	<b>9860.1</b>	<b>10523.3</b>	<b>11314.9</b>	<b>11955.4</b>	<b>12587.6</b>
Electricity	1681.2	1709.3	1728.1	1829.2	2006.7	2160.3	2366.7	2566.7	2742.8
Oil	3002.0	3129.4	3192.6	3265.2	3470.9	3683.8	3913.5	4152.0	4430.1
Natural Gas	2244.1	2467.6	2429.0	2583.3	2931.2	3187.7	3471.6	3695.1	3850.7
Liquid Petroleum Gases and Ethane	263.2	313.9	302.1	407.2	548.2	566.1	602.8	554.0	568.5
Coal, Coke and Coke Oven Gas	185.0	188.6	190.8	196.9	202.3	201.5	200.2	199.3	193.0
Steam	11.3	25.4	31.7	31.8	32.7	32.2	33.7	34.6	34.3
Hog Fuel, Pulp and Paper and Wood	589.7	570.0	605.3	625.9	665.8	689.3	723.8	750.9	765.2
Solar	2.1	2.1	2.1	2.2	2.4	2.5	2.6	2.8	2.9
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>1535.1</b>	<b>1667.6</b>	<b>1606.8</b>	<b>1667.4</b>	<b>1777.8</b>	<b>1867.5</b>	<b>1955.0</b>	<b>2032.4</b>	<b>2103.8</b>
Electricity	510.5	531.6	524.5	550.2	596.9	635.9	679.4	722.4	766.7
Oil	243.9	272.0	266.5	270.5	280.6	291.0	298.7	305.8	312.3
Natural Gas	679.4	749.9	699.4	728.6	779.4	817.9	852.0	877.7	897.3
Liquid Petroleum Gases	15.4	19.4	20.2	21.4	23.3	25.1	27.0	28.8	30.7
Wood	82.0	90.7	89.7	90.1	90.9	91.1	91.2	90.9	90.0
Solar	2.1	2.1	2.1	2.2	2.4	2.5	2.6	2.8	2.9
Coal	1.7	2.0	4.4	4.4	4.4	4.1	4.1	3.9	3.8
<b>Commercial Sector</b>	<b>941.8</b>	<b>967.9</b>	<b>983.5</b>	<b>1031.9</b>	<b>1109.9</b>	<b>1183.4</b>	<b>1262.5</b>	<b>1338.4</b>	<b>1398.4</b>
Electricity	419.0	421.0	431.7	454.7	486.1	517.2	551.7	586.6	615.0
Oil	93.4	88.6	94.4	95.1	96.0	99.9	103.8	110.1	115.1
Natural Gas	407.0	424.6	418.3	456.7	500.2	536.0	573.6	606.3	631.3
Liquid Petroleum Gases	22.1	33.3	38.6	25.2	27.3	30.0	33.0	35.0	36.6
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.3	0.4	0.5	0.2	0.3	0.3	0.3	0.3	0.4
<b>Industrial Sector</b>	<b>2766.8</b>	<b>2840.3</b>	<b>2921.1</b>	<b>3127.4</b>	<b>3500.3</b>	<b>3777.9</b>	<b>4157.5</b>	<b>4481.3</b>	<b>4719.7</b>
Electricity	748.6	753.6	769.0	821.3	920.6	1004.2	1132.6	1254.5	1358.0
Oil	297.1	323.7	305.9	311.5	306.5	317.7	338.3	366.1	402.5
Natural Gas	912.7	961.7	994.7	1085.4	1267.6	1378.5	1536.0	1680.9	1779.2
Liquid Petroleum Gases	34.7	22.8	25.9	27.4	30.4	33.4	36.5	38.6	39.9
Coal, Coke and Coke Oven Gas	183.3	186.7	186.4	192.6	197.9	197.4	196.2	195.5	189.3
Steam	11.0	25.0	31.1	31.5	32.3	31.8	33.4	34.2	33.8
Hog Fuel and Pulp and Paper	507.7	479.3	515.6	535.8	574.9	598.2	632.5	660.1	675.2
Natural Gas for Bitumen Extraction	71.6	87.4	92.4	121.9	170.0	216.6	252.0	251.5	241.7
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>2023.8</b>	<b>2075.4</b>	<b>2144.4</b>	<b>2209.9</b>	<b>2385.0</b>	<b>2544.8</b>	<b>2714.3</b>	<b>2882.3</b>	<b>3080.6</b>
Oil	1980.0	2029.7	2106.7	2165.8	2339.8	2498.5	2666.9	2833.7	3030.8
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	43.9	45.7	37.7	44.1	45.3	46.3	47.4	48.6	49.7

<b>Non-Energy</b>	<b>711.1</b>	<b>855.1</b>	<b>825.9</b>	<b>905.2</b>	<b>1087.0</b>	<b>1149.6</b>	<b>1225.6</b>	<b>1221.1</b>	<b>1285.2</b>
Natural Gas	165.5	236.2	220.0	183.6	206.8	231.4	250.4	271.0	293.4
Oil	154.2	162.3	160.5	156.7	172.0	188.8	204.1	220.7	238.7
Liquid Petroleum Gases	46.1	63.6	66.8	74.7	84.1	93.5	101.2	109.3	118.1
Ethane	111.8	139.9	120.1	224.5	348.1	348.1	368.2	304.3	304.3
Asphalt	123.2	125.0	126.5	128.2	132.2	136.9	142.6	148.2	154.0
Lubricants and Greases	39.6	38.4	38.1	41.3	42.6	44.2	46.2	48.2	50.2
Other (e.g., Naphta Specialties and Petroleum Coke)	70.6	89.7	94.0	96.2	101.2	106.7	112.7	119.3	126.5

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	7978.6	8406.4	8481.7	8941.8	9860.1	10523.3	11314.9	11955.4	12587.6
Total Own Use and Conversions	4757.7	4831.8	4618.2	4915.8	5461.6	5752.4	6230.1	6550.3	6802.8
Less Electricity, Steam and Coke	1976.8	2035.2	2039.0	2151.3	2349.8	2509.3	2725.3	2934.6	3122.6
<b>Total Primary Demand</b>	<b>10759.4</b>	<b>11202.9</b>	<b>11060.9</b>	<b>11706.2</b>	<b>12971.9</b>	<b>13766.4</b>	<b>14819.6</b>	<b>15571.1</b>	<b>16267.8</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	3452.4	3591.3	3696.9	3762.5	3976.2	4222.0	4479.4	4731.4	5058.0
Natural Gas	3180.0	3432.0	3384.8	3766.3	4309.1	4744.8	5213.0	5660.5	6030.3
Natural Gas Liquids	278.4	307.2	293.4	412.1	551.5	565.8	604.0	556.3	571.6
Coal	1031.5	1071.4	1137.1	1217.6	1160.6	1230.7	1300.6	1310.9	1293.6
Hydro	1080.1	1145.3	983.4	1033.4	1106.9	1186.5	1239.3	1300.3	1373.9
Nuclear	1109.0	1062.4	937.8	851.5	1161.8	1084.6	1216.2	1217.3	1131.7
Renewable Fuels	631.6	611.4	627.5	662.8	705.8	731.9	767.0	794.3	808.7

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	14.7	15.3	14.9	14.1	13.7	13.3	12.8	12.2	11.7
Residential Energy per Household (GJ/Hlds)	128.7	137.8	130.2	130.1	129.5	126.7	122.7	117.6	111.8
Commercial Energy per unit of GDP	3.6	3.7	3.6	3.5	3.4	3.3	3.2	3.2	3.1
Industrial Energy per unit of GDP	17.6	18.1	17.7	16.5	16.2	16.3	16.1	15.5	15.0

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>3452.4</b>	<b>3591.3</b>	<b>3696.9</b>	<b>3762.5</b>	<b>3976.2</b>	<b>4222.0</b>	<b>4479.4</b>	<b>4731.4</b>	<b>5058.0</b>
Aviation Gasoline	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Aviation Turbo Fuel	181.0	205.4	209.8	212.3	218.1	232.4	248.1	268.7	297.3
Motor Gasoline	1145.1	1177.8	1206.9	1219.8	1330.0	1436.1	1532.4	1624.6	1725.3
Light Fuel Oil and Kerosene	230.2	251.8	234.5	243.0	244.7	251.2	253.3	256.4	261.6
Diesel Fuel Oil	758.9	790.8	847.5	879.3	953.9	1003.2	1086.6	1157.9	1230.0
Heavy Fuel Oil	310.2	287.9	302.2	297.2	258.9	270.8	266.6	266.0	315.2
Petrochemical Feedstock	154.2	162.3	160.5	156.7	172.0	188.8	204.1	220.7	238.7
Refinery LPG	62.7	68.0	72.8	75.2	81.7	89.2	94.8	99.6	105.0
Other (e.g., Lubricants and Asphalt)	605.9	643.0	658.6	674.9	712.6	746.2	789.3	833.4	880.7

[1] Excludes fuels to generate electricity for exports

Table A3.2a: Demand, Case 1, Atlantic Total

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	25.42	25.98	26.41	24.86	22.47	21.37	21.37	21.37	23.13
Natural Gas	n/a	n/a	n/a	12.11	12.15	12.19	12.20	12.82	13.23
Light Fuel Oil	15.49	16.75	16.15	15.11	14.70	14.46	14.26	13.93	13.49
<b>Commercial (\$1997/GJ)</b>									
Electricity	22.24	22.73	23.11	21.75	19.66	18.70	18.70	18.70	20.24
Natural Gas	n/a	n/a	n/a	9.29	9.08	8.88	8.68	9.52	9.97
Light Fuel Oil	11.11	12.20	11.67	10.77	10.40	10.13	9.92	9.69	9.37
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.55	14.87	15.12	14.23	12.86	12.23	12.23	12.23	13.24
Natural Gas	n/a	n/a	n/a	4.93	4.97	5.00	5.01	5.58	5.96
Heavy Fuel Oil	3.75	4.39	4.52	4.41	4.29	4.30	4.48	4.63	4.68
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>534.1</b>	<b>541.3</b>	<b>560.1</b>	<b>566.5</b>	<b>613.3</b>	<b>635.9</b>	<b>688.5</b>	<b>708.6</b>	<b>723.3</b>
Electricity	120.4	121.7	125.5	128.4	134.2	141.9	151.3	158.2	162.9
Oil	331.8	334.7	342.9	335.9	330.2	338.5	349.4	358.3	367.0
Natural Gas	0.0	0.0	0.0	12.6	40.4	45.4	52.9	55.2	55.9
Liquid Petroleum Gases and Ethane	5.2	7.3	9.1	7.3	26.2	30.0	52.8	53.8	54.7
Coal, Coke and Coke Oven Gas	6.2	6.6	7.5	7.4	7.4	7.1	7.1	6.8	6.3
Steam	3.3	4.8	4.6	4.1	3.1	1.9	2.0	2.1	2.0
Hog Fuel, Pulping Liquor and Wood	67.2	66.2	70.6	70.7	71.8	71.1	72.9	74.2	74.4
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>107.3</b>	<b>111.3</b>	<b>114.4</b>	<b>114.9</b>	<b>117.8</b>	<b>120.6</b>	<b>122.8</b>	<b>124.6</b>	<b>125.5</b>
Electricity	42.5	43.5	44.5	44.7	46.6	48.9	51.2	52.8	53.8
Oil	47.3	48.6	51.2	51.3	50.6	48.2	45.4	43.9	42.3
Natural Gas	0.0	0.0	0.0	0.0	1.3	3.4	5.5	6.6	7.8
Liquid Petroleum Gases	0.8	1.8	1.7	1.9	2.2	2.7	3.3	3.8	4.4
Wood	16.1	16.7	16.4	16.3	16.5	16.7	16.8	16.8	16.7
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coal	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
<b>Commercial Sector</b>	<b>60.5</b>	<b>59.1</b>	<b>66.2</b>	<b>63.6</b>	<b>66.5</b>	<b>69.6</b>	<b>72.3</b>	<b>74.6</b>	<b>76.1</b>
Electricity	27.7	28.0	28.3	29.5	31.0	31.9	32.7	33.8	34.6
Oil	31.7	28.6	33.3	30.8	26.0	25.5	24.8	25.5	26.0
Natural Gas	0.0	0.0	0.0	1.2	7.1	8.7	10.4	10.6	10.8
Liquid Petroleum Gases	1.1	2.6	4.6	2.2	2.4	3.5	4.5	4.7	4.8
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>162.1</b>	<b>160.8</b>	<b>167.5</b>	<b>173.2</b>	<b>185.1</b>	<b>191.3</b>	<b>208.2</b>	<b>216.5</b>	<b>221.2</b>
Electricity	50.2	50.2	52.7	54.2	56.6	61.0	67.4	71.6	74.6
Oil	49.1	47.9	46.8	39.4	27.3	28.0	31.9	33.8	36.1
Natural Gas	0.0	0.0	0.0	11.4	32.0	33.3	37.0	37.9	37.4
Liquid Petroleum Gases	2.8	2.5	2.4	2.8	3.9	6.2	7.3	7.6	7.8
Coal, Coke and Coke Oven Gas	5.5	5.9	6.9	6.8	6.8	6.5	6.5	6.1	5.6
Steam	3.3	4.8	4.6	4.0	3.1	1.9	2.0	2.1	2.0
Hog Fuel and Pulping Liquor	51.1	49.5	54.2	54.4	55.3	54.4	56.1	57.4	57.7
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>182.9</b>	<b>189.5</b>	<b>191.2</b>	<b>192.9</b>	<b>204.4</b>	<b>214.4</b>	<b>224.2</b>	<b>231.4</b>	<b>238.4</b>
Oil	182.4	189.0	190.8	192.5	203.8	213.8	223.6	230.9	237.8
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6

<b>Non-Energy</b>	<b>21.4</b>	<b>20.6</b>	<b>20.8</b>	<b>21.8</b>	<b>39.5</b>	<b>40.1</b>	<b>60.9</b>	<b>61.5</b>	<b>62.1</b>
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil	3.6	3.5	3.6	4.0	4.1	4.3	4.4	4.6	4.8
Liquid Petroleum Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethane	0.0	0.0	0.0	0.0	17.1	17.1	37.2	37.2	37.2
Asphalt	14.4	14.5	15.0	15.1	15.5	15.8	16.3	16.6	16.9
Lubricants and Greases	2.5	2.5	2.2	2.7	2.7	2.8	2.9	2.9	3.0
Other (e.g., Naphta Specialties and Petroleum Coke)	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	534.1	541.3	560.1	566.5	613.3	635.9	688.5	708.6	723.3
Total Own Use and Conversions	397.8	434.4	432.4	462.9	470.9	546.4	554.6	536.7	517.0
Less Electricity, Steam and Coke	138.7	141.6	147.2	149.7	155.1	161.5	171.4	178.1	182.7
<b>Total Primary Demand</b>	<b>793.2</b>	<b>834.1</b>	<b>845.4</b>	<b>879.7</b>	<b>929.1</b>	<b>1020.7</b>	<b>1071.7</b>	<b>1067.3</b>	<b>1057.6</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	437.8	430.1	450.7	437.6	414.9	425.8	438.8	428.5	439.9
Natural Gas	0.0	0.0	0.0	38.3	98.3	117.4	138.0	172.8	208.1
Natural Gas Liquids	15.9	14.0	15.6	17.5	37.3	41.4	65.2	67.3	69.1
Coal	111.6	125.3	119.9	116.8	132.4	125.9	117.4	85.0	51.8
Hydro	136.5	138.4	151.4	147.1	148.5	212.6	213.1	213.1	213.1
Nuclear	19.1	54.6	35.9	50.3	24.6	25.2	25.2	25.2	0.0
Renewable Fuels	72.3	71.7	71.8	72.0	73.1	72.4	74.2	75.5	75.6

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	16.6	16.6	17.0	15.5	14.9	14.1	14.1	13.5	12.9
Residential Energy per Household (GJ/Hlds)	119.0	124.4	125.7	124.9	123.2	120.9	118.5	116.2	113.6
Commercial Energy per unit of GDP	3.6	3.5	3.9	3.6	3.5	3.4	3.4	3.3	3.3
Industrial Energy per unit of GDP	24.0	23.8	24.2	20.1	18.5	17.8	18.3	18.1	17.5

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>437.8</b>	<b>430.1</b>	<b>450.7</b>	<b>437.6</b>	<b>414.9</b>	<b>425.8</b>	<b>438.8</b>	<b>428.5</b>	<b>439.9</b>
Aviation Gasoline	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Aviation Turbo Fuel	17.9	20.1	18.6	21.4	21.9	23.3	24.7	26.7	29.4
Motor Gasoline	85.7	90.6	90.0	87.8	93.8	100.1	103.6	105.0	105.5
Light Fuel Oil and Kerosene	67.5	67.6	71.3	70.0	62.5	59.4	56.2	54.1	53.0
Diesel Fuel Oil	70.3	73.0	79.9	79.0	87.0	90.7	109.4	119.8	123.4
Heavy Fuel Oil	143.0	126.3	135.6	125.4	95.3	94.6	83.9	61.3	65.2
Petrochemical Feedstock	3.6	3.5	3.6	4.0	4.1	4.3	4.4	4.6	4.8
Refinery LPG	7.5	8.4	10.0	8.5	9.4	11.8	13.5	14.1	14.8
Other (e.g., Lubricants and Asphalt)	42.0	40.4	41.5	41.4	40.7	41.5	42.8	42.6	43.6

[1] Excludes fuels to generate electricity for exports

Table A3.3a: Demand, Case 1, Québec

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	19.01	19.01	18.63	17.53	16.84	16.84	16.84	17.45	18.08
Natural Gas	13.94	14.46	15.45	15.23	14.93	15.06	15.46	15.94	16.32
Light Fuel Oil	14.52	15.81	15.18	14.10	13.70	13.45	13.26	12.93	12.50
<b>Commercial (\$1997/GJ)</b>									
Electricity	17.39	17.39	17.04	16.04	15.40	15.40	15.40	15.96	16.53
Natural Gas	9.92	10.24	11.22	11.06	10.81	10.92	11.30	11.87	12.35
Light Fuel Oil	11.10	12.26	11.70	10.75	10.37	10.10	9.88	9.64	9.31
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.25	10.25	10.05	9.46	9.08	9.08	9.08	9.41	9.75
Natural Gas	4.53	4.82	5.63	5.58	5.50	5.68	6.09	6.64	7.13
Heavy Fuel Oil	4.30	5.03	5.19	5.14	5.00	5.11	5.36	5.24	5.03
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1635.9</b>	<b>1663.0</b>	<b>1709.3</b>	<b>1817.0</b>	<b>1967.5</b>	<b>2086.3</b>	<b>2222.6</b>	<b>2350.7</b>	<b>2461.8</b>
Electricity	586.7	596.8	609.3	645.9	701.9	743.0	800.1	854.1	898.2
Oil	641.6	659.3	649.8	682.6	718.7	758.5	798.0	838.8	887.4
Natural Gas	228.0	238.8	243.2	269.2	311.8	341.4	369.7	392.6	404.6
Liquid Petroleum Gases and Ethane	24.2	19.7	22.4	25.3	27.3	29.0	30.9	32.9	34.8
Coal, Coke and Coke Oven Gas	24.3	24.8	25.0	25.9	26.8	26.4	26.3	25.8	24.6
Steam	0.2	1.6	1.3	1.2	1.2	1.0	0.8	0.6	0.3
Hog Fuel, Pulping Liquor and Wood	130.6	121.6	157.9	166.5	179.4	186.4	196.3	205.4	211.3
Solar	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>316.5</b>	<b>331.2</b>	<b>330.9</b>	<b>341.8</b>	<b>360.4</b>	<b>373.3</b>	<b>386.5</b>	<b>397.6</b>	<b>408.7</b>
Electricity	186.2	191.3	194.4	203.0	217.8	229.1	240.6	251.4	262.2
Oil	65.8	69.9	65.4	66.3	67.6	68.3	69.0	69.4	70.1
Natural Gas	26.8	28.2	28.2	29.3	31.4	33.0	34.7	35.8	36.7
Liquid Petroleum Gases	1.9	1.8	3.4	3.5	3.7	3.9	4.0	4.2	4.3
Wood	35.3	39.5	39.1	39.3	39.3	38.5	37.6	36.3	34.9
Solar	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Commercial Sector</b>	<b>199.3</b>	<b>199.6</b>	<b>202.7</b>	<b>213.0</b>	<b>226.7</b>	<b>240.1</b>	<b>252.1</b>	<b>263.4</b>	<b>270.3</b>
Electricity	109.9	109.9	111.1	116.7	123.6	130.7	137.4	143.8	148.0
Oil	22.7	22.1	21.3	23.7	26.4	28.0	29.7	32.3	34.6
Natural Gas	63.9	64.3	65.4	69.3	73.2	77.6	81.2	83.2	83.7
Liquid Petroleum Gases	2.7	3.3	5.0	3.3	3.5	3.7	3.8	4.0	4.1
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>624.3</b>	<b>625.9</b>	<b>668.3</b>	<b>722.0</b>	<b>806.2</b>	<b>863.8</b>	<b>939.5</b>	<b>1015.0</b>	<b>1074.3</b>
Electricity	289.4	294.5	302.8	325.1	359.3	382.0	420.8	457.7	486.9
Oil	73.8	75.7	69.8	70.9	70.4	74.2	77.4	86.2	99.8
Natural Gas	136.3	145.4	148.8	169.7	206.4	230.0	252.9	272.8	283.3
Liquid Petroleum Gases	5.1	1.8	1.8	1.9	2.2	2.3	2.5	2.8	2.9
Coal, Coke and Coke Oven Gas	24.3	24.8	25.0	25.9	26.8	26.4	26.3	25.8	24.6
Steam	0.2	1.6	1.3	1.2	1.2	1.0	0.8	0.6	0.3
Hog Fuel and Pulping Liquor	95.3	82.1	118.8	127.3	140.0	147.9	158.7	169.1	176.5
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>416.0</b>	<b>422.1</b>	<b>425.9</b>	<b>451.5</b>	<b>479.8</b>	<b>508.3</b>	<b>536.2</b>	<b>558.5</b>	<b>583.6</b>
Oil	412.0	418.9	422.5	447.7	476.0	504.4	532.4	554.7	579.8
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	4.0	3.2	3.3	3.8	3.8	3.8	3.8	3.8	3.9



<b>Non-Energy</b>	<b>79.8</b>	<b>84.2</b>	<b>81.6</b>	<b>88.7</b>	<b>94.4</b>	<b>100.8</b>	<b>108.2</b>	<b>116.2</b>	<b>124.8</b>
Natural Gas	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Oil	8.8	12.8	9.0	10.1	10.7	11.6	12.6	13.6	14.7
Liquid Petroleum Gases	11.6	10.8	10.1	13.9	15.2	16.5	17.8	19.3	20.8
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	29.6	29.2	27.8	30.2	30.9	31.9	33.3	34.7	36.1
Lubricants and Greases	5.3	5.3	6.5	5.4	5.5	5.7	6.0	6.2	6.5
Other (e.g., Naphta Specialties and Petroleum Coke)	23.7	25.4	27.4	28.3	31.1	34.3	37.8	41.7	45.9

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1635.9	1663.0	1709.3	1817.0	1967.5	2086.3	2222.6	2350.7	2461.8
Total Own Use and Conversions	692.8	707.2	631.2	683.3	747.1	687.0	799.4	859.8	875.6
Less Electricity, Steam and Coke	637.0	650.4	661.5	700.9	761.0	803.1	862.0	917.4	964.0
<b>Total Primary Demand</b>	<b>1691.7</b>	<b>1719.8</b>	<b>1679.0</b>	<b>1799.4</b>	<b>1953.6</b>	<b>1970.2</b>	<b>2160.0</b>	<b>2293.1</b>	<b>2373.5</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	695.2	711.0	710.6	738.8	777.7	821.1	863.5	907.3	959.5
Natural Gas	228.8	241.2	249.1	273.5	316.9	349.7	382.4	409.9	425.4
Natural Gas Liquids	21.3	17.6	20.5	24.8	26.7	27.7	29.7	31.7	33.6
Coal	20.8	24.5	24.7	25.5	26.4	26.1	26.0	25.5	24.3
Hydro	539.6	540.1	456.5	499.9	553.1	542.9	584.9	636.2	702.7
Nuclear	54.6	63.4	52.9	59.7	59.7	0.0	60.4	60.4	0.0
Renewable Fuels	131.4	122.0	164.8	177.2	193.1	202.7	213.0	222.1	228.1

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	13.7	13.9	13.9	13.3	12.9	12.5	12.0	11.6	11.2
Residential Energy per Household (GJ/Hlds)	105.7	108.8	106.3	106.9	106.4	103.8	101.0	97.6	94.2
Commercial Energy per unit of GDP	3.3	3.2	3.2	3.1	3.0	3.0	2.9	2.9	2.8
Industrial Energy per unit of GDP	18.3	19.1	19.8	18.5	18.2	18.1	17.7	17.0	16.4

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>695.2</b>	<b>711.0</b>	<b>710.6</b>	<b>738.8</b>	<b>777.7</b>	<b>821.1</b>	<b>863.5</b>	<b>907.3</b>	<b>959.5</b>
Aviation Gasoline	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Aviation Turbo Fuel	30.2	32.8	28.0	38.5	40.1	43.3	46.9	51.5	57.8
Motor Gasoline	258.0	262.0	262.2	269.8	287.3	303.0	316.7	328.1	338.8
Light Fuel Oil and Kerosene	81.4	87.1	80.4	84.1	87.4	88.9	90.7	93.4	95.9
Diesel Fuel Oil	133.1	128.1	140.0	145.6	157.4	168.9	181.7	189.9	199.6
Heavy Fuel Oil	74.5	77.1	79.4	74.9	72.5	75.6	77.3	84.7	97.6
Petrochemical Feedstock	8.8	12.8	9.0	10.1	10.8	11.6	12.6	13.6	14.7
Refinery LPG	9.6	8.7	8.8	9.2	9.8	10.7	11.3	11.9	12.6
Other (e.g., Lubricants and Asphalt)	99.0	101.8	102.0	105.9	111.8	118.3	125.8	133.6	142.1

[1] Excludes fuels to generate electricity for exports

Table A3.4a: Demand, Case 1, Ontario

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	28.53	28.53	27.96	26.31	23.78	22.62	22.62	23.06	23.52
Natural Gas	9.48	9.74	10.65	10.49	10.25	10.39	10.78	11.25	11.65
Light Fuel Oil	16.42	18.07	17.40	16.27	15.85	15.61	15.41	14.96	14.52
<b>Commercial (\$1997/GJ)</b>									
Electricity	23.56	23.56	23.09	21.73	19.64	18.68	18.68	19.05	19.42
Natural Gas	7.10	7.41	8.34	8.21	8.01	8.13	8.51	9.05	9.52
Light Fuel Oil	11.55	13.06	12.46	11.46	11.09	10.82	10.60	10.35	10.03
<b>Industrial (\$1997/GJ)</b>									
Electricity	21.27	21.27	20.84	19.62	17.73	16.86	16.86	17.19	17.53
Natural Gas	4.19	4.46	5.23	5.18	5.10	5.27	5.65	6.18	6.64
Heavy Fuel Oil	4.07	5.03	5.19	4.99	4.85	4.97	5.15	5.04	4.85
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>2580.5</b>	<b>2719.3</b>	<b>2726.4</b>	<b>2860.3</b>	<b>3156.0</b>	<b>3433.1</b>	<b>3756.8</b>	<b>4082.2</b>	<b>4386.6</b>
Electricity	482.8	485.4	482.3	518.4	581.9	647.0	735.3	823.7	906.6
Oil	987.5	1029.9	1048.1	1074.4	1174.9	1272.8	1374.1	1484.0	1620.4
Natural Gas	820.4	869.6	862.1	921.8	1034.8	1136.8	1257.3	1371.2	1452.7
Liquid Petroleum Gases and Ethane	50.2	84.5	69.2	71.3	77.3	83.3	89.2	95.1	100.9
Coal, Coke and Coke Oven Gas	140.6	142.7	142.1	147.0	150.5	149.8	147.8	147.3	142.4
Steam	3.2	11.4	21.8	22.4	24.1	25.2	26.7	27.8	27.7
Hog Fuel, Pulping Liquor and Wood	95.1	95.2	100.1	104.3	111.6	117.4	125.5	132.2	134.8
Solar	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.0	1.1
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>568.7</b>	<b>618.1</b>	<b>588.9</b>	<b>618.1</b>	<b>667.6</b>	<b>718.6</b>	<b>768.0</b>	<b>814.2</b>	<b>860.7</b>
Electricity	159.8	166.8	158.7	168.9	186.6	204.1	225.6	248.0	272.5
Oil	53.8	67.9	60.5	64.1	69.7	77.4	79.8	81.3	84.6
Natural Gas	328.2	351.4	338.6	353.0	377.9	401.5	424.4	444.1	460.2
Liquid Petroleum Gases	6.1	10.5	9.4	10.0	10.9	11.8	12.7	13.6	14.6
Wood	20.1	20.8	20.9	21.3	21.7	22.9	24.5	26.1	27.7
Solar	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.0	1.1
Coal	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
<b>Commercial Sector</b>	<b>353.2</b>	<b>373.9</b>	<b>377.6</b>	<b>401.8</b>	<b>436.5</b>	<b>470.5</b>	<b>509.9</b>	<b>549.0</b>	<b>583.8</b>
Electricity	163.2	161.1	164.0	176.2	190.3	205.0	222.7	240.7	257.2
Oil	20.3	19.9	19.7	22.8	24.7	26.5	28.6	30.5	32.2
Natural Gas	164.8	179.2	184.7	195.9	214.0	230.9	249.8	268.2	284.3
Liquid Petroleum Gases	4.6	13.3	8.7	6.6	7.2	7.8	8.5	9.2	9.8
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.2	0.4	0.5	0.2	0.3	0.3	0.3	0.3	0.3
<b>Industrial Sector</b>	<b>754.4</b>	<b>776.5</b>	<b>780.9</b>	<b>843.1</b>	<b>962.1</b>	<b>1066.4</b>	<b>1206.7</b>	<b>1347.5</b>	<b>1452.8</b>
Electricity	158.5	156.3	158.3	172.1	203.8	236.6	285.7	333.7	375.7
Oil	51.1	59.2	46.3	51.3	56.6	62.5	68.8	80.2	98.3
Natural Gas	318.7	328.0	329.1	362.7	431.7	491.9	569.8	644.7	693.2
Liquid Petroleum Gases	7.5	5.0	4.6	5.0	5.7	6.4	7.3	8.1	8.8
Coal, Coke and Coke Oven Gas	140.6	142.7	142.1	147.0	150.5	149.8	147.8	147.3	142.4
Steam	2.9	11.0	21.2	22.1	23.8	24.8	26.3	27.4	27.3
Hog Fuel and Pulping Liquor	75.0	74.4	79.2	83.0	90.0	94.5	101.0	106.1	107.2
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>672.7</b>	<b>688.5</b>	<b>727.9</b>	<b>747.1</b>	<b>819.5</b>	<b>884.9</b>	<b>958.3</b>	<b>1035.2</b>	<b>1129.0</b>
Oil	658.2	671.6	714.2	731.0	802.9	868.0	940.9	1017.3	1110.6
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	14.5	16.9	13.7	16.1	16.5	17.0	17.4	17.9	18.4

<b>Non-Energy</b>	<b>231.6</b>	<b>262.4</b>	<b>251.1</b>	<b>250.2</b>	<b>270.3</b>	<b>292.6</b>	<b>313.9</b>	<b>336.3</b>	<b>360.4</b>
Natural Gas	5.4	7.3	7.7	6.8	7.8	9.0	9.7	10.5	11.4
Oil	129.2	133.9	133.2	128.7	141.0	154.9	167.7	181.5	196.5
Liquid Petroleum Gases	11.6	33.2	27.0	26.4	29.9	33.4	36.4	39.4	42.6
Ethane	10.4	10.7	8.9	11.7	11.7	11.7	11.7	11.7	11.7
Asphalt	38.9	41.4	43.3	40.8	42.4	44.2	46.6	49.0	51.4
Lubricants and Greases	19.0	17.5	15.8	19.9	20.7	21.6	22.7	23.9	25.1
Other (e.g., Naphta Specialties and Petroleum Coke)	17.0	18.5	15.2	15.8	16.8	17.8	19.0	20.3	21.6

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	2580.5	2719.3	2726.4	2860.3	3156.0	3433.1	3756.8	4082.2	4386.6
Total Own Use and Conversions	1735.0	1654.4	1623.4	1698.7	1982.2	2140.8	2332.6	2467.1	2638.2
Less Electricity, Steam and Coke	655.8	664.3	664.7	704.0	776.9	845.9	938.7	1032.8	1118.7
<b>Total Primary Demand</b>	<b>3659.7</b>	<b>3709.5</b>	<b>3685.1</b>	<b>3855.0</b>	<b>4361.3</b>	<b>4728.0</b>	<b>5150.8</b>	<b>5516.5</b>	<b>5906.1</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	1091.7	1129.7	1158.4	1190.0	1294.8	1406.9	1515.1	1637.6	1800.0
Natural Gas	988.6	1026.0	1008.8	1157.2	1274.4	1439.2	1601.2	1777.4	2010.8
Natural Gas Liquids	53.9	84.3	68.5	74.1	78.4	82.1	88.3	94.3	99.9
Coal	257.7	278.9	359.1	436.8	373.4	464.3	525.3	578.3	563.9
Hydro	131.2	146.5	132.2	135.4	135.4	142.8	148.9	148.9	148.9
Nuclear	1035.4	944.4	849.1	741.4	1077.5	1059.5	1130.6	1131.7	1131.7
Renewable Fuels	101.7	100.7	109.0	120.0	127.5	133.3	141.5	148.2	151.0

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	12.1	12.6	12.1	11.3	10.9	10.6	10.3	9.9	9.6
Residential Energy per Household (GJ/Hlds)	134.0	143.6	135.6	135.1	135.0	134.2	130.4	124.9	118.7
Commercial Energy per unit of GDP	3.3	3.5	3.4	3.3	3.1	3.1	3.0	3.0	2.9
Industrial Energy per unit of GDP	11.7	11.8	11.2	10.4	10.3	10.4	10.4	10.2	10.0

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>1091.7</b>	<b>1129.7</b>	<b>1158.4</b>	<b>1190.0</b>	<b>1294.8</b>	<b>1406.9</b>	<b>1515.1</b>	<b>1637.6</b>	<b>1800.0</b>
Aviation Gasoline	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2
Aviation Turbo Fuel	52.5	58.3	63.8	61.3	63.6	68.5	73.8	80.8	90.3
Motor Gasoline	424.5	431.4	446.8	457.1	507.4	556.7	604.7	653.1	707.8
Light Fuel Oil and Kerosene	56.9	71.6	60.1	65.2	70.5	78.5	81.3	83.3	86.9
Diesel Fuel Oil	192.2	198.0	214.0	223.0	245.2	258.8	280.7	304.1	334.4
Heavy Fuel Oil	56.9	50.3	55.4	63.2	61.5	69.3	72.5	85.5	116.3
Petrochemical Feedstock	129.2	133.9	133.2	128.7	141.0	154.9	167.7	181.5	196.5
Refinery LPG	15.5	16.7	17.4	18.8	21.6	24.4	25.6	26.9	28.8
Other (e.g., Lubricants and Asphalt)	163.1	168.5	166.6	171.6	182.9	194.8	207.6	221.3	237.7

[1] Excludes fuels to generate electricity for exports

Table A3.5a: Demand, Case 1, Manitoba

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	18.57	18.39	18.57	18.38	18.02	18.02	18.02	18.67	19.34
Natural Gas	10.79	11.12	12.04	11.86	11.61	11.75	12.13	12.60	12.98
Light Fuel Oil	18.09	19.56	18.89	17.75	17.31	17.06	16.85	16.49	16.03
<b>Commercial (\$1997/GJ)</b>									
Electricity	13.09	12.96	13.09	12.95	12.70	12.70	12.70	13.16	13.63
Natural Gas	6.30	6.61	7.54	7.42	7.23	7.36	7.74	8.30	8.77
Light Fuel Oil	9.79	11.40	10.76	9.72	9.36	9.10	8.89	8.66	8.34
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.48	10.37	10.48	10.37	10.16	10.16	10.16	10.53	10.91
Natural Gas	4.29	4.56	5.32	5.28	5.20	5.37	5.75	6.27	6.73
Heavy Fuel Oil	3.53	4.37	4.78	4.86	4.73	4.88	4.96	4.85	4.66
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>249.7</b>	<b>256.4</b>	<b>250.6</b>	<b>267.3</b>	<b>289.7</b>	<b>311.5</b>	<b>333.1</b>	<b>350.1</b>	<b>366.7</b>
Electricity	57.9	59.9	60.0	64.2	70.6	75.8	81.0	86.1	91.6
Oil	99.8	99.5	96.7	103.8	111.2	119.9	128.8	135.2	141.5
Natural Gas	77.3	82.2	77.4	84.5	92.1	99.5	106.5	111.5	116.1
Liquid Petroleum Gases and Ethane	4.9	4.0	5.7	3.5	3.9	4.2	4.5	4.7	5.0
Coal, Coke and Coke Oven Gas	2.2	2.4	2.4	2.5	2.6	2.7	2.7	2.7	2.6
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	7.4	8.0	8.1	8.4	8.9	9.1	9.3	9.5	9.5
Solar	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>67.8</b>	<b>72.2</b>	<b>67.4</b>	<b>71.0</b>	<b>75.5</b>	<b>78.9</b>	<b>82.3</b>	<b>85.9</b>	<b>89.0</b>
Electricity	24.2	25.3	24.5	26.0	28.1	29.4	30.5	31.7	33.0
Oil	12.1	11.7	11.1	11.8	12.5	13.5	15.1	16.9	18.2
Natural Gas	27.0	30.5	27.1	28.4	30.1	31.2	32.0	32.9	33.6
Liquid Petroleum Gases	1.8	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.5
Wood	2.3	3.2	3.2	3.2	3.2	3.0	2.8	2.6	2.3
Solar	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Commercial Sector</b>	<b>45.8</b>	<b>48.5</b>	<b>48.2</b>	<b>51.4</b>	<b>54.9</b>	<b>59.6</b>	<b>63.6</b>	<b>65.7</b>	<b>67.9</b>
Electricity	13.8	14.1	14.3	15.4	16.2	17.4	18.5	19.0	19.7
Oil	2.0	2.1	2.3	2.1	2.2	2.4	2.6	2.6	2.7
Natural Gas	28.9	31.1	29.5	33.0	35.5	38.7	41.4	42.8	44.2
Liquid Petroleum Gases	1.0	1.1	2.0	0.9	1.0	1.1	1.2	1.2	1.3
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>48.9</b>	<b>47.9</b>	<b>47.7</b>	<b>51.4</b>	<b>58.7</b>	<b>64.6</b>	<b>71.8</b>	<b>78.5</b>	<b>84.5</b>
Electricity	19.9	20.5	21.2	22.8	26.3	29.0	32.0	35.4	38.9
Oil	4.5	3.8	3.2	3.5	3.6	4.4	5.2	5.9	6.3
Natural Gas	16.2	15.4	15.5	16.8	19.7	21.5	24.3	26.4	28.1
Liquid Petroleum Gases	1.1	1.0	0.5	0.6	0.8	0.9	1.1	1.3	1.5
Coal, Coke and Coke Oven Gas	2.2	2.4	2.4	2.5	2.6	2.7	2.7	2.7	2.6
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	5.0	4.9	4.9	5.2	5.7	6.1	6.5	6.9	7.2
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>78.6</b>	<b>79.2</b>	<b>78.7</b>	<b>83.8</b>	<b>90.2</b>	<b>96.8</b>	<b>102.9</b>	<b>106.7</b>	<b>111.1</b>
Oil	77.7	78.5	76.7	83.0	89.5	96.0	102.1	105.9	110.3
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	0.9	0.8	2.0	0.8	0.8	0.8	0.8	0.8	0.8

<b>Non-Energy</b>	<b>8.6</b>	<b>8.6</b>	<b>8.6</b>	<b>9.8</b>	<b>10.3</b>	<b>11.7</b>	<b>12.5</b>	<b>13.3</b>	<b>14.2</b>
Natural Gas	5.2	5.2	5.2	6.4	6.8	8.1	8.7	9.4	10.2
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquid Petroleum Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	2.3	2.1	2.3	2.3	2.4	2.5	2.6	2.6	2.7
Lubricants and Greases	0.9	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.1
Other (e.g., Naphta Specialties and Petroleum Coke)	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	249.7	256.4	250.6	267.3	289.7	311.5	333.1	350.1	366.7
Total Own Use and Conversions	110.4	119.8	123.7	134.9	142.7	151.1	159.6	165.6	176.9
Less Electricity, Steam and Coke	70.4	73.6	75.2	77.7	85.5	91.2	96.9	102.5	108.9
<b>Total Primary Demand</b>	<b>289.8</b>	<b>302.7</b>	<b>299.1</b>	<b>324.5</b>	<b>347.0</b>	<b>371.4</b>	<b>395.8</b>	<b>413.3</b>	<b>434.6</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	100.7	100.7	97.0	104.2	111.6	120.3	129.1	135.6	141.9
Natural Gas	103.1	108.5	103.9	115.9	122.3	133.5	144.3	153.8	163.5
Natural Gas Liquids	4.8	4.1	5.8	3.6	3.9	4.2	4.5	4.8	5.1
Coal	1.4	5.7	4.9	7.0	7.1	6.7	6.7	2.7	2.6
Hydro	72.5	77.0	79.1	85.2	92.8	97.3	101.5	106.6	111.6
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	8.4	8.4	8.4	8.7	9.2	9.5	9.7	9.8	9.9

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	13.7	13.7	13.0	12.5	12.1	11.6	11.2	10.9	10.6
Residential Energy per Household (GJ/Hlds)	135.3	145.8	133.4	134.2	133.3	128.9	124.5	120.7	117.0
Commercial Energy per unit of GDP	5.0	5.1	4.9	4.8	4.7	4.5	4.4	4.4	4.3
Industrial Energy per unit of GDP	13.9	13.3	12.4	11.5	11.6	11.5	11.4	11.7	11.6

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>100.7</b>	<b>100.7</b>	<b>97.0</b>	<b>104.2</b>	<b>111.6</b>	<b>120.3</b>	<b>129.1</b>	<b>135.6</b>	<b>141.9</b>
Aviation Gasoline	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Aviation Turbo Fuel	7.6	8.4	8.7	8.5	8.3	8.5	8.7	9.0	9.5
Motor Gasoline	49.6	48.5	47.5	50.7	54.2	58.7	62.4	64.8	67.2
Light Fuel Oil and Kerosene	2.0	2.3	1.5	1.7	1.6	1.6	1.7	1.8	1.8
Diesel Fuel Oil	36.0	36.5	34.6	39.0	43.4	46.9	51.4	54.7	58.0
Heavy Fuel Oil	1.7	1.3	1.0	0.5	0.1	0.6	0.9	1.1	1.1
Petrochemical Feedstock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Refinery LPG	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (e.g., Lubricants and Asphalt)	3.3	3.3	3.4	3.4	3.4	3.6	3.7	3.8	4.0

[1] Excludes fuels to generate electricity for exports

Table A3.6a: Demand, Case 1, Saskatchewan

<b>Section 1: End Use Energy Prices (Efficiency-Adjusted)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Residential (\$1997/GJ)</b>									
Electricity	24.74	24.74	24.74	23.29	21.05	20.02	20.02	20.02	21.67
Natural Gas	8.64	8.81	9.80	9.58	9.35	9.51	9.94	10.48	10.93
Light Fuel Oil	16.29	18.05	17.36	16.21	15.79	15.54	15.34	15.00	14.55
<b>Commercial (\$1997/GJ)</b>									
Electricity	23.36	23.36	23.36	21.98	19.87	18.90	18.90	18.90	20.46
Natural Gas	6.62	6.80	7.73	7.54	7.35	7.48	7.86	8.41	8.89
Light Fuel Oil	9.43	10.98	10.39	9.43	9.09	8.84	8.65	8.43	8.13
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.70	14.70	14.70	13.84	12.51	11.90	11.90	11.90	12.88
Natural Gas	3.33	3.49	4.25	4.16	4.08	4.25	4.63	5.15	5.61
Heavy Fuel Oil	4.60	5.77	5.64	5.25	5.10	4.99	4.92	4.81	4.62
<hr/>									
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>353.5</b>	<b>366.7</b>	<b>374.1</b>	<b>384.2</b>	<b>408.4</b>	<b>434.4</b>	<b>461.4</b>	<b>484.9</b>	<b>507.3</b>
Electricity	52.4	54.0	60.7	61.6	66.8	72.4	78.0	83.7	89.2
Oil	131.9	138.7	144.2	139.9	146.3	153.6	161.9	168.0	173.7
Natural Gas	151.8	156.5	149.2	162.2	174.1	186.7	199.2	210.6	221.5
Liquid Petroleum Gases and Ethane	4.2	3.8	5.0	5.0	5.3	5.6	5.8	6.1	6.3
Coal, Coke and Coke Oven Gas	2.7	3.2	3.6	3.8	3.9	4.1	4.2	4.3	4.5
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	10.2	10.2	11.1	11.4	11.6	11.8	11.9	11.9	11.8
Solar	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>90.8</b>	<b>102.8</b>	<b>97.2</b>	<b>98.5</b>	<b>103.6</b>	<b>108.0</b>	<b>113.7</b>	<b>117.8</b>	<b>120.6</b>
Electricity	14.3	15.1	15.0	15.7	17.1	18.5	20.0	21.4	22.8
Oil	28.9	32.7	34.6	34.1	35.2	35.7	37.4	38.5	38.9
Natural Gas	45.1	52.2	43.9	45.0	47.6	50.3	52.8	54.6	56.0
Liquid Petroleum Gases	0.9	0.4	0.9	1.0	1.0	1.1	1.2	1.2	1.3
Wood	1.3	2.0	1.9	1.8	1.8	1.7	1.5	1.3	1.1
Solar	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Coal	0.0	0.2	0.7	0.6	0.5	0.5	0.4	0.3	0.1
<b>Commercial Sector</b>	<b>41.2</b>	<b>45.4</b>	<b>47.3</b>	<b>49.8</b>	<b>53.3</b>	<b>57.1</b>	<b>59.8</b>	<b>62.1</b>	<b>63.7</b>
Electricity	14.7	15.3	19.5	17.5	18.6	19.9	20.8	21.7	22.4
Oil	2.0	2.5	4.1	2.2	2.4	2.5	2.7	2.8	2.8
Natural Gas	24.1	26.4	22.5	29.1	31.2	33.5	35.0	36.3	37.1
Liquid Petroleum Gases	0.5	1.2	1.2	1.0	1.1	1.2	1.3	1.3	1.4
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>127.4</b>	<b>122.2</b>	<b>132.0</b>	<b>140.9</b>	<b>151.9</b>	<b>163.6</b>	<b>176.5</b>	<b>189.1</b>	<b>202.5</b>
Electricity	23.4	23.6	26.2	28.4	31.1	34.1	37.2	40.6	44.0
Oil	8.1	8.2	9.0	9.8	10.3	10.8	11.4	11.9	12.6
Natural Gas	82.6	78.0	82.8	88.2	95.3	103.0	111.4	119.6	128.4
Liquid Petroleum Gases	1.7	1.3	1.8	1.9	2.0	2.1	2.3	2.4	2.5
Coal, Coke and Coke Oven Gas	2.7	3.0	3.0	3.2	3.4	3.6	3.8	4.1	4.3
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	8.9	8.2	9.2	9.5	9.8	10.1	10.4	10.5	10.7
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>86.3</b>	<b>88.6</b>	<b>90.0</b>	<b>87.2</b>	<b>91.7</b>	<b>97.5</b>	<b>103.1</b>	<b>107.2</b>	<b>111.4</b>
Oil	85.3	87.6	89.0	86.2	90.7	96.5	102.0	106.2	110.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0

<b>Non-Energy</b>	<b>7.8</b>	<b>7.7</b>	<b>7.6</b>	<b>7.8</b>	<b>7.9</b>	<b>8.2</b>	<b>8.5</b>	<b>8.7</b>	<b>9.0</b>
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquid Petroleum Gases	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	5.3	5.3	5.1	5.5	5.6	5.8	6.0	6.2	6.4
Lubricants and Greases	1.8	1.8	2.2	1.8	1.9	1.9	2.0	2.1	2.1
Other (e.g., Naphta Specialties and Petroleum Coke)	0.5	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.4

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	353.5	366.7	374.1	384.2	408.4	434.4	461.4	484.9	507.3
Total Own Use and Conversions	296.3	301.3	295.4	329.4	367.4	388.1	413.1	433.5	439.5
Less Electricity, Steam and Coke	58.5	61.3	63.1	68.6	75.0	80.9	86.9	92.9	99.0
<b>Total Primary Demand</b>	<b>591.4</b>	<b>606.7</b>	<b>606.4</b>	<b>645.1</b>	<b>700.8</b>	<b>741.6</b>	<b>787.6</b>	<b>825.6</b>	<b>847.8</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	151.6	159.8	165.1	160.3	167.6	175.9	185.5	192.5	199.0
Natural Gas	265.1	273.1	267.4	310.7	351.3	388.5	414.4	457.0	467.8
Natural Gas Liquids	2.3	2.0	3.1	3.2	3.4	3.5	3.7	3.8	4.0
Coal	146.8	145.6	145.1	143.1	150.4	145.4	155.7	143.9	148.7
Hydro	14.8	15.8	14.3	14.4	14.4	14.4	14.4	14.4	14.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	10.8	10.4	11.3	13.5	13.7	13.9	14.0	14.0	14.0

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	19.6	19.3	18.8	17.3	16.4	15.6	15.1	14.4	13.9
Residential Energy per Household (GJ/Hlds)	164.0	187.4	163.2	161.6	160.0	158.5	156.4	152.9	148.6
Commercial Energy per unit of GDP	5.4	5.7	5.7	5.5	5.4	5.3	5.1	5.1	5.0
Industrial Energy per unit of GDP	28.4	25.5	24.6	23.0	22.8	22.3	23.1	23.6	24.0

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>151.6</b>	<b>159.8</b>	<b>165.1</b>	<b>160.3</b>	<b>167.6</b>	<b>175.9</b>	<b>185.5</b>	<b>192.5</b>	<b>199.0</b>
Aviation Gasoline	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Aviation Turbo Fuel	2.8	3.4	2.7	3.1	3.0	3.1	3.2	3.4	3.6
Motor Gasoline	58.8	59.6	60.2	56.8	58.6	62.6	65.9	68.4	70.8
Light Fuel Oil and Kerosene	1.6	2.1	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Diesel Fuel Oil	58.3	63.1	67.3	67.5	71.7	74.6	79.2	82.3	84.8
Heavy Fuel Oil	3.4	3.8	4.7	3.1	3.3	3.3	3.4	3.6	3.8
Petrochemical Feedstock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Refinery LPG	2.3	2.5	2.7	2.8	2.9	3.0	3.2	3.3	3.4
Other (e.g., Lubricants and Asphalt)	24.1	25.0	25.4	25.0	26.0	27.1	28.5	29.5	30.5

[1] Excludes fuels to generate electricity for exports

Table A3.7a: Demand, Case 1, Alberta

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	20.58	20.58	20.58	20.58	19.37	18.42	18.42	18.42	19.94
Natural Gas	6.65	7.04	7.96	7.82	7.62	7.79	8.23	8.78	9.24
Light Fuel Oil	13.91	15.24	14.62	13.59	13.23	13.01	12.83	12.54	12.15
<b>Commercial (\$1997/GJ)</b>									
Electricity	15.64	15.64	15.64	15.64	14.72	14.00	14.00	14.00	15.16
Natural Gas	4.16	4.57	5.44	5.33	5.17	5.32	5.73	6.30	6.79
Light Fuel Oil	8.57	10.13	9.54	8.59	8.27	8.03	7.85	7.64	7.35
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.41	14.41	14.41	14.41	13.56	12.90	12.90	12.90	13.96
Natural Gas	2.08	2.48	3.19	3.14	3.06	3.24	3.62	4.14	4.60
Heavy Fuel Oil	3.85	4.84	4.96	4.79	4.65	4.89	4.82	4.72	4.53
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1506.4</b>	<b>1711.0</b>	<b>1729.4</b>	<b>1892.2</b>	<b>2180.2</b>	<b>2296.1</b>	<b>2452.0</b>	<b>2511.1</b>	<b>2607.0</b>
Electricity	171.8	179.2	184.2	198.0	215.4	226.2	249.6	273.5	293.2
Oil	423.9	467.7	500.7	512.2	550.5	574.5	610.5	650.5	688.2
Natural Gas	695.2	817.8	804.4	839.1	955.3	1032.4	1121.0	1172.3	1204.9
Liquid Petroleum Gases and Ethane	156.9	181.9	178.6	279.7	392.5	397.4	402.4	343.5	348.3
Coal, Coke and Coke Oven Gas	1.5	1.4	0.8	0.9	0.9	1.0	1.0	1.0	1.0
Steam	4.6	7.7	4.1	4.1	4.2	4.1	4.2	4.2	4.1
Hog Fuel, Pulping Liquor and Wood	52.4	55.3	56.5	58.1	61.2	60.3	63.4	66.0	67.0
Solar	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>219.0</b>	<b>247.5</b>	<b>229.9</b>	<b>240.5</b>	<b>256.4</b>	<b>264.1</b>	<b>271.3</b>	<b>276.4</b>	<b>279.4</b>
Electricity	28.6	30.0	29.8	32.2	35.4	37.1	39.3	41.4	43.6
Oil	24.7	26.6	29.7	28.3	29.8	32.4	35.8	39.3	41.3
Natural Gas	162.0	186.6	166.8	176.1	187.0	190.3	191.9	191.4	190.2
Liquid Petroleum Gases	2.0	2.2	2.2	2.4	2.6	2.6	2.7	2.8	2.8
Wood	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
Solar	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Coal	1.0	1.1	0.6	0.6	0.7	0.7	0.7	0.7	0.7
<b>Commercial Sector</b>	<b>131.6</b>	<b>129.7</b>	<b>132.4</b>	<b>140.6</b>	<b>152.3</b>	<b>158.3</b>	<b>169.5</b>	<b>181.1</b>	<b>188.5</b>
Electricity	42.3	43.9	45.5	50.8	54.6	56.6	60.7	65.0	68.0
Oil	2.3	2.4	3.0	2.8	3.0	3.1	3.4	3.6	3.8
Natural Gas	77.7	73.7	69.6	79.6	86.6	90.1	96.3	102.7	106.5
Liquid Petroleum Gases	9.3	9.7	14.4	7.5	8.1	8.5	9.1	9.8	10.3
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>562.2</b>	<b>626.0</b>	<b>663.2</b>	<b>718.9</b>	<b>817.4</b>	<b>873.0</b>	<b>963.8</b>	<b>1016.8</b>	<b>1045.4</b>
Electricity	100.8	105.0	108.7	114.8	125.2	132.3	149.4	166.8	181.5
Oil	76.9	91.8	93.6	96.1	100.9	99.0	103.7	107.6	108.9
Natural Gas	243.8	269.8	295.1	310.8	342.3	347.5	377.3	406.6	428.0
Liquid Petroleum Gases	12.2	9.5	13.3	13.6	14.1	13.7	14.2	14.5	14.4
Coal, Coke and Coke Oven Gas	0.4	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Steam	4.6	7.7	4.1	4.1	4.2	4.1	4.2	4.2	4.1
Hog Fuel and Pulping Liquor	51.8	54.5	55.7	57.3	60.4	59.5	62.6	65.3	66.3
Natural Gas for Bitumen Extraction	71.6	87.4	92.4	121.9	170.0	216.6	252.0	251.5	241.7
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>268.8</b>	<b>280.2</b>	<b>293.7</b>	<b>305.9</b>	<b>334.0</b>	<b>353.7</b>	<b>378.5</b>	<b>407.8</b>	<b>438.9</b>
Oil	258.1	268.4	285.6	296.0	323.7	343.2	367.7	396.7	427.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	10.7	11.8	8.1	9.9	10.2	10.5	10.9	11.2	11.5



<b>Non-Energy</b>	<b>324.8</b>	<b>427.5</b>	<b>410.2</b>	<b>486.3</b>	<b>620.0</b>	<b>646.9</b>	<b>668.9</b>	<b>629.0</b>	<b>654.8</b>
Natural Gas	139.2	200.2	180.6	150.8	169.4	187.9	203.4	220.2	238.4
Oil	12.2	12.0	14.7	13.5	15.6	17.5	19.0	20.5	22.2
Liquid Petroleum Gases	22.3	19.6	29.7	33.7	38.3	42.9	46.4	50.1	54.1
Ethane	101.4	129.2	111.1	212.8	319.3	319.3	319.3	255.4	255.4
Asphalt	23.0	23.0	23.7	24.4	25.4	26.3	27.1	27.9	28.7
Lubricants and Greases	6.0	6.0	5.4	6.4	6.6	6.9	7.1	7.3	7.5
Other (e.g., Naphta Specialties and Petroleum Coke)	20.7	37.4	45.1	44.8	45.4	46.1	46.8	47.6	48.4

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1506.4	1711.0	1729.4	1892.2	2180.2	2296.1	2452.0	2511.1	2607.0
Total Own Use and Conversions	1149.6	1229.5	1251.1	1334.0	1427.9	1493.5	1599.3	1691.7	1733.5
Less Electricity, Steam and Coke	190.2	200.7	203.0	218.0	237.0	247.9	272.5	297.6	321.0
<b>Total Primary Demand</b>	<b>2465.9</b>	<b>2739.8</b>	<b>2777.6</b>	<b>3008.2</b>	<b>3371.1</b>	<b>3541.7</b>	<b>3778.8</b>	<b>3905.2</b>	<b>4019.5</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	562.3	635.3	680.4	691.1	743.1	776.1	824.0	877.7	928.1
Natural Gas	1189.4	1379.8	1394.2	1500.0	1735.4	1877.9	2053.5	2177.2	2208.5
Natural Gas Liquids	166.2	176.0	171.5	277.2	389.4	393.9	399.1	340.3	345.5
Coal	481.5	477.3	466.2	470.8	431.0	422.7	427.8	433.0	459.4
Hydro	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	58.4	63.3	57.3	61.0	64.1	63.1	66.2	68.9	69.9

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	21.3	23.8	22.6	22.1	22.4	22.5	21.5	19.6	18.8
Residential Energy per Household (GJ/Hlds)	193.5	214.1	193.5	189.6	186.6	177.0	167.2	155.5	143.8
Commercial Energy per unit of GDP	5.1	5.1	4.9	4.7	4.5	4.4	4.3	4.3	4.2
Industrial Energy per unit of GDP	22.0	23.8	23.3	22.5	22.4	24.6	24.2	22.9	22.1

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>562.3</b>	<b>635.3</b>	<b>680.4</b>	<b>691.1</b>	<b>743.1</b>	<b>776.1</b>	<b>824.0</b>	<b>877.7</b>	<b>928.1</b>
Aviation Gasoline	0.6	0.5	0.6	0.4	0.4	0.4	0.4	0.4	0.4
Aviation Turbo Fuel	23.8	28.7	29.7	26.1	26.4	27.6	28.9	30.7	33.3
Motor Gasoline	120.7	134.9	141.7	141.9	159.4	171.5	185.7	200.8	215.8
Light Fuel Oil and Kerosene	2.5	3.0	3.2	3.2	3.4	3.3	3.4	3.5	3.5
Diesel Fuel Oil	140.4	161.3	177.3	183.8	195.4	201.2	212.5	226.3	237.8
Heavy Fuel Oil	1.1	1.0	0.9	0.7	0.7	0.7	0.8	0.9	1.0
Petrochemical Feedstock	12.2	12.0	14.7	13.5	15.6	17.5	19.0	20.5	22.2
Refinery LPG	23.5	27.4	29.4	31.3	33.3	34.3	36.1	38.0	39.8
Other (e.g., Lubricants and Asphalt)	237.5	266.5	283.0	290.1	308.6	319.4	337.3	356.6	374.2

[1] Excludes fuels to generate electricity for exports

Table A3.8a: Demand, Case 1, British Columbia and Territories

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	19.19	18.81	17.87	16.82	15.20	14.46	14.46	14.46	15.65
Natural Gas	10.28	11.90	12.46	12.03	11.53	11.65	11.98	12.46	12.89
Light Fuel Oil	18.22	20.05	19.35	18.18	17.74	17.48	17.26	16.89	16.42
<b>Commercial (\$1997/GJ)</b>									
Electricity	14.09	13.81	13.12	12.35	11.16	10.61	10.61	10.61	11.49
Natural Gas	7.93	9.52	10.06	9.68	9.23	9.32	9.61	10.13	10.61
Light Fuel Oil	12.64	14.27	13.64	12.58	12.17	11.88	11.64	11.38	11.03
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.38	10.18	9.67	9.10	8.23	7.82	7.82	7.82	8.47
Natural Gas	2.47	3.77	4.23	3.99	3.73	3.88	4.20	4.71	5.18
Heavy Fuel Oil	3.97	4.95	5.07	4.87	4.74	4.64	4.83	4.85	4.78
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1118.3</b>	<b>1148.7</b>	<b>1131.8</b>	<b>1154.1</b>	<b>1245.0</b>	<b>1325.9</b>	<b>1400.4</b>	<b>1467.8</b>	<b>1534.9</b>
Electricity	209.1	212.3	206.1	212.7	235.9	254.1	271.5	287.3	301.1
Oil	385.5	399.6	410.4	416.3	439.1	465.9	490.8	517.3	551.9
Natural Gas	271.4	302.7	292.8	293.8	322.5	345.4	365.0	381.8	395.0
Liquid Petroleum Gases and Ethane	17.6	12.6	11.9	15.0	15.8	16.5	17.2	17.8	18.4
Coal, Coke and Coke Oven Gas	7.6	7.7	9.3	9.5	10.1	10.5	11.0	11.4	11.7
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	226.8	213.5	201.0	206.5	221.2	233.2	244.5	251.8	256.4
Solar	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>164.8</b>	<b>184.5</b>	<b>178.1</b>	<b>182.6</b>	<b>196.5</b>	<b>204.0</b>	<b>210.4</b>	<b>215.9</b>	<b>219.8</b>
Electricity	54.9	59.6	57.7	59.6	65.3	68.7	72.1	75.7	79.0
Oil	11.3	14.4	14.0	14.5	15.2	15.5	16.0	16.5	16.9
Natural Gas	90.3	101.0	94.8	96.8	104.1	108.1	110.6	112.3	112.8
Liquid Petroleum Gases	1.9	1.5	1.3	1.4	1.6	1.6	1.7	1.7	1.8
Wood	6.1	7.7	7.4	7.4	7.6	7.5	7.3	7.0	6.7
Solar	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Coal	0.0	0.0	2.5	2.5	2.5	2.3	2.3	2.2	2.2
<b>Commercial Sector</b>	<b>110.3</b>	<b>111.8</b>	<b>109.1</b>	<b>111.6</b>	<b>119.6</b>	<b>128.2</b>	<b>135.2</b>	<b>142.5</b>	<b>148.0</b>
Electricity	47.5	48.7	49.0	48.6	51.9	55.7	59.0	62.5	65.3
Oil	12.4	10.9	10.8	10.6	11.2	11.8	12.3	12.7	13.0
Natural Gas	47.5	49.9	46.7	48.8	52.6	56.5	59.5	62.6	64.8
Liquid Petroleum Gases	2.8	2.2	2.7	3.6	3.9	4.2	4.5	4.7	4.9
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>487.6</b>	<b>480.9</b>	<b>461.4</b>	<b>477.9</b>	<b>518.8</b>	<b>555.2</b>	<b>591.1</b>	<b>618.0</b>	<b>639.0</b>
Electricity	106.4	103.5	99.0	104.0	118.3	129.3	140.0	148.7	156.4
Oil	33.7	37.1	37.3	40.5	37.4	38.8	40.0	40.5	40.6
Natural Gas	115.0	125.1	123.3	125.7	140.2	151.4	163.3	172.9	180.8
Liquid Petroleum Gases	4.3	1.7	1.5	1.5	1.7	1.8	1.9	1.9	2.0
Coal, Coke and Coke Oven Gas	7.5	7.7	6.8	7.0	7.7	8.2	8.7	9.2	9.5
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	220.7	205.7	193.6	199.1	213.6	225.7	237.2	244.8	249.7
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>318.5</b>	<b>327.3</b>	<b>337.0</b>	<b>341.4</b>	<b>365.5</b>	<b>389.2</b>	<b>411.1</b>	<b>435.3</b>	<b>468.2</b>
Oil	306.3	315.6	328.0	329.4	353.2	376.6	398.1	422.0	454.5
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	12.2	11.7	9.0	12.0	12.3	12.6	13.0	13.3	13.7

<b>Non-Energy</b>	<b>37.2</b>	<b>44.2</b>	<b>46.1</b>	<b>40.5</b>	<b>44.5</b>	<b>49.3</b>	<b>52.6</b>	<b>56.1</b>	<b>59.9</b>
Natural Gas	14.9	22.6	25.7	18.8	21.9	25.6	27.7	30.0	32.5
Oil	0.4	0.1	0.0	0.4	0.5	0.5	0.5	0.5	0.5
Liquid Petroleum Gases	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	9.6	9.4	9.3	9.8	10.0	10.4	10.8	11.2	11.7
Lubricants and Greases	4.1	4.4	5.1	4.1	4.3	4.4	4.6	4.8	5.0
Other (e.g., Naphta Specialties and Petroleum Coke)	7.8	7.7	5.9	6.8	7.3	7.9	8.5	9.1	9.8

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1118.3	1148.7	1131.8	1154.1	1245.0	1325.9	1400.4	1467.8	1534.9
Total Own Use and Conversions	375.8	385.1	261.0	272.6	323.3	345.6	371.5	395.7	422.2
Less Electricity, Steam and Coke	226.2	243.4	224.3	232.4	259.4	278.6	296.9	313.3	328.4
<b>Total Primary Demand</b>	<b>1267.9</b>	<b>1290.4</b>	<b>1168.5</b>	<b>1194.3</b>	<b>1308.9</b>	<b>1392.9</b>	<b>1475.0</b>	<b>1550.2</b>	<b>1628.7</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	413.1	424.9	434.8	440.5	466.4	495.9	523.4	552.3	589.6
Natural Gas	405.0	403.4	361.4	370.6	410.4	438.7	479.3	512.4	546.0
Natural Gas Liquids	14.0	9.2	8.4	11.9	12.5	13.0	13.6	14.1	14.5
Coal	11.6	14.1	17.3	17.6	39.8	39.7	41.7	42.4	42.9
Hydro	177.5	219.4	141.8	143.5	154.6	168.5	168.6	173.2	175.2
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	248.5	234.9	204.9	210.3	225.1	237.1	248.4	255.7	260.3

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	15.7	16.0	15.4	14.8	14.3	13.5	13.0	12.5	12.0
Residential Energy per Household (GJ/Hlds)	109.6	119.7	113.4	113.0	112.4	107.7	102.9	96.9	89.4
Commercial Energy per unit of GDP	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6
Industrial Energy per unit of GDP	28.4	29.0	27.1	26.5	26.1	25.1	24.8	23.8	22.6

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>413.1</b>	<b>424.9</b>	<b>434.8</b>	<b>440.5</b>	<b>466.4</b>	<b>495.9</b>	<b>523.4</b>	<b>552.3</b>	<b>589.6</b>
Aviation Gasoline	1.1	1.1	1.0	1.2	1.2	1.2	1.2	1.2	1.2
Aviation Turbo Fuel	46.2	53.6	58.3	53.4	54.7	58.1	61.7	66.6	73.5
Motor Gasoline	147.9	150.8	158.4	155.7	169.3	183.4	193.5	204.5	219.4
Light Fuel Oil and Kerosene	18.2	18.2	16.3	17.0	17.5	17.7	18.2	18.5	18.6
Diesel Fuel Oil	128.5	130.8	134.5	141.4	153.8	162.1	171.7	180.7	192.0
Heavy Fuel Oil	29.5	28.2	25.1	29.4	25.5	26.7	27.8	28.9	30.2
Petrochemical Feedstock	0.4	0.1	0.0	0.4	0.5	0.5	0.5	0.5	0.5
Refinery LPG	4.4	4.4	4.5	4.5	4.7	4.9	5.1	5.3	5.6
Other (e.g., Lubricants and Asphalt)	37.0	37.6	36.7	37.4	39.2	41.4	43.7	46.0	48.7

[1] Excludes fuels to generate electricity for exports

Table A3.9a: End Use Demand by Fuel, Case 1, Atlantic Provinces

(petajoules)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Newfoundland</b>	<b>121.8</b>	<b>124.0</b>	<b>129.0</b>	<b>132.1</b>	<b>140.6</b>	<b>147.8</b>	<b>156.5</b>	<b>162.6</b>	<b>166.6</b>
Electricity	35.9	35.5	37.0	38.4	41.2	44.3	47.3	49.8	51.2
Oil Products	72.5	73.1	75.7	76.9	81.9	85.5	90.1	93.1	95.4
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	13.5	15.5	16.3	16.8	17.5	18.0	19.1	19.7	20.0
<b>Prince Edward Island</b>	<b>21.8</b>	<b>23.4</b>	<b>24.2</b>	<b>24.0</b>	<b>25.0</b>	<b>26.0</b>	<b>27.0</b>	<b>27.8</b>	<b>28.3</b>
Electricity	2.8	3.0	3.1	3.1	3.3	3.5	3.6	3.8	3.9
Oil Products	17.7	18.9	19.5	19.5	20.3	21.0	21.7	22.2	22.6
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	1.3	1.5	1.6	1.4	1.4	1.6	1.7	1.8	1.8
<b>Nova Scotia</b>	<b>182.9</b>	<b>183.6</b>	<b>188.0</b>	<b>191.7</b>	<b>201.5</b>	<b>209.5</b>	<b>218.8</b>	<b>225.9</b>	<b>231.1</b>
Electricity	33.4	33.8	34.2	35.2	36.8	38.7	40.8	43.1	44.5
Oil Products	130.4	128.8	133.1	131.7	127.2	129.2	131.4	134.4	137.3
Natural Gas	0.0	0.0	0.0	4.8	16.5	19.2	22.8	24.0	24.6
Other	19.2	21.0	20.7	20.1	21.0	22.3	23.8	24.4	24.7
<b>New Brunswick</b>	<b>207.3</b>	<b>210.3</b>	<b>219.0</b>	<b>218.7</b>	<b>229.0</b>	<b>235.5</b>	<b>248.9</b>	<b>255.1</b>	<b>260.1</b>
Electricity	48.4	49.5	51.3	51.7	53.0	55.4	59.6	61.5	63.3
Oil Products	111.2	114.0	114.5	107.9	100.8	102.8	106.2	108.5	111.7
Natural Gas	0.0	0.0	0.0	7.8	23.9	26.2	30.0	31.2	31.3
Other	47.8	46.8	53.2	51.3	51.4	51.1	53.1	53.9	53.7

Table A3.10a: Transportation Energy Demand, Case 1, Canada

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Demand by Subsector (Petajoules)</b>									
<b>Road Transportation</b>	<b>1655.9</b>	<b>1685.6</b>	<b>1749.9</b>	<b>1807.7</b>	<b>1969.5</b>	<b>2108.1</b>	<b>2254.0</b>	<b>2393.2</b>	<b>2554.9</b>
Motor Gasoline	1214.1	1229.7	1260.1	1289.9	1403.5	1510.6	1612.0	1709.0	1814.9
Diesel	397.9	410.2	452.1	473.7	520.8	551.1	594.6	635.7	690.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	43.9	45.7	37.7	44.1	45.3	46.3	47.4	48.5	49.7
<b>Rail Transportation</b>	<b>80.9</b>	<b>79.1</b>	<b>80.2</b>	<b>82.2</b>	<b>84.4</b>	<b>85.9</b>	<b>88.0</b>	<b>90.0</b>	<b>91.6</b>
Diesel Fuel Oil	80.9	79.1	80.2	82.2	84.4	85.9	87.9	90.0	91.6
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
<b>Air Transportation</b>	<b>185.1</b>	<b>209.5</b>	<b>214.0</b>	<b>216.4</b>	<b>222.2</b>	<b>236.5</b>	<b>252.2</b>	<b>272.8</b>	<b>301.4</b>
Aviation Gasoline	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Aviation Turbo Fuel	181.0	205.4	209.8	212.2	218.1	232.4	248.1	268.7	297.3
<b>Marine Transportation</b>	<b>102.0</b>	<b>101.1</b>	<b>100.3</b>	<b>103.6</b>	<b>108.8</b>	<b>114.3</b>	<b>120.1</b>	<b>126.2</b>	<b>132.6</b>
Diesel Fuel Oil	45.2	45.1	44.9	45.7	48.1	50.6	53.3	56.1	59.1
Heavy Fuel Oil	55.7	55.1	54.4	56.9	59.6	62.5	65.6	68.8	72.1
Other (Gasoline and Light Fuel Oil)	1.1	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4
<b>Factors Affecting Road Transportation Energy Demand</b>									
<b>Passenger Vehicles</b>									
<b>Total Energy Consumption (PJ) [1]</b>	<b>1196.7</b>	<b>1214.4</b>	<b>1243.7</b>	<b>1301.0</b>	<b>1431.9</b>	<b>1549.1</b>	<b>1657.6</b>	<b>1759.9</b>	<b>1868.3</b>
<b>Sales ('000)</b>	<b>1118.6</b>	<b>1161.4</b>	<b>1381.1</b>	<b>1429.2</b>	<b>1558.5</b>	<b>1687.7</b>	<b>1756.0</b>	<b>1770.7</b>	<b>1737.8</b>
Subtotal by Vehicle Type									
Cars	670.2	660.8	738.6	772.1	865.4	936.2	963.2	956.2	926.2
Light Trucks [2]	448.4	500.6	642.5	657.1	693.1	751.6	792.8	814.5	811.5
Share by Engine Technology (percent)									
Internal Combustion	100.0	100.0	100.0	100.0	100.0	99.9	97.1	91.8	85.0
Hybrid-Electric	0.0	0.0	0.0	0.0	0.0	0.1	2.9	8.0	10.0
Fuel Cell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	5.0
<b>Stock ('000)</b>	<b>16507.3</b>	<b>16693.5</b>	<b>16823.1</b>	<b>17334.1</b>	<b>18475.2</b>	<b>19699.6</b>	<b>21114.2</b>	<b>22746.1</b>	<b>24722.1</b>
Subtotal by Vehicle Type									
Cars	12624.6	12686.3	12714.1	12823.9	13260.4	13887.3	14624.2	15565.4	16627.3
Light Trucks	3882.7	4007.2	4109.0	4510.2	5214.8	5812.4	6490.0	7180.7	8094.8
Share by Engine Technology (percent)									
Internal Combustion	100.0	100.0	100.0	100.0	100.0	100.0	99.3	96.6	92.2
Hybrid-Electric	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	6.7
Fuel Cell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
<b>Fuel Economy - New (L/100km) [3]</b>	<b>11.4</b>	<b>11.4</b>	<b>11.6</b>	<b>11.7</b>	<b>11.7</b>	<b>11.7</b>	<b>11.6</b>	<b>11.5</b>	<b>11.3</b>
Cars - gasoline internal combustion [4]	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.8
Light Trucks - gasoline internal combustion [4]	13.7	13.5	13.6	13.9	14.2	14.2	14.2	14.2	14.2
<b>Fuel Economy - Stock (L/100km) [3]</b>	<b>11.0</b>	<b>10.9</b>	<b>10.9</b>	<b>11.0</b>	<b>11.1</b>	<b>11.1</b>	<b>11.2</b>	<b>11.1</b>	<b>11.1</b>
<b>Average km Travelled per Vehicle</b>	<b>19119</b>	<b>19220</b>	<b>19526</b>	<b>19791</b>	<b>20246</b>	<b>20393</b>	<b>20278</b>	<b>20064</b>	<b>19764</b>
<b>Freight Trucks</b>									
<b>Total Energy Consumption (PJ) [1]</b>	<b>421.1</b>	<b>427.4</b>	<b>461.3</b>	<b>467.9</b>	<b>504.2</b>	<b>527.0</b>	<b>564.5</b>	<b>601.3</b>	<b>654.7</b>
<b>Sales ('000)</b>	<b>48.0</b>	<b>43.4</b>	<b>45.6</b>	<b>47.5</b>	<b>47.7</b>	<b>49.4</b>	<b>50.9</b>	<b>52.3</b>	<b>53.8</b>
Subtotal by Truck Type									
Medium-Heavy Trucks [5]	21.6	20.6	21.4	21.6	21.0	21.1	21.1	21.2	21.5
Extra-Heavy Trucks [6]	26.4	22.8	24.3	25.9	26.7	28.3	29.8	31.2	32.3
<b>Stock ('000)</b>	<b>379.9</b>	<b>386.9</b>	<b>383.2</b>	<b>385.7</b>	<b>414.0</b>	<b>437.0</b>	<b>473.0</b>	<b>511.5</b>	<b>575.1</b>
Subtotal by Truck Type									
Medium-Heavy Trucks	182.1	182.6	178.6	174.2	180.8	184.8	194.3	204.4	224.8
Extra-Heavy Trucks	197.8	204.4	204.6	211.5	233.2	252.2	278.7	307.0	350.3
<b>Fuel Economy - New (L/100km) [7]</b>	<b>32.2</b>	<b>31.5</b>	<b>31.5</b>	<b>31.2</b>	<b>30.6</b>	<b>30.0</b>	<b>29.9</b>	<b>29.8</b>	<b>29.6</b>
Medium-Heavy Trucks - diesel internal combustion [8]	21.6	21.4	21.3	20.9	20.2	19.6	19.4	19.2	19.0
Extra-Heavy Trucks - diesel internal combustion	40.6	40.4	40.2	39.5	38.5	37.5	37.2	36.9	36.5
<b>Fuel Economy - Stock (L/100km) [7]</b>	<b>35.3</b>	<b>35.1</b>	<b>35.0</b>	<b>34.5</b>	<b>33.7</b>	<b>33.1</b>	<b>32.6</b>	<b>32.2</b>	<b>31.9</b>
Medium-Heavy Trucks	23.2	22.9	22.6	22.0	21.4	20.7	20.2	19.8	19.5
Extra-Heavy Trucks	42.6	42.2	41.9	41.0	39.9	38.9	38.1	37.5	37.0
<b>Average km travelled per truck</b>	<b>81160</b>	<b>81399</b>	<b>88922</b>	<b>90977</b>	<b>93322</b>	<b>94225</b>	<b>94736</b>	<b>94405</b>	<b>92225</b>

[1] Motor gasoline used for agricultural vehicles is included in road transportation, but has been excluded from the breakdown into passenger and freight vehicles

[2] Light trucks include pickup trucks, full-sized vans, minivans and sport utility vehicles

[3] Fuel economy for diesel light trucks has been converted to a gasoline equivalent to calculate the weighted average fuel economy for passenger vehicles

[4] Hybrid-electric (introduced 2010) and fuel cell (introduced 2018) vehicles are considered to be 25 and 33 percent more efficient than comparable gasoline internal combustion engine vehicles. Diesel internal combustion light trucks are considered to be 17 percent more efficient.

[5] Medium-heavy trucks weigh between 4545 kg and 15000 kg

[6] Extra-heavy trucks weigh more than 15000 kg

[7] Fuel economy for gasoline medium-heavy trucks has been converted to a diesel equivalent to calculate the weighted average fuel economy for freight trucks

[8] Gasoline medium-heavy trucks are considered to be 18 percent less efficient than comparable diesel trucks

Table A3.1b: Demand, Case 2, Canada

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	22.77	22.76	22.31	21.13	20.55	20.62	21.24	22.15	23.27
Natural Gas	9.11	9.55	10.47	10.59	10.66	11.01	11.76	12.60	12.90
Light Fuel Oil	15.49	16.98	16.30	15.01	14.42	14.08	13.80	13.50	13.09
<b>Commercial (\$1997/GJ)</b>									
Electricity	19.63	19.58	19.30	18.30	17.77	17.77	18.22	18.95	19.85
Natural Gas	6.99	7.50	8.41	8.58	8.72	9.00	9.67	10.43	10.66
Light Fuel Oil	11.35	12.61	12.01	11.00	10.55	10.19	9.89	9.58	9.18
<b>Industrial (\$1997/GJ)</b>									
Electricity	13.60	13.56	13.36	12.73	12.44	12.53	12.96	13.61	14.40
Natural Gas	3.39	3.79	4.48	4.80	5.11	5.52	6.27	7.10	7.47
Heavy Fuel Oil	4.06	4.84	4.97	4.88	4.75	4.84	5.05	5.02	4.88
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>7978.6</b>	<b>8406.4</b>	<b>8481.7</b>	<b>8821.4</b>	<b>9471.0</b>	<b>9888.0</b>	<b>10357.8</b>	<b>10671.7</b>	<b>10953.5</b>
Electricity	1681.2	1709.3	1728.1	1802.4	1942.7	2054.8	2197.3	2332.0	2433.5
Oil	3002.0	3129.4	3192.6	3247.7	3416.5	3551.9	3698.2	3838.0	3987.2
Natural Gas	2244.1	2467.6	2429.0	2522.5	2748.2	2902.2	3041.3	3130.6	3165.3
Liquid Petroleum Gases and Ethane	263.2	313.9	302.1	406.2	497.4	512.9	547.1	495.9	508.1
Coal, Coke and Coke Oven Gas	185.0	188.6	190.8	193.1	192.7	186.4	179.0	172.7	162.2
Steam	11.3	25.4	31.7	31.3	31.2	29.8	30.1	30.0	28.8
Hog Fuel, Pulping Liquor and Wood	589.7	570.0	605.3	616.0	640.0	647.7	662.4	670.0	665.8
Solar	2.1	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.6
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>1535.1</b>	<b>1667.6</b>	<b>1606.8</b>	<b>1625.7</b>	<b>1697.6</b>	<b>1747.9</b>	<b>1785.1</b>	<b>1822.8</b>	<b>1850.2</b>
Electricity	510.5	531.6	524.5	542.0	582.6	614.3	639.2	664.8	687.3
Oil	243.9	272.0	266.5	262.6	264.2	264.0	266.1	270.9	274.4
Natural Gas	679.4	749.9	699.4	704.8	733.4	751.9	762.9	771.0	773.9
Liquid Petroleum Gases	15.4	19.4	20.2	21.0	22.4	23.8	24.9	26.0	27.1
Wood	82.0	90.7	89.7	88.8	88.4	87.4	85.6	83.8	81.5
Solar	2.1	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.6
Coal	1.7	2.0	4.4	4.4	4.3	4.0	3.9	3.7	3.5
<b>Commercial Sector</b>	<b>941.8</b>	<b>967.9</b>	<b>983.5</b>	<b>1018.9</b>	<b>1073.1</b>	<b>1121.5</b>	<b>1174.5</b>	<b>1223.9</b>	<b>1255.2</b>
Electricity	419.0	421.0	431.7	448.8	470.1	491.6	516.7	543.3	562.8
Oil	93.4	88.6	94.4	93.7	95.4	100.4	105.5	110.6	115.0
Natural Gas	407.0	424.6	418.3	451.2	480.7	500.5	520.8	537.0	543.4
Liquid Petroleum Gases	22.1	33.3	38.6	24.9	26.6	28.8	31.2	32.7	33.7
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.3	0.4	0.5	0.2	0.3	0.3	0.3	0.3	0.3
<b>Industrial Sector</b>	<b>2766.8</b>	<b>2840.3</b>	<b>2921.1</b>	<b>3077.9</b>	<b>3347.3</b>	<b>3522.5</b>	<b>3756.1</b>	<b>3942.1</b>	<b>4046.4</b>
Electricity	748.6	753.6	769.0	808.6	887.0	945.9	1038.3	1120.8	1180.3
Oil	297.1	323.7	305.9	310.4	319.6	339.5	378.7	431.8	484.4
Natural Gas	912.7	961.7	994.7	1061.7	1181.1	1233.8	1306.2	1351.7	1361.8
Liquid Petroleum Gases	34.7	22.8	25.9	27.0	29.0	30.7	32.5	33.5	33.8
Coal, Coke and Coke Oven Gas	183.3	186.7	186.4	188.7	188.4	182.4	175.2	169.0	158.8
Steam	11.0	25.0	31.1	31.0	30.8	29.4	29.8	29.6	28.4
Hog Fuel and Pulping Liquor	507.7	479.3	515.6	527.2	551.6	560.3	576.8	586.1	584.3
Natural Gas for Bitumen Extraction	71.6	87.4	92.4	123.4	159.7	200.5	218.6	219.4	214.5
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>2023.8</b>	<b>2075.4</b>	<b>2144.4</b>	<b>2202.8</b>	<b>2334.6</b>	<b>2417.6</b>	<b>2489.5</b>	<b>2536.9</b>	<b>2593.8</b>
Oil	1980.0	2029.7	2106.7	2158.7	2289.3	2371.3	2442.1	2488.3	2544.1
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	43.9	45.7	37.7	44.1	45.3	46.3	47.4	48.6	49.7

<b>Non-Energy</b>	<b>711.1</b>	<b>855.1</b>	<b>825.9</b>	<b>896.0</b>	<b>1018.5</b>	<b>1078.5</b>	<b>1152.7</b>	<b>1146.1</b>	<b>1207.9</b>
Natural Gas	165.5	236.2	220.0	174.5	186.2	208.2	225.4	243.9	264.0
Oil	154.2	162.3	160.5	156.7	172.0	188.8	204.1	220.7	238.7
Liquid Petroleum Gases	46.1	63.6	66.8	74.7	84.1	93.5	101.2	109.3	118.1
Ethane	111.8	139.9	120.1	224.5	300.2	300.2	320.3	256.4	256.4
Asphalt	123.2	125.0	126.5	128.2	132.2	136.9	142.6	148.2	154.0
Lubricants and Greases	39.6	38.4	38.1	41.3	42.6	44.2	46.2	48.2	50.2
Other (e.g., Naphta Specialties and Petroleum Coke)	70.6	89.7	94.0	96.2	101.2	106.7	112.7	119.3	126.5

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	7978.6	8406.4	8481.7	8821.4	9471.0	9888.0	10357.8	10671.7	10953.5
Total Own Use and Conversions	4757.7	4831.8	4618.2	4821.5	5243.2	5434.1	5754.1	5875.8	5946.0
Less Electricity, Steam and Coke	1976.8	2035.2	2039.0	2119.0	2271.9	2381.7	2523.7	2658.2	2761.9
<b>Total Primary Demand</b>	<b>10759.4</b>	<b>11202.9</b>	<b>11060.9</b>	<b>11523.9</b>	<b>12442.2</b>	<b>12940.4</b>	<b>13588.3</b>	<b>13889.3</b>	<b>14137.6</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	3452.4	3591.3	3696.9	3733.4	3902.6	4057.6	4218.8	4369.7	4550.0
Natural Gas	3180.0	3432.0	3384.8	3670.1	4029.2	4303.5	4570.6	4790.4	4937.2
Natural Gas Liquids	278.4	307.2	293.4	411.5	500.3	510.7	544.1	491.3	501.3
Coal	1031.5	1071.4	1137.1	1186.0	1098.7	1158.0	1171.7	1113.2	1070.0
Hydro	1080.1	1145.3	983.4	1018.9	1070.1	1136.4	1163.1	1194.1	1238.3
Nuclear	1109.0	1062.4	937.8	851.3	1161.4	1083.9	1215.0	1217.3	1131.7
Renewable Fuels	631.6	611.4	627.5	652.8	679.9	690.3	705.0	713.1	709.0

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	14.7	15.3	14.9	13.9	13.2	12.5	11.7	10.9	10.2
Residential Energy per Household (GJ/Hlds)	128.7	137.8	130.2	126.8	123.7	118.7	112.2	105.6	98.6
Commercial Energy per unit of GDP	3.6	3.7	3.6	3.4	3.2	3.1	3.0	2.9	2.8
Industrial Energy per unit of GDP	17.6	18.1	17.7	16.3	15.5	15.2	14.5	13.6	12.9

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>3452.4</b>	<b>3591.3</b>	<b>3696.9</b>	<b>3733.4</b>	<b>3902.6</b>	<b>4057.6</b>	<b>4218.8</b>	<b>4369.7</b>	<b>4550.0</b>
Aviation Gasoline	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Aviation Turbo Fuel	181.0	205.4	209.8	208.2	212.1	225.9	241.2	258.6	285.8
Motor Gasoline	1145.1	1177.8	1206.9	1218.3	1294.1	1336.1	1353.4	1353.3	1346.8
Light Fuel Oil and Kerosene	230.2	251.8	234.5	236.2	232.9	233.1	234.5	238.5	244.1
Diesel Fuel Oil	758.9	790.8	847.5	871.5	932.5	963.5	1019.9	1061.2	1095.6
Heavy Fuel Oil	310.2	287.9	302.2	292.2	272.8	296.0	317.1	355.8	424.6
Petrochemical Feedstock	154.2	162.3	160.5	156.7	172.0	188.8	204.1	220.7	238.7
Refinery LPG	62.7	68.0	72.8	74.6	79.8	84.9	88.2	90.6	93.0
Other (e.g., Lubricants and Asphalt)	605.9	643.0	658.6	671.6	702.3	725.2	756.2	786.8	817.4

[1] Excludes fuels to generate electricity for exports

Table A3.2b: Demand, Case 2, Atlantic Total

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	25.42	25.98	26.41	24.86	24.59	24.59	24.59	25.84	27.98
Natural Gas	n/a	n/a	n/a	12.50	12.40	12.41	13.01	13.73	13.74
Light Fuel Oil	15.49	16.75	16.15	14.91	14.32	14.00	13.72	13.41	13.00
<b>Commercial (\$1997/GJ)</b>									
Electricity	22.24	22.73	23.11	21.75	21.52	21.52	21.52	22.61	24.48
Natural Gas	n/a	n/a	n/a	10.23	9.90	9.53	10.20	11.35	11.02
Light Fuel Oil	11.11	12.20	11.67	10.68	10.23	9.88	9.60	9.30	8.92
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.55	14.87	15.12	14.23	14.08	14.08	14.08	14.79	16.01
Natural Gas	n/a	n/a	n/a	5.44	5.49	5.50	6.06	6.90	6.91
Heavy Fuel Oil	3.75	4.39	4.52	4.41	4.29	4.30	4.48	4.63	4.68
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>534.1</b>	<b>541.3</b>	<b>560.1</b>	<b>562.1</b>	<b>598.8</b>	<b>607.5</b>	<b>645.5</b>	<b>650.5</b>	<b>650.5</b>
Electricity	120.4	121.7	125.5	128.1	131.6	136.1	142.4	146.4	148.5
Oil	331.8	334.7	342.9	336.1	339.6	345.3	353.2	353.8	352.9
Natural Gas	0.0	0.0	0.0	9.1	21.7	21.0	22.3	22.6	22.6
Liquid Petroleum Gases and Ethane	5.2	7.3	9.1	7.2	25.7	28.7	50.9	51.5	52.0
Coal, Coke and Coke Oven Gas	6.2	6.6	7.5	7.4	7.2	6.8	6.6	6.2	5.6
Steam	3.3	4.8	4.6	4.0	3.0	1.8	1.9	1.9	1.8
Hog Fuel, Pulping Liquor and Wood	67.2	66.2	70.6	70.2	70.1	67.8	68.2	68.1	67.1
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>107.3</b>	<b>111.3</b>	<b>114.4</b>	<b>113.6</b>	<b>114.9</b>	<b>116.3</b>	<b>117.2</b>	<b>117.8</b>	<b>117.5</b>
Electricity	42.5	43.5	44.5	44.7	46.5	48.7	50.6	51.6	52.0
Oil	47.3	48.6	51.2	50.2	48.6	45.8	42.8	41.2	39.4
Natural Gas	0.0	0.0	0.0	0.0	0.9	2.5	4.0	4.9	6.0
Liquid Petroleum Gases	0.8	1.8	1.7	1.9	2.0	2.4	2.9	3.3	3.6
Wood	16.1	16.7	16.4	16.2	16.3	16.3	16.3	16.1	15.9
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coal	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
<b>Commercial Sector</b>	<b>60.5</b>	<b>59.1</b>	<b>66.2</b>	<b>62.9</b>	<b>64.7</b>	<b>66.5</b>	<b>68.3</b>	<b>69.7</b>	<b>70.2</b>
Electricity	27.7	28.0	28.3	29.1	29.9	30.0	30.2	30.9	31.2
Oil	31.7	28.6	33.3	30.5	27.8	28.4	29.1	29.7	29.9
Natural Gas	0.0	0.0	0.0	1.2	4.6	4.7	4.7	4.7	4.6
Liquid Petroleum Gases	1.1	2.6	4.6	2.1	2.4	3.3	4.3	4.4	4.5
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>162.1</b>	<b>160.8</b>	<b>167.5</b>	<b>171.5</b>	<b>179.8</b>	<b>180.7</b>	<b>192.2</b>	<b>195.5</b>	<b>196.1</b>
Electricity	50.2	50.2	52.7	54.3	55.2	57.3	61.6	64.0	65.3
Oil	49.1	47.9	46.8	41.8	41.5	44.8	51.3	53.2	54.6
Natural Gas	0.0	0.0	0.0	7.9	16.1	13.8	13.6	12.9	12.1
Liquid Petroleum Gases	2.8	2.5	2.4	2.7	3.6	5.2	6.0	6.1	6.1
Coal, Coke and Coke Oven Gas	5.5	5.9	6.9	6.8	6.6	6.1	6.0	5.5	5.0
Steam	3.3	4.8	4.6	4.0	3.0	1.8	1.9	1.9	1.8
Hog Fuel and Pulping Liquor	51.1	49.5	54.2	53.9	53.8	51.5	51.9	51.9	51.2
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>182.9</b>	<b>189.5</b>	<b>191.2</b>	<b>192.3</b>	<b>199.9</b>	<b>203.9</b>	<b>206.7</b>	<b>206.0</b>	<b>204.6</b>
Oil	182.4	189.0	190.8	191.8	199.4	203.3	206.2	205.5	204.1
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6



<b>Non-Energy</b>	<b>21.4</b>	<b>20.6</b>	<b>20.8</b>	<b>21.8</b>	<b>39.5</b>	<b>40.1</b>	<b>60.9</b>	<b>61.5</b>	<b>62.1</b>
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil	3.6	3.5	3.6	4.0	4.1	4.3	4.4	4.6	4.8
Liquid Petroleum Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethane	0.0	0.0	0.0	0.0	17.1	17.1	37.2	37.2	37.2
Asphalt	14.4	14.5	15.0	15.1	15.5	15.8	16.3	16.6	16.9
Lubricants and Greases	2.5	2.5	2.2	2.7	2.7	2.8	2.9	2.9	3.0
Other (e.g., Naphta Specialties and Petroleum Coke)	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	534.1	541.3	560.1	562.1	598.8	607.5	645.5	650.5	650.5
Total Own Use and Conversions	397.8	434.4	432.4	459.3	461.8	529.5	528.9	509.0	489.9
Less Electricity, Steam and Coke	138.7	141.6	147.2	149.3	151.9	154.8	161.2	164.6	166.3
<b>Total Primary Demand</b>	<b>793.2</b>	<b>834.1</b>	<b>845.4</b>	<b>872.1</b>	<b>908.8</b>	<b>982.2</b>	<b>1013.2</b>	<b>994.8</b>	<b>974.2</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	437.8	430.1	450.7	432.0	418.1	422.0	430.5	415.7	415.8
Natural Gas	0.0	0.0	0.0	34.6	77.0	90.3	98.7	123.9	156.2
Natural Gas Liquids	15.9	14.0	15.6	17.4	36.4	39.0	61.4	62.2	62.6
Coal	111.6	125.3	119.9	119.2	132.8	124.0	114.8	85.5	58.1
Hydro	136.5	138.4	151.4	147.1	148.5	212.6	213.1	213.1	213.1
Nuclear	19.1	54.6	35.9	50.3	24.6	25.2	25.2	25.2	0.0
Renewable Fuels	72.3	71.7	71.8	71.5	71.4	69.1	69.5	69.4	68.4

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	16.6	16.6	17.0	15.3	14.5	13.5	13.3	12.4	11.6
Residential Energy per Household (GJ/Hlds)	119.0	124.4	125.7	123.6	120.3	116.8	113.2	110.0	106.5
Commercial Energy per unit of GDP	3.6	3.5	3.9	3.5	3.4	3.3	3.2	3.1	3.0
Industrial Energy per unit of GDP	24.0	23.8	24.2	19.9	17.9	16.8	16.9	16.4	15.6

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>437.8</b>	<b>430.1</b>	<b>450.7</b>	<b>432.0</b>	<b>418.1</b>	<b>422.0</b>	<b>430.5</b>	<b>415.7</b>	<b>415.8</b>
Aviation Gasoline	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Aviation Turbo Fuel	17.9	20.1	18.6	21.0	21.3	22.6	24.0	25.7	28.2
Motor Gasoline	85.7	90.6	90.0	87.6	90.8	92.4	90.8	86.8	81.7
Light Fuel Oil and Kerosene	67.5	67.6	71.3	68.6	62.1	59.6	57.6	55.2	53.5
Diesel Fuel Oil	70.3	73.0	79.9	77.3	83.6	84.9	98.4	107.1	108.0
Heavy Fuel Oil	143.0	126.3	135.6	123.7	105.9	105.9	100.5	81.6	84.3
Petrochemical Feedstock	3.6	3.5	3.6	4.0	4.1	4.3	4.4	4.6	4.8
Refinery LPG	7.5	8.4	10.0	8.4	9.1	10.9	12.3	12.6	12.9
Other (e.g., Lubricants and Asphalt)	42.0	40.4	41.5	41.1	40.8	41.3	42.3	41.9	42.2

[1] Excludes fuels to generate electricity for exports

Table A3.3b: Demand, Case 2, Québec

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	19.01	19.01	18.63	17.53	16.84	16.84	17.70	18.58	19.49
Natural Gas	13.94	14.46	15.45	15.52	15.51	15.82	16.56	17.42	17.73
Light Fuel Oil	14.52	15.81	15.18	13.92	13.35	13.03	12.76	12.45	12.04
<b>Commercial (\$1997/GJ)</b>									
Electricity	17.39	17.39	17.04	16.04	15.40	15.40	16.19	17.00	17.82
Natural Gas	9.92	10.24	11.22	11.43	11.56	11.82	12.50	13.29	13.56
Light Fuel Oil	11.10	12.26	11.70	10.66	10.20	9.85	9.56	9.25	8.86
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.25	10.25	10.05	9.46	9.08	9.08	9.55	10.02	10.51
Natural Gas	4.53	4.82	5.63	5.97	6.29	6.71	7.50	8.41	8.87
Heavy Fuel Oil	4.30	5.03	5.19	5.14	5.00	5.11	5.36	5.24	5.03
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1635.9</b>	<b>1663.0</b>	<b>1709.3</b>	<b>1792.0</b>	<b>1900.1</b>	<b>1976.3</b>	<b>2048.6</b>	<b>2108.4</b>	<b>2146.0</b>
Electricity	586.7	596.8	609.3	634.2	675.7	705.1	740.7	773.9	794.0
Oil	641.6	659.3	649.8	678.8	713.8	747.3	776.4	801.0	826.8
Natural Gas	228.0	238.8	243.2	263.5	284.8	293.7	296.4	294.9	286.9
Liquid Petroleum Gases and Ethane	24.2	19.7	22.4	25.2	26.9	28.6	30.2	31.9	33.7
Coal, Coke and Coke Oven Gas	24.3	24.8	25.0	25.4	25.6	24.8	24.0	22.9	21.1
Steam	0.2	1.6	1.3	1.2	1.1	0.9	0.8	0.5	0.3
Hog Fuel, Pulping Liquor and Wood	130.6	121.6	157.9	163.3	171.7	175.5	179.6	182.9	182.9
Solar	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>316.5</b>	<b>331.2</b>	<b>330.9</b>	<b>334.5</b>	<b>346.6</b>	<b>355.0</b>	<b>357.5</b>	<b>361.1</b>	<b>363.6</b>
Electricity	186.2	191.3	194.4	198.9	209.8	217.8	221.8	226.5	229.9
Oil	65.8	69.9	65.4	65.0	65.8	66.4	66.5	66.9	67.8
Natural Gas	26.8	28.2	28.2	28.2	28.9	29.8	30.0	30.3	30.4
Liquid Petroleum Gases	1.9	1.8	3.4	3.4	3.6	3.7	3.8	3.8	3.9
Wood	35.3	39.5	39.1	38.5	38.0	36.9	35.0	33.1	31.1
Solar	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Commercial Sector</b>	<b>199.3</b>	<b>199.6</b>	<b>202.7</b>	<b>210.4</b>	<b>219.9</b>	<b>228.4</b>	<b>236.6</b>	<b>243.6</b>	<b>246.6</b>
Electricity	109.9	109.9	111.1	115.3	120.0	124.8	129.7	134.4	136.9
Oil	22.7	22.1	21.3	23.1	25.3	27.8	30.2	32.5	34.3
Natural Gas	63.9	64.3	65.4	68.7	71.1	72.3	73.0	73.0	71.6
Liquid Petroleum Gases	2.7	3.3	5.0	3.3	3.4	3.5	3.7	3.8	3.8
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>624.3</b>	<b>625.9</b>	<b>668.3</b>	<b>708.0</b>	<b>768.8</b>	<b>808.5</b>	<b>854.4</b>	<b>896.7</b>	<b>921.4</b>
Electricity	289.4	294.5	302.8	318.9	344.8	361.3	388.0	411.8	426.0
Oil	73.8	75.7	69.8	70.1	77.7	89.8	102.1	118.4	135.6
Natural Gas	136.3	145.4	148.8	165.8	184.0	190.9	192.7	190.8	184.0
Liquid Petroleum Gases	5.1	1.8	1.8	1.9	2.1	2.2	2.3	2.4	2.5
Coal, Coke and Coke Oven Gas	24.3	24.8	25.0	25.4	25.6	24.8	24.0	22.9	21.1
Steam	0.2	1.6	1.3	1.2	1.1	0.9	0.8	0.5	0.3
Hog Fuel and Pulping Liquor	95.3	82.1	118.8	124.8	133.6	138.6	144.6	149.7	151.8
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>416.0</b>	<b>422.1</b>	<b>425.9</b>	<b>450.4</b>	<b>470.5</b>	<b>483.6</b>	<b>492.0</b>	<b>490.9</b>	<b>489.8</b>
Oil	412.0	418.9	422.5	446.6	466.7	479.8	488.1	487.0	486.0
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	4.0	3.2	3.3	3.8	3.8	3.8	3.8	3.8	3.9

<b>Non-Energy</b>	<b>79.8</b>	<b>84.2</b>	<b>81.6</b>	<b>88.7</b>	<b>94.3</b>	<b>100.7</b>	<b>108.2</b>	<b>116.1</b>	<b>124.7</b>
Natural Gas	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
Oil	8.8	12.8	9.0	10.1	10.7	11.6	12.6	13.6	14.7
Liquid Petroleum Gases	11.6	10.8	10.1	13.9	15.2	16.5	17.8	19.3	20.8
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	29.6	29.2	27.8	30.2	30.9	31.9	33.3	34.7	36.1
Lubricants and Greases	5.3	5.3	6.5	5.4	5.5	5.7	6.0	6.2	6.5
Other (e.g., Naphta Specialties and Petroleum Coke)	23.7	25.4	27.4	28.3	31.1	34.3	37.8	41.7	45.9

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1635.9	1663.0	1709.3	1792.0	1900.1	1976.3	2048.6	2108.4	2146.0
Total Own Use and Conversions	692.8	707.2	631.2	671.2	717.3	644.6	728.0	761.8	745.7
Less Electricity, Steam and Coke	637.0	650.4	661.5	688.2	732.6	762.0	798.0	831.1	852.0
<b>Total Primary Demand</b>	<b>1691.7</b>	<b>1719.8</b>	<b>1679.0</b>	<b>1775.0</b>	<b>1884.8</b>	<b>1858.9</b>	<b>1978.6</b>	<b>2039.1</b>	<b>2039.8</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	695.2	711.0	710.6	734.7	772.6	809.4	841.0	867.6	895.6
Natural Gas	228.8	241.2	249.1	267.8	289.9	302.7	310.2	313.7	309.7
Natural Gas Liquids	21.3	17.6	20.5	24.6	26.2	26.9	28.4	29.9	31.3
Coal	20.8	24.5	24.7	25.0	25.2	24.5	23.7	22.6	20.9
Hydro	539.6	540.1	456.5	489.1	525.8	503.7	518.6	545.3	582.7
Nuclear	54.6	63.4	52.9	59.7	59.7	0.0	60.4	60.4	0.0
Renewable Fuels	131.4	122.0	164.8	174.0	185.3	191.7	196.2	199.6	199.6

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	13.7	13.9	13.9	13.2	12.4	11.8	11.1	10.4	9.8
Residential Energy per Household (GJ/Hlds)	105.7	108.8	106.3	104.7	102.4	98.8	93.5	88.7	83.9
Commercial Energy per unit of GDP	3.3	3.2	3.2	3.1	2.9	2.8	2.7	2.7	2.6
Industrial Energy per unit of GDP	18.3	19.1	19.8	18.1	17.3	16.9	16.1	15.0	14.1

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>695.2</b>	<b>711.0</b>	<b>710.6</b>	<b>734.7</b>	<b>772.6</b>	<b>809.4</b>	<b>841.0</b>	<b>867.6</b>	<b>895.6</b>
Aviation Gasoline	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Aviation Turbo Fuel	30.2	32.8	28.0	37.7	39.0	42.1	45.6	49.6	55.5
Motor Gasoline	258.0	262.0	262.2	269.6	280.4	282.9	280.4	273.5	263.9
Light Fuel Oil and Kerosene	81.4	87.1	80.4	82.4	84.8	87.3	89.4	91.8	94.2
Diesel Fuel Oil	133.1	128.1	140.0	144.9	154.9	164.0	172.8	176.0	179.4
Heavy Fuel Oil	74.5	77.1	79.4	74.6	81.1	92.9	104.5	120.3	137.5
Petrochemical Feedstock	8.8	12.8	9.0	10.1	10.8	11.6	12.6	13.6	14.7
Refinery LPG	9.6	8.7	8.8	9.2	9.7	10.6	11.0	11.4	11.7
Other (e.g., Lubricants and Asphalt)	99.0	101.8	102.0	105.6	111.3	117.4	124.1	130.9	138.0

[1] Excludes fuels to generate electricity for exports

Table A3.4b: Demand, Case 2, Ontario

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	28.53	28.53	27.96	26.31	25.27	25.27	25.90	26.54	27.19
Natural Gas	9.48	9.74	10.65	10.79	10.87	11.19	11.90	12.72	13.05
Light Fuel Oil	16.42	18.07	17.40	16.06	15.45	15.12	14.83	14.51	14.08
<b>Commercial (\$1997/GJ)</b>									
Electricity	23.56	23.56	23.09	21.73	20.87	20.87	21.39	21.91	22.46
Natural Gas	7.10	7.41	8.34	8.58	8.75	9.03	9.71	10.49	10.77
Light Fuel Oil	11.55	13.06	12.46	11.37	10.91	10.55	10.25	9.93	9.54
<b>Industrial (\$1997/GJ)</b>									
Electricity	21.27	21.27	20.84	19.62	18.84	18.84	19.31	19.78	20.27
Natural Gas	4.19	4.46	5.23	5.54	5.84	6.24	6.98	7.84	8.27
Heavy Fuel Oil	4.07	5.03	5.19	4.99	4.85	4.97	5.15	5.04	4.85
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>2580.5</b>	<b>2719.3</b>	<b>2726.4</b>	<b>2815.2</b>	<b>3037.7</b>	<b>3215.3</b>	<b>3412.6</b>	<b>3605.0</b>	<b>3761.5</b>
Electricity	482.8	485.4	482.3	510.1	564.2	615.4	678.4	741.4	794.2
Oil	987.5	1029.9	1048.1	1067.3	1144.2	1204.5	1274.7	1356.7	1445.9
Natural Gas	820.4	869.6	862.1	898.3	979.8	1043.4	1105.1	1149.7	1168.9
Liquid Petroleum Gases and Ethane	50.2	84.5	69.2	70.9	76.5	81.9	86.9	92.0	97.0
Coal, Coke and Coke Oven Gas	140.6	142.7	142.1	143.9	143.0	137.7	130.9	126.1	118.2
Steam	3.2	11.4	21.8	22.0	22.9	23.2	23.7	23.8	23.1
Hog Fuel, Pulping Liquor and Wood	95.1	95.2	100.1	102.0	106.4	108.5	112.0	114.4	113.3
Solar	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>568.7</b>	<b>618.1</b>	<b>588.9</b>	<b>598.2</b>	<b>631.0</b>	<b>661.3</b>	<b>687.1</b>	<b>715.7</b>	<b>741.6</b>
Electricity	159.8	166.8	158.7	166.1	183.8	199.8	213.2	228.0	242.5
Oil	53.8	67.9	60.5	60.4	61.1	61.0	61.9	64.6	68.2
Natural Gas	328.2	351.4	338.6	340.3	353.9	366.8	376.8	386.2	392.5
Liquid Petroleum Gases	6.1	10.5	9.4	9.7	10.5	11.1	11.7	12.3	12.9
Wood	20.1	20.8	20.9	20.8	20.9	21.7	22.5	23.5	24.4
Solar	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0
Coal	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
<b>Commercial Sector</b>	<b>353.2</b>	<b>373.9</b>	<b>377.6</b>	<b>396.6</b>	<b>422.4</b>	<b>446.3</b>	<b>473.9</b>	<b>502.3</b>	<b>523.2</b>
Electricity	163.2	161.1	164.0	173.9	184.4	195.3	208.7	223.5	235.5
Oil	20.3	19.9	19.7	22.5	24.0	25.2	26.6	28.3	30.2
Natural Gas	164.8	179.2	184.7	193.3	206.8	218.0	230.2	241.6	248.1
Liquid Petroleum Gases	4.6	13.3	8.7	6.6	7.1	7.5	8.1	8.6	9.1
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.2	0.4	0.5	0.2	0.3	0.3	0.3	0.3	0.3
<b>Industrial Sector</b>	<b>754.4</b>	<b>776.5</b>	<b>780.9</b>	<b>825.5</b>	<b>913.7</b>	<b>980.0</b>	<b>1068.0</b>	<b>1152.8</b>	<b>1203.9</b>
Electricity	158.5	156.3	158.3	168.8	194.9	219.1	255.1	288.6	315.0
Oil	51.1	59.2	46.3	50.2	53.8	60.7	76.9	108.0	137.6
Natural Gas	318.7	328.0	329.1	354.8	408.6	447.0	485.8	508.8	514.3
Liquid Petroleum Gases	7.5	5.0	4.6	4.9	5.5	5.9	6.4	7.0	7.3
Coal, Coke and Coke Oven Gas	140.6	142.7	142.1	143.9	143.0	137.7	130.9	126.1	118.2
Steam	2.9	11.0	21.2	21.7	22.6	22.8	23.3	23.4	22.7
Hog Fuel and Pulping Liquor	75.0	74.4	79.2	81.3	85.5	86.8	89.5	90.9	88.9
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>672.7</b>	<b>688.5</b>	<b>727.9</b>	<b>745.0</b>	<b>800.9</b>	<b>836.0</b>	<b>870.6</b>	<b>899.1</b>	<b>933.7</b>
Oil	658.2	671.6	714.2	728.9	784.4	819.1	853.2	881.2	915.3
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	14.5	16.9	13.7	16.1	16.5	17.0	17.4	17.9	18.4

<b>Non-Energy</b>	<b>231.6</b>	<b>262.4</b>	<b>251.1</b>	<b>249.9</b>	<b>269.5</b>	<b>291.7</b>	<b>312.9</b>	<b>335.2</b>	<b>359.2</b>
Natural Gas	5.4	7.3	7.7	6.5	7.1	8.1	8.8	9.5	10.3
Oil	129.2	133.9	133.2	128.7	141.0	154.9	167.7	181.5	196.5
Liquid Petroleum Gases	11.6	33.2	27.0	26.4	29.9	33.4	36.4	39.4	42.6
Ethane	10.4	10.7	8.9	11.7	11.7	11.7	11.7	11.7	11.7
Asphalt	38.9	41.4	43.3	40.8	42.4	44.2	46.6	49.0	51.4
Lubricants and Greases	19.0	17.5	15.8	19.9	20.7	21.6	22.7	23.9	25.1
Other (e.g., Naphta Specialties and Petroleum Coke)	17.0	18.5	15.2	15.8	16.8	17.8	19.0	20.3	21.6

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	2580.5	2719.3	2726.4	2815.2	3037.7	3215.3	3412.6	3605.0	3761.5
Total Own Use and Conversions	1735.0	1654.4	1623.4	1657.3	1900.9	2023.5	2161.2	2244.5	2342.9
Less Electricity, Steam and Coke	655.8	664.3	664.7	692.0	750.3	799.7	860.4	923.0	973.1
<b>Total Primary Demand</b>	<b>3659.7</b>	<b>3709.5</b>	<b>3685.1</b>	<b>3780.4</b>	<b>4188.3</b>	<b>4439.1</b>	<b>4713.3</b>	<b>4926.5</b>	<b>5131.3</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	1091.7	1129.7	1158.4	1179.0	1257.4	1328.8	1401.9	1499.9	1609.9
Natural Gas	988.6	1026.0	1008.8	1127.8	1205.6	1306.7	1384.5	1495.8	1597.4
Natural Gas Liquids	53.9	84.3	68.5	73.8	77.6	80.4	85.2	89.3	93.1
Coal	257.7	278.9	359.1	405.4	313.2	397.4	441.7	430.6	420.9
Hydro	131.2	146.5	132.2	135.4	135.4	142.8	142.8	148.9	148.9
Nuclear	1035.4	944.4	849.1	741.2	1077.0	1058.7	1129.4	1131.7	1131.7
Renewable Fuels	101.7	100.7	109.0	117.8	122.2	124.4	127.9	130.4	129.4

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	12.1	12.6	12.1	11.1	10.5	9.9	9.3	8.7	8.2
Residential Energy per Household (GJ/Hlds)	134.0	143.6	135.6	130.7	127.6	123.5	116.6	109.8	102.3
Commercial Energy per unit of GDP	3.3	3.5	3.4	3.2	3.0	2.9	2.8	2.7	2.6
Industrial Energy per unit of GDP	11.7	11.8	11.2	10.2	9.8	9.5	9.2	8.7	8.3

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>1091.7</b>	<b>1129.7</b>	<b>1158.4</b>	<b>1179.0</b>	<b>1257.4</b>	<b>1328.8</b>	<b>1401.9</b>	<b>1499.9</b>	<b>1609.9</b>
Aviation Gasoline	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2
Aviation Turbo Fuel	52.5	58.3	63.8	60.1	61.8	66.6	71.8	77.8	86.8
Motor Gasoline	424.5	431.4	446.8	456.6	493.1	515.9	531.0	540.0	547.3
Light Fuel Oil and Kerosene	56.9	71.6	60.1	61.7	62.1	62.4	63.7	67.4	72.4
Diesel Fuel Oil	192.2	198.0	214.0	221.7	241.1	250.3	265.8	280.4	299.0
Heavy Fuel Oil	56.9	50.3	55.4	59.9	56.5	66.2	78.9	117.2	158.8
Petrochemical Feedstock	129.2	133.9	133.2	128.7	141.0	154.9	167.7	181.5	196.5
Refinery LPG	15.5	16.7	17.4	18.6	21.0	23.0	23.7	24.6	25.8
Other (e.g., Lubricants and Asphalt)	163.1	168.5	166.6	170.7	179.7	188.4	198.3	209.8	222.1

[1] Excludes fuels to generate electricity for exports

Table A3.5b: Demand, Case 2, Manitoba

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	18.57	18.39	18.57	18.38	18.02	18.02	18.94	19.88	20.85
Natural Gas	10.79	11.12	12.04	12.15	12.20	12.51	13.22	14.04	14.35
Light Fuel Oil	18.09	19.56	18.89	17.51	16.87	16.52	16.22	15.88	15.45
<b>Commercial (\$1997/GJ)</b>									
Electricity	13.09	12.96	13.09	12.95	12.70	12.70	13.35	14.01	14.69
Natural Gas	6.30	6.61	7.54	7.80	7.98	8.28	8.98	9.77	10.07
Light Fuel Oil	9.79	11.40	10.76	9.64	9.20	8.87	8.60	8.31	7.93
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.48	10.37	10.48	10.37	10.16	10.16	10.68	11.22	11.76
Natural Gas	4.29	4.56	5.32	5.64	5.94	6.34	7.08	7.94	8.36
Heavy Fuel Oil	3.53	4.37	4.78	4.86	4.73	4.88	4.96	4.85	4.66
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>249.7</b>	<b>256.4</b>	<b>250.6</b>	<b>263.2</b>	<b>278.7</b>	<b>293.5</b>	<b>305.4</b>	<b>311.9</b>	<b>317.2</b>
Electricity	57.9	59.9	60.0	63.0	67.9	72.1	75.6	79.0	82.4
Oil	99.8	99.5	96.7	103.2	108.4	113.8	119.1	121.1	122.4
Natural Gas	77.3	82.2	77.4	82.6	87.3	92.2	95.1	96.3	97.1
Liquid Petroleum Gases and Ethane	4.9	4.0	5.7	3.5	3.8	4.0	4.2	4.4	4.6
Coal, Coke and Coke Oven Gas	2.2	2.4	2.4	2.4	2.5	2.5	2.5	2.4	2.2
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	7.4	8.0	8.1	8.3	8.5	8.6	8.5	8.4	8.2
Solar	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>67.8</b>	<b>72.2</b>	<b>67.4</b>	<b>69.4</b>	<b>72.5</b>	<b>75.0</b>	<b>76.3</b>	<b>78.2</b>	<b>79.7</b>
Electricity	24.2	25.3	24.5	25.6	27.5	28.7	29.4	30.4	31.4
Oil	12.1	11.7	11.1	11.5	12.0	12.6	13.7	14.9	15.6
Natural Gas	27.0	30.5	27.1	27.5	28.4	29.1	28.8	28.8	28.8
Liquid Petroleum Gases	1.8	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4
Wood	2.3	3.2	3.2	3.2	3.1	2.9	2.7	2.4	2.1
Solar	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Commercial Sector</b>	<b>45.8</b>	<b>48.5</b>	<b>48.2</b>	<b>50.6</b>	<b>52.7</b>	<b>56.0</b>	<b>58.7</b>	<b>59.3</b>	<b>59.9</b>
Electricity	13.8	14.1	14.3	15.1	15.3	16.2	17.1	17.4	17.8
Oil	2.0	2.1	2.3	2.1	2.2	2.3	2.4	2.5	2.6
Natural Gas	28.9	31.1	29.5	32.6	34.2	36.4	38.1	38.2	38.3
Liquid Petroleum Gases	1.0	1.1	2.0	0.9	1.0	1.1	1.1	1.2	1.2
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>48.9</b>	<b>47.9</b>	<b>47.7</b>	<b>50.3</b>	<b>55.6</b>	<b>59.9</b>	<b>64.5</b>	<b>68.2</b>	<b>70.9</b>
Electricity	19.9	20.5	21.2	22.3	25.1	27.2	29.1	31.2	33.2
Oil	4.5	3.8	3.2	3.5	3.4	4.3	5.7	6.8	7.5
Natural Gas	16.2	15.4	15.5	16.4	18.5	19.5	20.4	20.8	20.8
Liquid Petroleum Gases	1.1	1.0	0.5	0.6	0.7	0.8	1.0	1.1	1.2
Coal, Coke and Coke Oven Gas	2.2	2.4	2.4	2.4	2.5	2.5	2.5	2.4	2.2
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	5.0	4.9	4.9	5.1	5.4	5.7	5.9	6.0	6.0
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>78.6</b>	<b>79.2</b>	<b>78.7</b>	<b>83.4</b>	<b>88.2</b>	<b>91.8</b>	<b>94.2</b>	<b>93.8</b>	<b>93.5</b>
Oil	77.7	78.5	76.7	82.7	87.4	91.0	93.4	93.1	92.7
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	0.9	0.8	2.0	0.8	0.8	0.8	0.8	0.8	0.8

<b>Non-Energy</b>	<b>8.6</b>	<b>8.6</b>	<b>8.6</b>	<b>9.5</b>	<b>9.6</b>	<b>10.9</b>	<b>11.6</b>	<b>12.4</b>	<b>13.2</b>
Natural Gas	5.2	5.2	5.2	6.0	6.2	7.3	7.9	8.5	9.2
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquid Petroleum Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	2.3	2.1	2.3	2.3	2.4	2.5	2.6	2.6	2.7
Lubricants and Greases	0.9	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.1
Other (e.g., Naphta Specialties and Petroleum Coke)	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	249.7	256.4	250.6	263.2	278.7	293.5	305.4	311.9	317.2
Total Own Use and Conversions	110.4	119.8	123.7	132.7	137.8	143.5	148.0	150.0	153.9
Less Electricity, Steam and Coke	70.4	73.6	75.2	76.2	82.2	86.7	90.5	94.0	97.9
<b>Total Primary Demand</b>	<b>289.8</b>	<b>302.7</b>	<b>299.1</b>	<b>319.7</b>	<b>334.3</b>	<b>350.3</b>	<b>363.0</b>	<b>367.9</b>	<b>373.2</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	100.7	100.7	97.0	103.5	108.8	114.2	119.5	121.4	122.8
Natural Gas	103.1	108.5	103.9	113.4	116.4	122.7	126.4	131.3	131.8
Natural Gas Liquids	4.8	4.1	5.8	3.5	3.8	4.0	4.2	4.4	4.6
Coal	1.4	5.7	4.9	6.9	7.0	6.5	6.5	2.4	2.2
Hydro	72.5	77.0	79.1	83.7	89.5	94.0	97.5	99.6	103.3
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	8.4	8.4	8.4	8.6	8.9	8.9	8.9	8.8	8.5

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	13.7	13.7	13.0	12.3	11.7	10.9	10.2	9.7	9.1
Residential Energy per Household (GJ/Hlds)	135.3	145.8	133.4	131.2	128.2	123.2	116.2	110.9	105.9
Commercial Energy per unit of GDP	5.0	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.8
Industrial Energy per unit of GDP	13.9	13.3	12.4	11.2	11.0	10.6	10.2	10.2	9.8

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>100.7</b>	<b>100.7</b>	<b>97.0</b>	<b>103.5</b>	<b>108.8</b>	<b>114.2</b>	<b>119.5</b>	<b>121.4</b>	<b>122.8</b>
Aviation Gasoline	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Aviation Turbo Fuel	7.6	8.4	8.7	8.3	8.1	8.3	8.5	8.6	9.1
Motor Gasoline	49.6	48.5	47.5	50.6	52.8	54.7	55.2	54.4	53.1
Light Fuel Oil and Kerosene	2.0	2.3	1.5	1.7	1.7	1.6	1.7	1.7	1.8
Diesel Fuel Oil	36.0	36.5	34.6	38.6	42.3	44.9	48.1	49.9	51.3
Heavy Fuel Oil	1.7	1.3	1.0	0.6	0.1	0.8	1.9	2.6	3.2
Petrochemical Feedstock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Refinery LPG	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (e.g., Lubricants and Asphalt)	3.3	3.3	3.4	3.4	3.4	3.6	3.7	3.8	4.0

[1] Excludes fuels to generate electricity for exports

Table A3.6b: Demand, Case 2, Saskatchewan

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	24.74	24.74	24.74	23.29	22.37	22.37	22.37	23.51	25.45
Natural Gas	8.64	8.81	9.80	9.93	10.06	10.43	11.22	12.14	12.51
Light Fuel Oil	16.29	18.05	17.36	16.00	15.39	15.05	14.77	14.44	14.02
<b>Commercial (\$1997/GJ)</b>									
Electricity	23.36	23.36	23.36	21.98	21.11	21.11	21.11	22.19	24.02
Natural Gas	6.62	6.80	7.73	7.92	8.10	8.40	9.09	9.88	10.18
Light Fuel Oil	9.43	10.98	10.39	9.35	8.94	8.62	8.37	8.09	7.74
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.70	14.70	14.70	13.84	13.29	13.29	13.29	13.97	15.12
Natural Gas	3.33	3.49	4.25	4.52	4.82	5.22	5.96	6.82	7.24
Heavy Fuel Oil	4.60	5.77	5.64	5.25	5.10	4.99	4.92	4.81	4.62
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>353.5</b>	<b>366.7</b>	<b>374.1</b>	<b>379.8</b>	<b>394.3</b>	<b>408.9</b>	<b>422.9</b>	<b>432.6</b>	<b>439.8</b>
Electricity	52.4	54.0	60.7	61.0	64.8	68.7	72.6	76.2	79.5
Oil	131.9	138.7	144.2	138.8	142.2	145.1	148.3	149.8	151.9
Natural Gas	151.8	156.5	149.2	159.8	166.9	174.5	181.4	186.1	188.2
Liquid Petroleum Gases and Ethane	4.2	3.8	5.0	5.0	5.2	5.4	5.5	5.6	5.7
Coal, Coke and Coke Oven Gas	2.7	3.2	3.6	3.7	3.8	3.8	3.8	3.9	3.8
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	10.2	10.2	11.1	11.2	11.2	11.0	10.9	10.6	10.2
Solar	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>90.8</b>	<b>102.8</b>	<b>97.2</b>	<b>97.0</b>	<b>99.4</b>	<b>101.5</b>	<b>104.4</b>	<b>106.1</b>	<b>106.5</b>
Electricity	14.3	15.1	15.0	15.6	16.7	17.8	18.9	19.9	20.8
Oil	28.9	32.7	34.6	33.4	33.6	33.2	33.9	33.9	33.3
Natural Gas	45.1	52.2	43.9	44.3	45.5	47.1	48.3	49.3	49.7
Liquid Petroleum Gases	0.9	0.4	0.9	1.0	1.0	1.1	1.1	1.2	1.2
Wood	1.3	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.0
Solar	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Coal	0.0	0.2	0.7	0.6	0.5	0.4	0.3	0.2	0.1
<b>Commercial Sector</b>	<b>41.2</b>	<b>45.4</b>	<b>47.3</b>	<b>49.2</b>	<b>51.3</b>	<b>53.8</b>	<b>55.2</b>	<b>56.1</b>	<b>56.3</b>
Electricity	14.7	15.3	19.5	17.3	17.9	18.8	19.4	20.0	20.3
Oil	2.0	2.5	4.1	2.2	2.3	2.4	2.5	2.6	2.7
Natural Gas	24.1	26.4	22.5	28.7	30.0	31.4	32.0	32.3	32.1
Liquid Petroleum Gases	0.5	1.2	1.2	1.0	1.1	1.2	1.2	1.2	1.2
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>127.4</b>	<b>122.2</b>	<b>132.0</b>	<b>138.9</b>	<b>146.0</b>	<b>153.0</b>	<b>160.6</b>	<b>167.5</b>	<b>174.4</b>
Electricity	23.4	23.6	26.2	28.1	30.2	32.1	34.3	36.3	38.3
Oil	8.1	8.2	9.0	9.6	9.9	10.1	10.4	11.5	14.5
Natural Gas	82.6	78.0	82.8	86.8	91.3	96.0	101.0	104.6	106.5
Liquid Petroleum Gases	1.7	1.3	1.8	1.9	1.9	2.0	2.1	2.1	2.2
Coal, Coke and Coke Oven Gas	2.7	3.0	3.0	3.1	3.2	3.4	3.5	3.6	3.7
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	8.9	8.2	9.2	9.4	9.4	9.4	9.4	9.3	9.2
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>86.3</b>	<b>88.6</b>	<b>90.0</b>	<b>86.9</b>	<b>89.6</b>	<b>92.3</b>	<b>94.2</b>	<b>94.1</b>	<b>93.6</b>
Oil	85.3	87.6	89.0	85.9	88.6	91.3	93.2	93.1	92.6
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0



<b>Non-Energy</b>	<b>7.8</b>	<b>7.7</b>	<b>7.6</b>	<b>7.8</b>	<b>7.9</b>	<b>8.2</b>	<b>8.5</b>	<b>8.7</b>	<b>9.0</b>
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquid Petroleum Gases	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	5.3	5.3	5.1	5.5	5.6	5.8	6.0	6.2	6.4
Lubricants and Greases	1.8	1.8	2.2	1.8	1.9	1.9	2.0	2.1	2.1
Other (e.g., Naphta Specialties and Petroleum Coke)	0.5	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.4

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	353.5	366.7	374.1	379.8	394.3	408.9	422.9	432.6	439.8
Total Own Use and Conversions	296.3	301.3	295.4	323.7	349.9	363.8	378.4	375.0	368.6
Less Electricity, Steam and Coke	58.5	61.3	63.1	67.9	72.7	76.8	80.8	84.6	88.2
<b>Total Primary Demand</b>	<b>591.4</b>	<b>606.7</b>	<b>606.4</b>	<b>635.6</b>	<b>671.5</b>	<b>695.8</b>	<b>720.5</b>	<b>723.0</b>	<b>720.2</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	151.6	159.8	165.1	159.0	162.9	166.3	169.9	171.6	174.1
Natural Gas	265.1	273.1	267.4	304.4	327.6	354.1	380.6	379.1	384.3
Natural Gas Liquids	2.3	2.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
Coal	146.8	145.6	145.1	141.4	150.1	144.5	139.1	141.5	131.4
Hydro	14.8	15.8	14.3	14.4	14.4	14.4	14.4	14.4	14.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	10.8	10.4	11.3	13.3	13.3	13.2	13.0	12.7	12.4

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	19.6	19.3	18.8	17.1	15.9	14.7	13.8	12.9	12.0
Residential Energy per Household (GJ/Hlds)	164.0	187.4	163.2	159.7	154.4	150.0	144.9	139.5	133.4
Commercial Energy per unit of GDP	5.4	5.7	5.7	5.5	5.2	5.0	4.8	4.6	4.4
Industrial Energy per unit of GDP	28.4	25.5	24.6	22.7	21.9	20.9	21.0	20.9	20.6

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>151.6</b>	<b>159.8</b>	<b>165.1</b>	<b>159.0</b>	<b>162.9</b>	<b>166.3</b>	<b>169.9</b>	<b>171.6</b>	<b>174.1</b>
Aviation Gasoline	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Aviation Turbo Fuel	2.8	3.4	2.7	3.0	3.0	3.0	3.1	3.2	3.5
Motor Gasoline	58.8	59.6	60.2	56.7	57.0	58.4	58.7	58.0	57.0
Light Fuel Oil and Kerosene	1.6	2.1	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Diesel Fuel Oil	58.3	63.1	67.3	66.5	69.4	70.6	73.1	73.9	73.8
Heavy Fuel Oil	3.4	3.8	4.7	3.1	3.1	3.1	3.1	4.1	6.9
Petrochemical Feedstock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Refinery LPG	2.3	2.5	2.7	2.7	2.8	2.9	2.9	3.0	3.0
Other (e.g., Lubricants and Asphalt)	24.1	25.0	25.4	24.9	25.5	26.1	26.8	27.2	27.7

[1] Excludes fuels to generate electricity for exports

Table A3.7b: Demand, Case 2, Alberta

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	20.58	20.58	20.58	20.58	20.58	20.58	20.58	21.63	23.41
Natural Gas	6.65	7.04	7.96	8.19	8.36	8.75	9.55	10.48	10.86
Light Fuel Oil	13.91	15.24	14.62	13.41	12.89	12.60	12.35	12.08	11.71
<b>Commercial (\$1997/GJ)</b>									
Electricity	15.64	15.64	15.64	15.64	15.64	15.64	15.64	16.44	17.80
Natural Gas	4.16	4.57	5.44	5.73	5.96	6.30	7.04	7.87	8.20
Light Fuel Oil	8.57	10.13	9.54	8.52	8.13	7.83	7.59	7.33	6.99
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.41	14.41	14.41	14.41	14.41	14.41	14.41	15.14	16.39
Natural Gas	2.08	2.48	3.19	3.51	3.81	4.20	4.95	5.80	6.23
Heavy Fuel Oil	3.85	4.84	4.96	4.79	4.65	4.89	4.82	4.72	4.53
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1506.4</b>	<b>1711.0</b>	<b>1729.4</b>	<b>1866.5</b>	<b>2053.9</b>	<b>2126.9</b>	<b>2221.8</b>	<b>2231.9</b>	<b>2279.0</b>
Electricity	171.8	179.2	184.2	195.3	208.9	214.7	232.4	249.5	262.2
Oil	423.9	467.7	500.7	509.1	537.6	548.1	567.0	585.5	599.3
Natural Gas	695.2	817.8	804.4	820.3	899.5	954.2	1006.5	1039.4	1056.6
Liquid Petroleum Gases and Ethane	156.9	181.9	178.6	279.4	343.8	348.2	352.6	293.2	297.5
Coal, Coke and Coke Oven Gas	1.5	1.4	0.8	0.9	0.9	0.9	0.9	0.9	0.9
Steam	4.6	7.7	4.1	4.1	4.1	3.8	3.8	3.8	3.6
Hog Fuel, Pulping Liquor and Wood	52.4	55.3	56.5	57.4	59.1	56.8	58.4	59.4	58.9
Solar	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>219.0</b>	<b>247.5</b>	<b>229.9</b>	<b>231.2</b>	<b>241.4</b>	<b>243.0</b>	<b>243.7</b>	<b>242.7</b>	<b>239.6</b>
Electricity	28.6	30.0	29.8	31.3	34.1	35.1	36.2	37.2	38.0
Oil	24.7	26.6	29.7	27.6	28.3	30.0	32.3	34.4	35.0
Natural Gas	162.0	186.6	166.8	168.5	175.0	173.9	171.2	167.3	162.7
Liquid Petroleum Gases	2.0	2.2	2.2	2.3	2.5	2.5	2.5	2.5	2.5
Wood	0.6	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6
Solar	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Coal	1.0	1.1	0.6	0.6	0.7	0.7	0.6	0.6	0.6
<b>Commercial Sector</b>	<b>131.6</b>	<b>129.7</b>	<b>132.4</b>	<b>138.9</b>	<b>146.8</b>	<b>149.3</b>	<b>156.6</b>	<b>163.7</b>	<b>166.7</b>
Electricity	42.3	43.9	45.5	50.2	52.6	53.6	56.6	59.8	61.6
Oil	2.3	2.4	3.0	2.8	2.9	3.0	3.2	3.4	3.6
Natural Gas	77.7	73.7	69.6	78.6	83.3	84.5	88.2	91.4	92.1
Liquid Petroleum Gases	9.3	9.7	14.4	7.4	7.9	8.1	8.6	9.1	9.4
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>562.2</b>	<b>626.0</b>	<b>663.2</b>	<b>712.9</b>	<b>784.4</b>	<b>818.8</b>	<b>873.8</b>	<b>907.6</b>	<b>920.0</b>
Electricity	100.8	105.0	108.7	113.6	122.0	125.8	139.4	152.4	162.3
Oil	76.9	91.8	93.6	94.9	97.4	93.3	95.5	96.8	95.7
Natural Gas	243.8	269.8	295.1	306.6	329.0	326.2	345.5	363.2	372.7
Liquid Petroleum Gases	12.2	9.5	13.3	13.4	13.6	12.9	13.1	13.1	12.7
Coal, Coke and Coke Oven Gas	0.4	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3
Steam	4.6	7.7	4.1	4.1	4.1	3.8	3.8	3.8	3.6
Hog Fuel and Pulping Liquor	51.8	54.5	55.7	56.6	58.3	56.1	57.7	58.7	58.3
Natural Gas for Bitumen Extraction	71.6	87.4	92.4	123.4	159.7	200.5	218.6	219.4	214.5
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>268.8</b>	<b>280.2</b>	<b>293.7</b>	<b>304.7</b>	<b>326.1</b>	<b>335.6</b>	<b>347.0</b>	<b>358.8</b>	<b>369.6</b>
Oil	258.1	268.4	285.6	294.8	315.9	325.0	336.1	347.6	358.1
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	10.7	11.8	8.1	9.9	10.2	10.5	10.9	11.2	11.5

<b>Non-Energy</b>	<b>324.8</b>	<b>427.5</b>	<b>410.2</b>	<b>478.8</b>	<b>555.2</b>	<b>580.2</b>	<b>600.7</b>	<b>559.0</b>	<b>583.0</b>
Natural Gas	139.2	200.2	180.6	143.3	152.5	169.1	183.1	198.2	214.6
Oil	12.2	12.0	14.7	13.5	15.6	17.5	19.0	20.5	22.2
Liquid Petroleum Gases	22.3	19.6	29.7	33.7	38.3	42.9	46.4	50.1	54.1
Ethane	101.4	129.2	111.1	212.8	271.4	271.4	271.4	207.5	207.5
Asphalt	23.0	23.0	23.7	24.4	25.4	26.3	27.1	27.9	28.7
Lubricants and Greases	6.0	6.0	5.4	6.4	6.6	6.9	7.1	7.3	7.5
Other (e.g., Naphta Specialties and Petroleum Coke)	20.7	37.4	45.1	44.8	45.4	46.1	46.8	47.6	48.4

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1506.4	1711.0	1729.4	1866.5	2053.9	2126.9	2221.8	2231.9	2279.0
Total Own Use and Conversions	1149.6	1229.5	1251.1	1307.9	1361.7	1400.7	1467.9	1485.5	1482.2
Less Electricity, Steam and Coke	190.2	200.7	203.0	215.0	229.8	235.3	253.8	271.5	287.0
<b>Total Primary Demand</b>	<b>2465.9</b>	<b>2739.8</b>	<b>2777.6</b>	<b>2959.3</b>	<b>3185.8</b>	<b>3292.3</b>	<b>3436.0</b>	<b>3446.0</b>	<b>3474.3</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	562.3	635.3	680.4	686.8	725.8	741.0	766.8	792.3	811.4
Natural Gas	1189.4	1379.8	1394.2	1456.6	1618.3	1716.8	1846.5	1904.9	1905.3
Natural Gas Liquids	166.2	176.0	171.5	277.0	340.7	344.1	348.2	288.2	291.9
Coal	481.5	477.3	466.2	470.6	430.9	422.6	405.7	390.2	395.9
Hydro	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	58.4	63.3	57.3	60.2	61.9	59.7	60.7	62.2	61.7

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	21.3	23.8	22.6	21.8	21.1	20.9	19.4	17.5	16.5
Residential Energy per Household (GJ/Hlds)	193.5	214.1	193.5	181.8	175.5	162.8	150.2	136.6	123.6
Commercial Energy per unit of GDP	5.1	5.1	4.9	4.6	4.3	4.2	4.0	3.9	3.7
Industrial Energy per unit of GDP	22.0	23.8	23.3	22.3	21.5	23.0	22.0	20.4	19.4

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>562.3</b>	<b>635.3</b>	<b>680.4</b>	<b>686.8</b>	<b>725.8</b>	<b>741.0</b>	<b>766.8</b>	<b>792.3</b>	<b>811.4</b>
Aviation Gasoline	0.6	0.5	0.6	0.4	0.4	0.4	0.4	0.4	0.4
Aviation Turbo Fuel	23.8	28.7	29.7	25.6	25.7	26.8	28.1	29.6	32.1
Motor Gasoline	120.7	134.9	141.7	141.6	154.4	159.1	163.9	167.5	169.6
Light Fuel Oil and Kerosene	2.5	3.0	3.2	3.2	3.2	3.1	3.2	3.2	3.3
Diesel Fuel Oil	140.4	161.3	177.3	182.2	190.7	192.8	199.3	206.9	211.1
Heavy Fuel Oil	1.1	1.0	0.9	0.6	0.7	0.7	0.7	0.8	0.9
Petrochemical Feedstock	12.2	12.0	14.7	13.5	15.6	17.5	19.0	20.5	22.2
Refinery LPG	23.5	27.4	29.4	31.1	32.5	32.8	33.5	34.2	34.7
Other (e.g., Lubricants and Asphalt)	237.5	266.5	283.0	288.6	302.7	307.9	318.7	329.2	337.2

[1] Excludes fuels to generate electricity for exports

Table A3.8b: Demand, Case 2, British Columbia and Territories

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	19.19	18.81	17.87	16.82	16.82	16.82	16.82	17.67	19.13
Natural Gas	10.28	11.90	12.46	12.32	12.18	12.46	13.15	13.79	13.70
Light Fuel Oil	18.22	20.05	19.35	17.94	17.28	16.94	16.64	16.29	15.84
<b>Commercial (\$1997/GJ)</b>									
Electricity	14.09	13.81	13.12	12.35	12.35	12.35	12.35	12.98	14.05
Natural Gas	7.93	9.52	10.06	10.02	9.93	10.13	10.74	11.29	11.15
Light Fuel Oil	12.64	14.27	13.64	12.47	11.97	11.58	11.26	10.92	10.50
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.38	10.18	9.67	9.10	9.10	9.10	9.10	9.56	10.35
Natural Gas	2.47	3.77	4.23	4.34	4.45	4.80	5.50	6.16	6.23
Heavy Fuel Oil	3.97	4.95	5.07	4.87	4.74	4.64	4.83	4.85	4.78
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1118.3</b>	<b>1148.7</b>	<b>1131.8</b>	<b>1142.6</b>	<b>1207.5</b>	<b>1259.6</b>	<b>1301.2</b>	<b>1331.4</b>	<b>1359.4</b>
Electricity	209.1	212.3	206.1	210.8	229.6	242.9	255.2	265.4	272.8
Oil	385.5	399.6	410.4	414.5	430.7	447.7	459.5	470.3	488.0
Natural Gas	271.4	302.7	292.8	289.1	308.4	323.1	334.4	341.6	345.0
Liquid Petroleum Gases and Ethane	17.6	12.6	11.9	15.0	15.6	16.2	16.7	17.2	17.7
Coal, Coke and Coke Oven Gas	7.6	7.7	9.3	9.4	9.8	9.9	10.2	10.3	10.3
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	226.8	213.5	201.0	203.6	213.0	219.5	224.9	226.2	225.2
Solar	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Residential Sector</b>	<b>164.8</b>	<b>184.5</b>	<b>178.1</b>	<b>181.9</b>	<b>191.6</b>	<b>195.7</b>	<b>198.9</b>	<b>201.1</b>	<b>201.8</b>
Electricity	54.9	59.6	57.7	59.8	64.2	66.6	69.0	71.1	72.7
Oil	11.3	14.4	14.0	14.4	14.9	14.9	15.0	15.0	15.0
Natural Gas	90.3	101.0	94.8	96.0	100.6	102.8	103.7	104.1	103.7
Liquid Petroleum Gases	1.9	1.5	1.3	1.4	1.5	1.6	1.6	1.7	1.7
Wood	6.1	7.7	7.4	7.4	7.5	7.3	7.0	6.7	6.3
Solar	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Coal	0.0	0.0	2.5	2.5	2.4	2.2	2.2	2.1	2.0
<b>Commercial Sector</b>	<b>110.3</b>	<b>111.8</b>	<b>109.1</b>	<b>110.2</b>	<b>115.3</b>	<b>121.2</b>	<b>125.2</b>	<b>129.3</b>	<b>132.3</b>
Electricity	47.5	48.7	49.0	48.0	50.0	52.8	55.0	57.4	59.5
Oil	12.4	10.9	10.8	10.5	10.9	11.3	11.5	11.6	11.8
Natural Gas	47.5	49.9	46.7	48.1	50.6	53.1	54.5	55.9	56.5
Liquid Petroleum Gases	2.8	2.2	2.7	3.6	3.8	4.0	4.2	4.4	4.5
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>487.6</b>	<b>480.9</b>	<b>461.4</b>	<b>470.8</b>	<b>499.0</b>	<b>521.6</b>	<b>542.4</b>	<b>553.6</b>	<b>559.6</b>
Electricity	106.4	103.5	99.0	102.6	114.9	123.1	130.8	136.5	140.2
Oil	33.7	37.1	37.3	40.3	36.0	36.5	36.7	37.1	39.0
Natural Gas	115.0	125.1	123.3	123.4	133.6	140.4	147.3	150.7	151.5
Liquid Petroleum Gases	4.3	1.7	1.5	1.5	1.6	1.7	1.7	1.7	1.8
Coal, Coke and Coke Oven Gas	7.5	7.7	6.8	6.9	7.4	7.7	8.0	8.2	8.3
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	220.7	205.7	193.6	196.1	205.5	212.2	217.9	219.5	218.9
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Transportation</b>	<b>318.5</b>	<b>327.3</b>	<b>337.0</b>	<b>340.0</b>	<b>359.2</b>	<b>374.5</b>	<b>384.8</b>	<b>394.2</b>	<b>409.0</b>
Oil	306.3	315.6	328.0	328.0	346.9	361.8	371.9	380.9	395.3
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	12.2	11.7	9.0	12.0	12.3	12.6	13.0	13.3	13.7

<b>Non-Energy</b>	<b>37.2</b>	<b>44.2</b>	<b>46.1</b>	<b>39.6</b>	<b>42.3</b>	<b>46.7</b>	<b>49.8</b>	<b>53.1</b>	<b>56.7</b>
Natural Gas	14.9	22.6	25.7	17.9	19.7	23.0	25.0	27.0	29.2
Oil	0.4	0.1	0.0	0.4	0.5	0.5	0.5	0.5	0.5
Liquid Petroleum Gases	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	9.6	9.4	9.3	9.8	10.0	10.4	10.8	11.2	11.7
Lubricants and Greases	4.1	4.4	5.1	4.1	4.3	4.4	4.6	4.8	5.0
Other (e.g., Naphta Specialties and Petroleum Coke)	7.8	7.7	5.9	6.8	7.3	7.9	8.5	9.1	9.8

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1118.3	1148.7	1131.8	1142.6	1207.5	1259.6	1301.2	1331.4	1359.4
Total Own Use and Conversions	375.8	385.1	261.0	269.5	313.8	328.4	341.6	350.0	362.7
Less Electricity, Steam and Coke	226.2	243.4	224.3	230.3	252.4	266.3	279.0	289.4	297.5
<b>Total Primary Demand</b>	<b>1267.9</b>	<b>1290.4</b>	<b>1168.5</b>	<b>1181.8</b>	<b>1268.8</b>	<b>1321.8</b>	<b>1363.8</b>	<b>1392.0</b>	<b>1424.6</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	413.1	424.9	434.8	438.4	457.0	475.9	489.2	501.3	520.5
Natural Gas	405.0	403.4	361.4	365.4	394.4	410.1	423.7	441.5	452.6
Natural Gas Liquids	14.0	9.2	8.4	11.8	12.4	12.8	13.3	13.7	14.1
Coal	11.6	14.1	17.3	17.5	39.5	38.6	40.2	40.5	40.5
Hydro	177.5	219.4	141.8	141.3	148.5	161.0	168.7	164.9	167.9
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	248.5	234.9	204.9	207.4	216.9	223.4	228.8	230.1	229.1

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	15.7	16.0	15.4	14.7	13.8	12.9	12.1	11.3	10.6
Residential Energy per Household (GJ/Hlds)	109.6	119.7	113.4	112.6	109.7	103.5	97.5	90.5	82.4
Commercial Energy per unit of GDP	3.1	3.1	3.0	2.9	2.7	2.6	2.5	2.4	2.3
Industrial Energy per unit of GDP	28.4	29.0	27.1	26.1	25.1	23.6	22.7	21.3	19.8

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>413.1</b>	<b>424.9</b>	<b>434.8</b>	<b>438.4</b>	<b>457.0</b>	<b>475.9</b>	<b>489.2</b>	<b>501.3</b>	<b>520.5</b>
Aviation Gasoline	1.1	1.1	1.0	1.2	1.2	1.2	1.2	1.2	1.2
Aviation Turbo Fuel	46.2	53.6	58.3	52.4	53.2	56.4	60.0	64.1	70.6
Motor Gasoline	147.9	150.8	158.4	155.6	165.6	172.7	173.4	173.1	174.2
Light Fuel Oil and Kerosene	18.2	18.2	16.3	16.9	17.2	17.2	17.2	17.2	17.0
Diesel Fuel Oil	128.5	130.8	134.5	140.4	150.5	156.1	162.3	167.1	173.0
Heavy Fuel Oil	29.5	28.2	25.1	29.7	25.3	26.4	27.4	29.2	33.0
Petrochemical Feedstock	0.4	0.1	0.0	0.4	0.5	0.5	0.5	0.5	0.5
Refinery LPG	4.4	4.4	4.5	4.5	4.6	4.7	4.8	4.9	5.0
Other (e.g., Lubricants and Asphalt)	37.0	37.6	36.7	37.3	38.9	40.6	42.4	44.0	46.1

[1] Excludes fuels to generate electricity for exports

Table A3.9b: End Use Demand by Fuel, Case 2, Atlantic Provinces

(petajoules)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Newfoundland</b>	<b>121.8</b>	<b>124.0</b>	<b>129.0</b>	<b>131.1</b>	<b>137.5</b>	<b>140.8</b>	<b>145.0</b>	<b>146.5</b>	<b>146.1</b>
Electricity	35.9	35.5	37.0	38.2	39.7	41.6	43.5	45.0	45.5
Oil Products	72.5	73.1	75.7	76.1	80.1	81.0	82.0	81.5	80.4
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	13.5	15.5	16.3	16.8	17.6	18.1	19.5	19.9	20.2
<b>Prince Edward Island</b>	<b>21.8</b>	<b>23.4</b>	<b>24.2</b>	<b>23.7</b>	<b>24.3</b>	<b>24.6</b>	<b>24.9</b>	<b>25.0</b>	<b>24.9</b>
Electricity	2.8	3.0	3.1	3.1	3.2	3.3	3.4	3.5	3.5
Oil Products	17.7	18.9	19.5	19.2	19.7	19.7	19.7	19.5	19.2
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	1.3	1.5	1.6	1.4	1.4	1.6	1.8	2.0	2.2
<b>Nova Scotia</b>	<b>182.9</b>	<b>183.6</b>	<b>188.0</b>	<b>190.0</b>	<b>195.9</b>	<b>198.5</b>	<b>201.5</b>	<b>201.9</b>	<b>200.9</b>
Electricity	33.4	33.8	34.2	35.1	36.2	37.3	38.7	40.1	40.8
Oil Products	130.4	128.8	133.1	131.5	130.0	129.9	128.9	126.6	123.9
Natural Gas	0.0	0.0	0.0	3.3	8.6	8.8	9.6	10.0	10.3
Other	19.2	21.0	20.7	20.2	21.1	22.5	24.3	25.1	26.0
<b>New Brunswick</b>	<b>207.3</b>	<b>210.3</b>	<b>219.0</b>	<b>217.2</b>	<b>223.9</b>	<b>225.0</b>	<b>232.4</b>	<b>231.7</b>	<b>230.5</b>
Electricity	48.4	49.5	51.3	51.6	52.3	53.7	56.6	57.5	58.3
Oil Products	111.2	114.0	114.5	109.0	108.2	109.0	110.3	108.9	107.6
Natural Gas	0.0	0.0	0.0	5.1	11.5	10.8	11.3	11.3	11.1
Other	47.8	46.8	53.2	51.5	51.9	51.6	54.2	54.0	53.5

Table A3.10b: Transportation Energy Demand, Case 2, Canada

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Demand by Subsector (Petajoules)</b>									
<b>Road Transportation</b>	<b>1655.9</b>	<b>1685.6</b>	<b>1749.9</b>	<b>1805.5</b>	<b>1926.4</b>	<b>1989.0</b>	<b>2037.9</b>	<b>2059.7</b>	<b>2082.0</b>
Motor Gasoline	1214.1	1229.7	1260.1	1288.2	1365.6	1405.4	1423.6	1423.4	1416.5
Diesel	397.9	410.2	452.1	473.2	515.5	537.3	566.9	587.8	615.8
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (Propane, Natural Gas and Electricity)	43.9	45.7	37.7	44.1	45.3	46.3	47.4	48.5	49.7
<b>Rail Transportation</b>	<b>80.9</b>	<b>79.1</b>	<b>80.2</b>	<b>81.4</b>	<b>83.2</b>	<b>84.2</b>	<b>86.2</b>	<b>88.2</b>	<b>89.3</b>
Diesel Fuel Oil	80.9	79.1	80.2	81.4	83.2	84.2	86.2	88.2	89.3
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
<b>Air Transportation</b>	<b>185.1</b>	<b>209.5</b>	<b>214.0</b>	<b>212.3</b>	<b>216.2</b>	<b>230.1</b>	<b>245.3</b>	<b>262.8</b>	<b>289.9</b>
Aviation Gasoline	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Aviation Turbo Fuel	181.0	205.4	209.8	208.2	212.1	225.9	241.2	258.6	285.7
<b>Marine Transportation</b>	<b>102.0</b>	<b>101.1</b>	<b>100.3</b>	<b>103.6</b>	<b>108.8</b>	<b>114.3</b>	<b>120.1</b>	<b>126.2</b>	<b>132.6</b>
Diesel Fuel Oil	45.2	45.1	44.9	45.7	48.1	50.6	53.3	56.1	59.1
Heavy Fuel Oil	55.7	55.1	54.4	56.9	59.6	62.5	65.6	68.8	72.1
Other (Gasoline and Light Fuel Oil)	1.1	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4
<b>Factors Affecting Road Transportation Energy Demand</b>									
<b>Passenger Vehicles</b>									
<b>Total Energy Consumption (PJ) [1]</b>	<b>1196.7</b>	<b>1214.4</b>	<b>1243.7</b>	<b>1299.3</b>	<b>1392.6</b>	<b>1440.3</b>	<b>1463.0</b>	<b>1465.2</b>	<b>1457.1</b>
<b>Sales ('000)</b>	<b>1118.6</b>	<b>1161.4</b>	<b>1381.1</b>	<b>1429.2</b>	<b>1558.5</b>	<b>1687.7</b>	<b>1756.0</b>	<b>1770.7</b>	<b>1737.8</b>
Subtotal by Vehicle Type									
Cars	670.2	660.8	738.6	772.1	865.4	936.2	963.2	956.2	926.2
Light Trucks [2]	448.4	500.6	642.5	657.1	693.1	751.6	792.8	814.5	811.5
Share by Engine Technology (percent)									
Internal Combustion	100.0	100.0	100.0	100.0	100.0	99.8	94.3	83.7	70.0
Hybrid-Electric	0.0	0.0	0.0	0.0	0.0	0.2	5.7	16.0	20.0
Fuel Cell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	10.0
<b>Stock ('000)</b>	<b>16507.3</b>	<b>16693.5</b>	<b>16823.1</b>	<b>17334.1</b>	<b>18475.2</b>	<b>19699.6</b>	<b>21114.2</b>	<b>22746.1</b>	<b>24722.1</b>
Subtotal by Vehicle Type									
Cars	12624.6	12686.3	12714.1	12823.9	13260.4	13887.3	14624.2	15565.4	16627.3
Light Trucks	3882.7	4007.2	4109.0	4510.2	5214.8	5812.4	6490.0	7180.7	8094.8
Share by Engine Technology (percent)									
Internal Combustion	100.0	100.0	100.0	100.0	100.0	100.0	98.6	93.3	84.4
Hybrid-Electric	0.0	0.0	0.0	0.0	0.0	0.0	1.4	6.6	13.5
Fuel Cell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2
<b>Fuel Economy - New (L/100km) [3]</b>	<b>11.4</b>	<b>11.4</b>	<b>11.6</b>	<b>11.5</b>	<b>10.9</b>	<b>10.3</b>	<b>9.6</b>	<b>8.8</b>	<b>8.0</b>
Cars - gasoline internal combustion [4]	9.9	9.9	9.9	9.8	9.2	8.7	8.2	7.7	7.3
Light Trucks - gasoline internal combustion [4]	13.7	13.5	13.6	13.6	12.9	12.3	11.6	11.0	10.4
<b>Fuel Economy - Stock (L/100km) [3]</b>	<b>11.0</b>	<b>10.9</b>	<b>10.9</b>	<b>11.0</b>	<b>10.8</b>	<b>10.3</b>	<b>9.8</b>	<b>9.2</b>	<b>8.5</b>
<b>Average km Travelled per Vehicle</b>	<b>19119</b>	<b>19220</b>	<b>19526</b>	<b>19791</b>	<b>20246</b>	<b>20469</b>	<b>20459</b>	<b>20342</b>	<b>20129</b>
<b>Freight Trucks</b>									
<b>Total Energy Consumption (PJ) [1]</b>	<b>421.1</b>	<b>427.4</b>	<b>461.3</b>	<b>467.5</b>	<b>500.4</b>	<b>516.7</b>	<b>542.9</b>	<b>562.6</b>	<b>592.9</b>
<b>Sales ('000)</b>	<b>48.0</b>	<b>43.4</b>	<b>45.6</b>	<b>47.5</b>	<b>47.7</b>	<b>49.4</b>	<b>50.9</b>	<b>52.3</b>	<b>53.8</b>
Subtotal by Truck Type									
Medium-Heavy Trucks [5]	21.6	20.6	21.4	21.6	21.0	21.1	21.1	21.2	21.5
Extra-Heavy Trucks [6]	26.4	22.8	24.3	25.9	26.7	28.3	29.8	31.2	32.3
<b>Stock ('000)</b>	<b>379.9</b>	<b>386.9</b>	<b>383.2</b>	<b>385.7</b>	<b>414.0</b>	<b>437.0</b>	<b>473.0</b>	<b>511.5</b>	<b>575.1</b>
Subtotal by Truck Type									
Medium-Heavy Trucks	182.1	182.6	178.6	174.2	180.8	184.8	194.3	204.4	224.8
Extra-Heavy Trucks	197.8	204.4	204.6	211.5	233.2	252.2	278.7	307.0	350.3
<b>Fuel Economy - New (L/100km) [7]</b>	<b>32.2</b>	<b>31.5</b>	<b>31.5</b>	<b>31.0</b>	<b>29.9</b>	<b>28.8</b>	<b>27.8</b>	<b>26.7</b>	<b>25.7</b>
Medium-Heavy Trucks - diesel internal combustion [8]	21.6	21.4	21.3	20.8	20.1	19.4	18.6	18.0	17.3
Extra-Heavy Trucks - diesel internal combustion	40.6	40.4	40.2	39.2	37.4	35.6	34.0	32.4	30.9
<b>Fuel Economy - Stock (L/100km) [7]</b>	<b>35.3</b>	<b>35.1</b>	<b>35.0</b>	<b>34.4</b>	<b>33.5</b>	<b>32.4</b>	<b>31.3</b>	<b>30.1</b>	<b>28.9</b>
Medium-Heavy Trucks	23.2	22.9	22.6	22.0	21.3	20.7	20.0	19.3	18.7
Extra-Heavy Trucks	42.6	42.2	41.9	41.0	39.5	38.0	36.4	34.7	33.1
<b>Average km travelled per truck</b>	<b>81160</b>	<b>81399</b>	<b>88922</b>	<b>90977</b>	<b>93322</b>	<b>94242</b>	<b>94791</b>	<b>94492</b>	<b>92342</b>

[1] Motor gasoline used for agricultural vehicles is included in road transportation, but has been excluded from the breakdown into passenger and freight vehicles

[2] Light trucks include pickup trucks, full-sized vans, minivans and sport utility vehicles

[3] Fuel economy for diesel light trucks has been converted to a gasoline equivalent to calculate the weighted average fuel economy for passenger vehicles

[4] Hybrid-electric (introduced 2010) and fuel cell (introduced 2018) vehicles are considered to be 25 and 33 percent more efficient than comparable gasoline internal combustion engine vehicles. Diesel internal combustion light trucks are considered to be 17 percent more efficient in 1997 and 7 percent by 2025.

[5] Medium-heavy trucks weigh between 4545 kg and 15000 kg

[6] Extra-heavy trucks weigh more than 15000 kg

[7] Fuel economy for gasoline medium-heavy trucks has been converted to a diesel equivalent to calculate the weighted average fuel economy for freight trucks

[8] Gasoline medium-heavy trucks are considered to be 18 percent less efficient than comparable diesel trucks in 1997 and 24 percent by 2025

Table A3.1c: Demand, A&amp;R Sensitivity, Canada

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	22.77	22.76	22.31	21.13	20.55	20.63	21.25	22.17	23.29
Natural Gas	9.11	9.55	10.47	10.58	10.65	11.00	11.75	12.59	12.89
Light Fuel Oil	15.49	16.98	16.30	15.02	14.42	14.09	13.82	13.52	13.11
<b>Commercial (\$1997/GJ)</b>									
Electricity	19.63	19.58	19.30	18.30	17.76	17.77	18.22	18.95	19.85
Natural Gas	6.99	7.50	8.41	8.58	8.72	9.00	9.67	10.43	10.66
Light Fuel Oil	11.35	12.61	12.01	11.00	10.55	10.19	9.89	9.58	9.18
<b>Industrial (\$1997/GJ)</b>									
Electricity	13.60	13.56	13.36	12.73	12.45	12.53	12.96	13.61	14.39
Natural Gas	3.39	3.79	4.48	4.80	5.11	5.53	6.27	7.10	7.48
Heavy Fuel Oil	4.06	4.84	4.97	4.88	4.75	4.85	5.06	5.03	4.88
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>7978.6</b>	<b>8406.4</b>	<b>8481.7</b>	<b>8820.9</b>	<b>9468.5</b>	<b>9865.6</b>	<b>10292.4</b>	<b>10560.0</b>	<b>10808.4</b>
Electricity	1681.2	1709.3	1728.1	1802.2	1941.4	2052.4	2194.1	2328.2	2428.9
Oil	3002.0	3129.4	3192.6	3246.4	3409.7	3515.6	3596.4	3654.8	3719.4
Natural Gas	2244.1	2467.6	2429.0	2515.1	2727.5	2869.2	2996.1	3073.1	3096.2
Liquid Petroleum Gases and Ethane	263.2	313.9	302.1	406.2	497.4	512.9	547.1	495.9	508.1
Coal, Coke and Coke Oven Gas	185.0	188.6	190.8	193.1	192.7	186.4	179.0	172.7	162.3
Steam	11.3	25.4	31.7	31.3	31.2	29.8	30.1	30.0	28.8
Hog Fuel, Pulping Liquor and Wood	589.7	570.0	605.3	621.6	658.0	680.0	711.0	731.4	740.0
Solar	2.1	2.1	2.1	5.0	10.5	15.8	19.9	24.2	28.4
Methanol	0.0	0.0	0.0	0.0	0.0	3.6	18.7	49.8	96.4
<b>Residential Sector</b>	<b>1535.1</b>	<b>1667.6</b>	<b>1606.8</b>	<b>1623.4</b>	<b>1692.8</b>	<b>1741.5</b>	<b>1777.3</b>	<b>1812.8</b>	<b>1838.3</b>
Electricity	510.5	531.6	524.5	541.9	581.7	612.6	636.6	661.4	683.1
Oil	243.9	272.0	266.5	261.7	262.0	260.2	261.0	264.2	265.9
Natural Gas	679.4	749.9	699.4	703.3	728.5	743.7	751.2	755.8	755.2
Liquid Petroleum Gases	15.4	19.4	20.2	21.0	22.4	23.8	24.9	26.0	27.1
Wood	82.0	90.7	89.7	87.5	86.7	86.3	85.2	83.2	80.9
Solar	2.1	2.1	2.1	3.6	7.1	10.8	14.6	18.5	22.6
Coal	1.7	2.0	4.4	4.4	4.3	4.0	3.9	3.7	3.5
<b>Commercial Sector</b>	<b>941.8</b>	<b>967.9</b>	<b>983.5</b>	<b>1018.9</b>	<b>1073.0</b>	<b>1121.5</b>	<b>1174.4</b>	<b>1223.9</b>	<b>1255.1</b>
Electricity	419.0	421.0	431.7	448.7	469.7	490.9	516.0	542.5	562.0
Oil	93.4	88.6	94.4	93.7	95.4	100.4	105.5	110.6	115.0
Natural Gas	407.0	424.6	418.3	451.2	480.6	500.3	520.6	536.7	543.1
Liquid Petroleum Gases	22.1	33.3	38.6	24.9	26.6	28.8	31.2	32.7	33.7
Solar	0.0	0.0	0.0	0.1	0.5	0.9	0.9	1.0	1.0
Steam	0.3	0.4	0.5	0.2	0.3	0.3	0.3	0.3	0.3
<b>Industrial Sector</b>	<b>2766.8</b>	<b>2840.3</b>	<b>2921.1</b>	<b>3079.7</b>	<b>3352.7</b>	<b>3531.9</b>	<b>3770.4</b>	<b>3960.7</b>	<b>4069.0</b>
Electricity	748.6	753.6	769.0	808.6	887.0	946.0	1038.5	1121.2	1180.8
Oil	297.1	323.7	305.9	309.9	318.2	335.9	372.7	425.4	477.2
Natural Gas	912.7	961.7	994.7	1055.8	1165.3	1209.2	1272.9	1309.7	1311.5
Liquid Petroleum Gases	34.7	22.8	25.9	27.0	29.0	30.7	32.5	33.5	33.8
Coal, Coke and Coke Oven Gas	183.3	186.7	186.4	188.7	188.5	182.4	175.2	169.1	158.8
Steam	11.0	25.0	31.1	31.0	30.8	29.4	29.8	29.6	28.4
Hog Fuel and Pulping Liquor	507.7	479.3	515.6	534.1	571.3	593.7	625.8	648.2	659.1
Natural Gas for Bitumen Extraction	71.6	87.4	92.4	123.4	159.7	200.5	218.6	219.4	214.5
Solar	0.0	0.0	0.0	1.3	2.9	4.1	4.4	4.7	4.8
<b>Transportation</b>	<b>2023.8</b>	<b>2075.4</b>	<b>2144.4</b>	<b>2202.8</b>	<b>2331.5</b>	<b>2392.3</b>	<b>2417.6</b>	<b>2416.6</b>	<b>2438.1</b>
Oil	1980.0	2029.7	2106.7	2158.7	2286.2	2342.4	2351.5	2318.2	2292.0
Methanol	0.0	0.0	0.0	0.0	0.0	3.6	18.7	49.8	96.4
Other (Propane, Natural Gas and Electricity)	43.9	45.7	37.7	44.1	45.3	46.3	47.4	48.6	49.7



<b>Non-Energy</b>	<b>711.1</b>	<b>855.1</b>	<b>825.9</b>	<b>896.0</b>	<b>1018.5</b>	<b>1078.5</b>	<b>1152.7</b>	<b>1146.1</b>	<b>1207.9</b>
Natural Gas	165.5	236.2	220.0	174.5	186.2	208.2	225.4	243.9	264.0
Oil	154.2	162.3	160.5	156.7	172.0	188.8	204.1	220.7	238.7
Liquid Petroleum Gases	46.1	63.6	66.8	74.7	84.1	93.5	101.2	109.3	118.1
Ethane	111.8	139.9	120.1	224.5	300.2	300.2	320.3	256.4	256.4
Asphalt	123.2	125.0	126.5	128.2	132.2	136.9	142.6	148.2	154.0
Lubricants and Greases	39.6	38.4	38.1	41.3	42.6	44.2	46.2	48.2	50.2
Other (e.g., Naphta Specialties and Petroleum Coke)	70.6	89.7	94.0	96.2	101.2	106.7	112.7	119.3	126.5

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	7978.6	8406.4	8481.7	8820.9	9468.5	9865.6	10292.4	10560.0	10808.4
Total Own Use and Conversions	4757.7	4831.8	4618.2	4819.0	5230.5	5409.5	5739.3	5784.5	5813.4
Less Electricity, Steam and Coke	1976.8	2035.2	2039.0	2118.8	2270.6	2379.1	2520.3	2654.2	2757.1
<b>Total Primary Demand</b>	<b>10759.4</b>	<b>11202.9</b>	<b>11060.9</b>	<b>11521.1</b>	<b>12428.4</b>	<b>12896.0</b>	<b>13511.3</b>	<b>13690.3</b>	<b>13864.7</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	3452.4	3591.3	3696.9	3732.0	3894.2	4018.6	4117.2	4169.7	4249.7
Natural Gas	3180.0	3432.0	3384.8	3660.7	4002.0	4253.9	4550.3	4721.5	4905.8
Natural Gas Liquids	278.4	307.2	293.4	411.5	500.2	510.0	541.6	486.5	494.2
Coal	1031.5	1071.4	1137.1	1185.3	1091.2	1143.5	1112.9	1030.6	945.0
Hydro	1080.1	1145.3	983.4	1018.9	1070.9	1141.4	1173.5	1201.1	1241.2
Nuclear	1109.0	1062.4	937.8	851.3	1161.4	1083.9	1215.0	1217.3	1131.7
Renewable Fuels	631.6	611.4	627.5	661.4	708.5	744.9	800.9	863.6	897.1

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	14.7	15.3	14.9	13.9	13.2	12.5	11.7	10.8	10.1
Residential Energy per Household (GJ/Hlds)	128.7	137.8	130.2	126.6	123.3	118.2	111.7	105.0	97.9
Commercial Energy per unit of GDP	3.6	3.7	3.6	3.4	3.2	3.1	3.0	2.9	2.8
Industrial Energy per unit of GDP	17.6	18.1	17.7	16.3	15.5	15.2	14.6	13.7	12.9

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>3452.4</b>	<b>3591.3</b>	<b>3696.9</b>	<b>3732.0</b>	<b>3894.2</b>	<b>4018.6</b>	<b>4117.2</b>	<b>4169.7</b>	<b>4249.7</b>
Aviation Gasoline	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Aviation Turbo Fuel	181.0	205.4	209.8	208.2	212.1	225.9	241.2	258.6	285.8
Motor Gasoline	1145.1	1177.8	1206.9	1218.3	1291.3	1309.8	1269.3	1193.6	1108.2
Light Fuel Oil and Kerosene	230.2	251.8	234.5	235.3	230.6	229.3	229.6	231.7	235.4
Diesel Fuel Oil	758.9	790.8	847.5	871.5	932.3	962.1	1016.8	1057.6	1092.8
Heavy Fuel Oil	310.2	287.9	302.2	291.8	270.4	292.3	318.5	347.5	407.1
Petrochemical Feedstock	154.2	162.3	160.5	156.7	172.0	188.8	204.1	220.7	238.7
Refinery LPG	62.7	68.0	72.8	74.6	79.7	84.2	86.4	87.0	87.5
Other (e.g., Lubricants and Asphalt)	605.9	643.0	658.6	671.5	701.7	722.0	747.2	768.7	789.9

[1] Excludes fuels to generate electricity for exports

Table A3.2c: Demand, A&amp;R Sensitivity, Atlantic Total

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	25.42	25.98	26.41	24.86	24.59	24.59	24.59	25.84	27.98
Natural Gas	n/a	n/a	n/a	12.50	12.40	12.41	13.01	13.73	13.74
Light Fuel Oil	15.49	16.75	16.15	14.91	14.32	14.00	13.72	13.41	13.00
<b>Commercial (\$1997/GJ)</b>									
Electricity	22.24	22.73	23.11	21.75	21.52	21.52	21.52	22.61	24.48
Natural Gas	n/a	n/a	n/a	10.23	9.90	9.53	10.20	11.35	11.02
Light Fuel Oil	11.11	12.20	11.67	10.68	10.23	9.88	9.60	9.30	8.92
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.55	14.87	15.12	14.23	14.08	14.08	14.08	14.79	16.01
Natural Gas	n/a	n/a	n/a	5.44	5.49	5.50	6.06	6.90	6.91
Heavy Fuel Oil	3.75	4.39	4.52	4.41	4.29	4.30	4.48	4.63	4.68
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>534.1</b>	<b>541.3</b>	<b>560.1</b>	<b>562.0</b>	<b>598.7</b>	<b>606.0</b>	<b>641.1</b>	<b>642.2</b>	<b>639.6</b>
Electricity	120.4	121.7	125.5	128.1	131.5	135.9	142.2	146.1	148.2
Oil	331.8	334.7	342.9	335.7	338.0	339.7	341.0	336.6	331.0
Natural Gas	0.0	0.0	0.0	8.3	20.0	19.6	20.9	21.3	21.4
Liquid Petroleum Gases and Ethane	5.2	7.3	9.1	7.2	25.7	28.7	50.9	51.5	52.0
Coal, Coke and Coke Oven Gas	6.2	6.6	7.5	7.4	7.2	6.8	6.6	6.2	5.6
Steam	3.3	4.8	4.6	4.0	3.0	1.8	1.9	1.9	1.8
Hog Fuel, Pulping Liquor and Wood	67.2	66.2	70.6	71.0	72.7	72.3	75.1	73.7	71.4
Solar	0.0	0.0	0.0	0.3	0.6	0.9	1.0	1.1	1.2
Methanol	0.0	0.0	0.0	0.0	0.0	0.3	1.5	3.8	6.9
<b>Residential Sector</b>	<b>107.3</b>	<b>111.3</b>	<b>114.4</b>	<b>113.2</b>	<b>114.2</b>	<b>115.4</b>	<b>116.1</b>	<b>116.5</b>	<b>115.9</b>
Electricity	42.5	43.5	44.5	44.7	46.4	48.5	50.4	51.3	51.7
Oil	47.3	48.6	51.2	49.8	47.8	44.6	41.4	39.5	37.5
Natural Gas	0.0	0.0	0.0	0.0	0.9	2.5	4.0	4.9	6.0
Liquid Petroleum Gases	0.8	1.8	1.7	1.9	2.0	2.4	2.9	3.3	3.6
Wood	16.1	16.7	16.4	16.0	16.0	16.1	16.1	15.9	15.6
Solar	0.0	0.0	0.0	0.2	0.4	0.7	0.8	0.8	0.9
Coal	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
<b>Commercial Sector</b>	<b>60.5</b>	<b>59.1</b>	<b>66.2</b>	<b>62.9</b>	<b>64.7</b>	<b>66.5</b>	<b>68.3</b>	<b>69.7</b>	<b>70.2</b>
Electricity	27.7	28.0	28.3	29.1	29.9	30.0	30.1	30.8	31.2
Oil	31.7	28.6	33.3	30.5	27.8	28.4	29.1	29.7	29.9
Natural Gas	0.0	0.0	0.0	1.2	4.6	4.7	4.7	4.7	4.6
Liquid Petroleum Gases	1.1	2.6	4.6	2.1	2.4	3.3	4.3	4.4	4.5
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>162.1</b>	<b>160.8</b>	<b>167.5</b>	<b>171.7</b>	<b>180.6</b>	<b>182.1</b>	<b>194.4</b>	<b>197.3</b>	<b>197.5</b>
Electricity	50.2	50.2	52.7	54.3	55.2	57.4	61.6	64.0	65.3
Oil	49.1	47.9	46.8	41.7	40.9	42.6	47.5	50.2	52.3
Natural Gas	0.0	0.0	0.0	7.1	14.5	12.5	12.2	11.6	10.9
Liquid Petroleum Gases	2.8	2.5	2.4	2.7	3.6	5.2	6.0	6.1	6.1
Coal, Coke and Coke Oven Gas	5.5	5.9	6.9	6.8	6.6	6.1	6.0	5.5	5.0
Steam	3.3	4.8	4.6	4.0	3.0	1.8	1.9	1.9	1.8
Hog Fuel and Pulping Liquor	51.1	49.5	54.2	55.0	56.7	56.2	58.9	57.8	55.8
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2
<b>Transportation</b>	<b>182.9</b>	<b>189.5</b>	<b>191.2</b>	<b>192.3</b>	<b>199.7</b>	<b>201.9</b>	<b>201.3</b>	<b>197.3</b>	<b>193.9</b>
Oil	182.4	189.0	190.8	191.8	199.1	201.0	199.2	192.9	186.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.3	1.5	3.8	6.9
Other (Propane, Natural Gas and Electricity)	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6

<b>Non-Energy</b>	<b>21.4</b>	<b>20.6</b>	<b>20.8</b>	<b>21.8</b>	<b>39.5</b>	<b>40.1</b>	<b>60.9</b>	<b>61.5</b>	<b>62.1</b>
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil	3.6	3.5	3.6	4.0	4.1	4.3	4.4	4.6	4.8
Liquid Petroleum Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethane	0.0	0.0	0.0	0.0	17.1	17.1	37.2	37.2	37.2
Asphalt	14.4	14.5	15.0	15.1	15.5	15.8	16.3	16.6	16.9
Lubricants and Greases	2.5	2.5	2.2	2.7	2.7	2.8	2.9	2.9	3.0
Other (e.g., Naphta Specialties and Petroleum Coke)	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	534.1	541.3	560.1	562.0	598.7	606.0	641.1	642.2	639.6
Total Own Use and Conversions	397.8	434.4	432.4	459.4	461.6	527.2	526.5	505.6	484.1
Less Electricity, Steam and Coke	138.7	141.6	147.2	149.3	151.8	154.6	160.9	164.3	166.0
<b>Total Primary Demand</b>	<b>793.2</b>	<b>834.1</b>	<b>845.4</b>	<b>872.1</b>	<b>908.5</b>	<b>978.6</b>	<b>1006.7</b>	<b>983.5</b>	<b>957.8</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	437.8	430.1	450.7	431.7	416.0	415.0	416.1	396.8	392.6
Natural Gas	0.0	0.0	0.0	33.8	75.7	88.1	98.0	123.4	158.9
Natural Gas Liquids	15.9	14.0	15.6	17.4	36.3	38.8	60.7	60.7	60.3
Coal	111.6	125.3	119.9	119.2	132.7	123.8	114.4	85.2	55.6
Hydro	136.5	138.4	151.4	147.1	148.6	212.8	213.5	213.7	213.7
Nuclear	19.1	54.6	35.9	50.3	24.6	25.2	25.2	25.2	0.0
Renewable Fuels	72.3	71.7	71.8	72.5	74.6	74.9	78.8	78.5	76.7

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	16.6	16.6	17.0	15.3	14.5	13.5	13.2	12.2	11.4
Residential Energy per Household (GJ/Hlds)	119.0	124.4	125.7	123.1	119.5	115.8	112.1	108.7	105.0
Commercial Energy per unit of GDP	3.6	3.5	3.9	3.5	3.4	3.3	3.2	3.1	3.0
Industrial Energy per unit of GDP	24.0	23.8	24.2	20.0	18.0	16.9	17.1	16.5	15.7

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>437.8</b>	<b>430.1</b>	<b>450.7</b>	<b>431.7</b>	<b>416.0</b>	<b>415.0</b>	<b>416.1</b>	<b>396.8</b>	<b>392.6</b>
Aviation Gasoline	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Aviation Turbo Fuel	17.9	20.1	18.6	21.0	21.3	22.6	24.0	25.7	28.2
Motor Gasoline	85.7	90.6	90.0	87.6	90.6	90.4	84.8	76.0	66.4
Light Fuel Oil and Kerosene	67.5	67.6	71.3	68.2	61.3	58.3	56.0	53.5	51.5
Diesel Fuel Oil	70.3	73.0	79.9	77.2	83.5	84.6	97.4	105.8	106.6
Heavy Fuel Oil	143.0	126.3	135.6	123.9	105.0	102.8	95.5	77.9	81.3
Petrochemical Feedstock	3.6	3.5	3.6	4.0	4.1	4.3	4.4	4.6	4.8
Refinery LPG	7.5	8.4	10.0	8.4	9.1	10.9	12.2	12.4	12.6
Other (e.g., Lubricants and Asphalt)	42.0	40.4	41.5	41.1	40.7	40.9	41.5	40.8	40.9

[1] Excludes fuels to generate electricity for exports

Table A3.3c: Demand, A&amp;R Sensitivity, Québec

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	19.01	19.01	18.63	17.53	16.84	16.84	17.70	18.58	19.49
Natural Gas	13.94	14.46	15.45	15.52	15.51	15.82	16.56	17.42	17.73
Light Fuel Oil	14.52	15.81	15.18	13.92	13.35	13.03	12.76	12.45	12.04
<b>Commercial (\$1997/GJ)</b>									
Electricity	17.39	17.39	17.04	16.04	15.40	15.40	16.19	17.00	17.82
Natural Gas	9.92	10.24	11.22	11.43	11.56	11.82	12.50	13.29	13.56
Light Fuel Oil	11.10	12.26	11.70	10.66	10.20	9.85	9.56	9.25	8.86
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.25	10.25	10.05	9.46	9.08	9.08	9.55	10.02	10.51
Natural Gas	4.53	4.82	5.63	5.97	6.29	6.71	7.50	8.41	8.87
Heavy Fuel Oil	4.30	5.03	5.19	5.14	5.00	5.11	5.36	5.24	5.03
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1635.9</b>	<b>1663.0</b>	<b>1709.3</b>	<b>1791.7</b>	<b>1899.6</b>	<b>1972.0</b>	<b>2035.9</b>	<b>2087.6</b>	<b>2120.5</b>
Electricity	586.7	596.8	609.3	634.0	674.7	703.3	738.2	770.7	790.2
Oil	641.6	659.3	649.8	678.1	711.3	737.9	752.8	759.9	768.9
Natural Gas	228.0	238.8	243.2	261.9	280.5	286.7	286.8	282.7	272.3
Liquid Petroleum Gases and Ethane	24.2	19.7	22.4	25.2	26.9	28.6	30.2	31.9	33.7
Coal, Coke and Coke Oven Gas	24.3	24.8	25.0	25.4	25.6	24.8	24.0	22.9	21.1
Steam	0.2	1.6	1.3	1.2	1.1	0.9	0.8	0.5	0.3
Hog Fuel, Pulping Liquor and Wood	130.6	121.6	157.9	164.8	177.0	185.4	194.7	203.2	208.4
Solar	0.4	0.4	0.4	1.1	2.4	3.7	4.6	5.5	6.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.8	3.9	10.2	19.1
<b>Residential Sector</b>	<b>316.5</b>	<b>331.2</b>	<b>330.9</b>	<b>333.7</b>	<b>345.3</b>	<b>353.6</b>	<b>356.0</b>	<b>359.3</b>	<b>361.5</b>
Electricity	186.2	191.3	194.4	198.7	208.9	216.2	219.5	223.4	226.1
Oil	65.8	69.9	65.4	64.7	64.7	64.5	63.7	63.3	63.3
Natural Gas	26.8	28.2	28.2	28.0	28.5	29.2	29.2	29.3	29.2
Liquid Petroleum Gases	1.9	1.8	3.4	3.4	3.6	3.7	3.8	3.8	3.9
Wood	35.3	39.5	39.1	38.2	38.0	37.7	36.6	35.3	33.9
Solar	0.4	0.4	0.4	0.7	1.6	2.4	3.3	4.1	5.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Commercial Sector</b>	<b>199.3</b>	<b>199.6</b>	<b>202.7</b>	<b>210.4</b>	<b>219.9</b>	<b>228.4</b>	<b>236.6</b>	<b>243.6</b>	<b>246.6</b>
Electricity	109.9	109.9	111.1	115.2	119.9	124.6	129.5	134.1	136.7
Oil	22.7	22.1	21.3	23.1	25.3	27.8	30.2	32.5	34.3
Natural Gas	63.9	64.3	65.4	68.7	71.1	72.3	73.0	73.0	71.6
Liquid Petroleum Gases	2.7	3.3	5.0	3.3	3.4	3.5	3.7	3.8	3.8
Solar	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>624.3</b>	<b>625.9</b>	<b>668.3</b>	<b>708.5</b>	<b>770.3</b>	<b>811.1</b>	<b>858.4</b>	<b>902.1</b>	<b>928.3</b>
Electricity	289.4	294.5	302.8	318.9	344.8	361.3	388.1	412.0	426.2
Oil	73.8	75.7	69.8	69.8	77.0	88.6	100.2	115.6	131.7
Natural Gas	136.3	145.4	148.8	164.4	180.1	184.4	183.9	179.7	170.8
Liquid Petroleum Gases	5.1	1.8	1.8	1.9	2.1	2.2	2.3	2.4	2.5
Coal, Coke and Coke Oven Gas	24.3	24.8	25.0	25.4	25.6	24.8	24.0	22.9	21.1
Steam	0.2	1.6	1.3	1.2	1.1	0.9	0.8	0.5	0.3
Hog Fuel and Pulping Liquor	95.3	82.1	118.8	126.6	139.0	147.8	158.1	167.9	174.5
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.3	0.7	1.0	1.1	1.2	1.2
<b>Transportation</b>	<b>416.0</b>	<b>422.1</b>	<b>425.9</b>	<b>450.4</b>	<b>469.8</b>	<b>478.1</b>	<b>476.8</b>	<b>466.4</b>	<b>459.4</b>
Oil	412.0	418.9	422.5	446.6	466.0	473.5	469.1	452.4	436.5
Methanol	0.0	0.0	0.0	0.0	0.0	0.8	3.9	10.2	19.1
Other (Propane, Natural Gas and Electricity)	4.0	3.2	3.3	3.8	3.8	3.8	3.8	3.8	3.9

<b>Non-Energy</b>	<b>79.8</b>	<b>84.2</b>	<b>81.6</b>	<b>88.7</b>	<b>94.3</b>	<b>100.7</b>	<b>108.2</b>	<b>116.1</b>	<b>124.7</b>
Natural Gas	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
Oil	8.8	12.8	9.0	10.1	10.7	11.6	12.6	13.6	14.7
Liquid Petroleum Gases	11.6	10.8	10.1	13.9	15.2	16.5	17.8	19.3	20.8
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	29.6	29.2	27.8	30.2	30.9	31.9	33.3	34.7	36.1
Lubricants and Greases	5.3	5.3	6.5	5.4	5.5	5.7	6.0	6.2	6.5
Other (e.g., Naphta Specialties and Petroleum Coke)	23.7	25.4	27.4	28.3	31.1	34.3	37.8	41.7	45.9

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1635.9	1663.0	1709.3	1791.7	1899.6	1972.0	2035.9	2087.6	2120.5
Total Own Use and Conversions	692.8	707.2	631.2	670.8	715.9	646.2	727.2	761.8	747.7
Less Electricity, Steam and Coke	637.0	650.4	661.5	688.0	731.5	760.1	795.4	827.8	847.9
<b>Total Primary Demand</b>	<b>1691.7</b>	<b>1719.8</b>	<b>1679.0</b>	<b>1774.6</b>	<b>1883.9</b>	<b>1858.2</b>	<b>1967.8</b>	<b>2021.6</b>	<b>2020.2</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	695.2	711.0	710.6	733.9	769.9	799.3	815.7	823.8	834.0
Natural Gas	228.8	241.2	249.1	266.3	285.3	294.7	301.1	306.3	306.5
Natural Gas Liquids	21.3	17.6	20.5	24.7	26.2	26.9	28.3	29.7	31.0
Coal	20.8	24.5	24.7	25.0	25.2	24.5	23.7	22.6	20.9
Hydro	539.6	540.1	456.5	488.7	524.5	505.6	516.3	538.3	577.3
Nuclear	54.6	63.4	52.9	59.7	59.7	0.0	60.4	60.4	0.0
Renewable Fuels	131.4	122.0	164.8	176.2	193.2	207.1	222.3	240.5	250.6

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	13.7	13.9	13.9	13.2	12.4	11.8	11.0	10.3	9.7
Residential Energy per Household (GJ/Hlds)	105.7	108.8	106.3	104.4	102.0	98.4	93.1	88.3	83.4
Commercial Energy per unit of GDP	3.3	3.2	3.2	3.1	2.9	2.8	2.7	2.7	2.6
Industrial Energy per unit of GDP	18.3	19.1	19.8	18.2	17.4	17.0	16.2	15.1	14.2

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>695.2</b>	<b>711.0</b>	<b>710.6</b>	<b>733.9</b>	<b>769.9</b>	<b>799.3</b>	<b>815.7</b>	<b>823.8</b>	<b>834.0</b>
Aviation Gasoline	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Aviation Turbo Fuel	30.2	32.8	28.0	37.7	39.0	42.1	45.6	49.6	55.5
Motor Gasoline	258.0	262.0	262.2	269.6	279.8	277.0	262.0	239.8	215.6
Light Fuel Oil and Kerosene	81.4	87.1	80.4	82.0	83.6	85.3	86.6	88.2	89.8
Diesel Fuel Oil	133.1	128.1	140.0	144.9	154.9	163.8	172.6	175.8	179.4
Heavy Fuel Oil	74.5	77.1	79.4	74.2	80.3	91.5	102.2	116.7	132.6
Petrochemical Feedstock	8.8	12.8	9.0	10.1	10.8	11.6	12.6	13.6	14.7
Refinery LPG	9.6	8.7	8.8	9.2	9.7	10.4	10.7	10.8	10.9
Other (e.g., Lubricants and Asphalt)	99.0	101.8	102.0	105.5	111.1	116.9	122.8	128.7	134.9

[1] Excludes fuels to generate electricity for exports

Table A3.4c: Demand, A&amp;R Sensitivity, Ontario

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	28.53	28.53	27.96	26.31	25.27	25.27	25.90	26.54	27.19
Natural Gas	9.48	9.74	10.65	10.79	10.87	11.19	11.90	12.72	13.05
Light Fuel Oil	16.42	18.07	17.40	16.06	15.45	15.12	14.83	14.51	14.08
<b>Commercial (\$1997/GJ)</b>									
Electricity	23.56	23.56	23.09	21.73	20.87	20.87	21.39	21.91	22.46
Natural Gas	7.10	7.41	8.34	8.58	8.75	9.03	9.71	10.49	10.77
Light Fuel Oil	11.55	13.06	12.46	11.37	10.91	10.55	10.25	9.93	9.54
<b>Industrial (\$1997/GJ)</b>									
Electricity	21.27	21.27	20.84	19.62	18.84	18.84	19.31	19.78	20.27
Natural Gas	4.19	4.46	5.23	5.54	5.84	6.24	6.98	7.84	8.27
Heavy Fuel Oil	4.07	5.03	5.19	4.99	4.85	4.97	5.15	5.04	4.85
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>2580.5</b>	<b>2719.3</b>	<b>2726.4</b>	<b>2814.6</b>	<b>3035.3</b>	<b>3203.5</b>	<b>3381.4</b>	<b>3553.7</b>	<b>3695.1</b>
Electricity	482.8	485.4	482.3	510.1	564.1	615.0	678.0	741.0	793.8
Oil	987.5	1029.9	1048.1	1067.2	1142.7	1192.4	1237.2	1286.2	1340.6
Natural Gas	820.4	869.6	862.1	896.7	975.1	1035.6	1094.1	1135.4	1151.5
Liquid Petroleum Gases and Ethane	50.2	84.5	69.2	70.9	76.5	81.9	86.9	92.0	97.0
Coal, Coke and Coke Oven Gas	140.6	142.7	142.1	143.9	143.0	137.7	130.9	126.2	118.2
Steam	3.2	11.4	21.8	22.0	22.9	23.2	23.7	23.8	23.1
Hog Fuel, Pulping Liquor and Wood	95.1	95.2	100.1	102.2	107.3	110.6	115.4	119.2	119.4
Solar	0.7	0.7	0.7	1.6	3.7	5.8	7.6	9.6	11.6
Methanol	0.0	0.0	0.0	0.0	0.0	1.4	7.6	20.4	40.0
<b>Residential Sector</b>	<b>568.7</b>	<b>618.1</b>	<b>588.9</b>	<b>597.5</b>	<b>629.5</b>	<b>659.0</b>	<b>684.0</b>	<b>711.7</b>	<b>736.6</b>
Electricity	159.8	166.8	158.7	166.2	183.9	199.8	213.3	228.0	242.4
Oil	53.8	67.9	60.5	60.3	60.9	60.7	61.4	63.9	67.2
Natural Gas	328.2	351.4	338.6	339.6	351.5	362.5	370.5	378.0	382.2
Liquid Petroleum Gases	6.1	10.5	9.4	9.7	10.5	11.1	11.7	12.3	12.9
Wood	20.1	20.8	20.9	20.4	20.1	20.6	21.3	21.8	22.2
Solar	0.7	0.7	0.7	1.2	2.6	4.2	5.8	7.6	9.6
Coal	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
<b>Commercial Sector</b>	<b>353.2</b>	<b>373.9</b>	<b>377.6</b>	<b>396.6</b>	<b>422.4</b>	<b>446.3</b>	<b>473.9</b>	<b>502.3</b>	<b>523.2</b>
Electricity	163.2	161.1	164.0	173.9	184.1	194.9	208.3	223.1	235.0
Oil	20.3	19.9	19.7	22.5	24.0	25.2	26.6	28.3	30.2
Natural Gas	164.8	179.2	184.7	193.3	206.8	218.0	230.2	241.6	248.1
Liquid Petroleum Gases	4.6	13.3	8.7	6.6	7.1	7.5	8.1	8.6	9.1
Solar	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.4	0.5
Steam	0.2	0.4	0.5	0.2	0.3	0.3	0.3	0.3	0.3
<b>Industrial Sector</b>	<b>754.4</b>	<b>776.5</b>	<b>780.9</b>	<b>825.7</b>	<b>914.1</b>	<b>980.7</b>	<b>1069.2</b>	<b>1154.6</b>	<b>1206.3</b>
Electricity	158.5	156.3	158.3	168.8	194.8	219.1	255.2	288.7	315.1
Oil	51.1	59.2	46.3	50.2	53.8	60.6	76.8	107.7	137.1
Natural Gas	318.7	328.0	329.1	354.0	406.4	443.4	481.0	502.8	507.2
Liquid Petroleum Gases	7.5	5.0	4.6	4.9	5.5	5.9	6.4	7.0	7.3
Coal, Coke and Coke Oven Gas	140.6	142.7	142.1	143.9	143.0	137.7	130.9	126.2	118.2
Steam	2.9	11.0	21.2	21.7	22.6	22.8	23.3	23.4	22.7
Hog Fuel and Pulping Liquor	75.0	74.4	79.2	81.9	87.2	89.9	94.2	97.4	97.2
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.4	0.9	1.3	1.4	1.5	1.6
<b>Transportation</b>	<b>672.7</b>	<b>688.5</b>	<b>727.9</b>	<b>745.0</b>	<b>799.7</b>	<b>825.8</b>	<b>841.3</b>	<b>849.9</b>	<b>869.8</b>
Oil	658.2	671.6	714.2	728.9	783.2	807.3	816.3	811.7	811.5
Methanol	0.0	0.0	0.0	0.0	0.0	1.4	7.6	20.4	40.0
Other (Propane, Natural Gas and Electricity)	14.5	16.9	13.7	16.1	16.5	17.0	17.4	17.9	18.4

<b>Non-Energy</b>	<b>231.6</b>	<b>262.4</b>	<b>251.1</b>	<b>249.9</b>	<b>269.5</b>	<b>291.7</b>	<b>312.9</b>	<b>335.2</b>	<b>359.2</b>
Natural Gas	5.4	7.3	7.7	6.5	7.1	8.1	8.8	9.5	10.3
Oil	129.2	133.9	133.2	128.7	141.0	154.9	167.7	181.5	196.5
Liquid Petroleum Gases	11.6	33.2	27.0	26.4	29.9	33.4	36.4	39.4	42.6
Ethane	10.4	10.7	8.9	11.7	11.7	11.7	11.7	11.7	11.7
Asphalt	38.9	41.4	43.3	40.8	42.4	44.2	46.6	49.0	51.4
Lubricants and Greases	19.0	17.5	15.8	19.9	20.7	21.6	22.7	23.9	25.1
Other (e.g., Naphta Specialties and Petroleum Coke)	17.0	18.5	15.2	15.8	16.8	17.8	19.0	20.3	21.6

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	2580.5	2719.3	2726.4	2814.6	3035.3	3203.5	3381.4	3553.7	3695.1
Total Own Use and Conversions	1735.0	1654.4	1623.4	1656.5	1895.1	2006.9	2158.5	2186.8	2264.9
Less Electricity, Steam and Coke	655.8	664.3	664.7	692.0	750.2	799.4	860.0	922.6	972.6
<b>Total Primary Demand</b>	<b>3659.7</b>	<b>3709.5</b>	<b>3685.1</b>	<b>3779.1</b>	<b>4180.2</b>	<b>4411.0</b>	<b>4680.0</b>	<b>4818.0</b>	<b>4987.4</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	1091.7	1129.7	1158.4	1178.8	1255.2	1317.1	1372.3	1424.6	1488.8
Natural Gas	988.6	1026.0	1008.8	1126.0	1199.5	1291.7	1405.8	1489.1	1592.1
Natural Gas Liquids	53.9	84.3	68.5	73.8	77.5	80.2	84.4	88.1	91.4
Coal	257.7	278.9	359.1	404.7	306.8	381.9	383.7	351.8	338.6
Hydro	131.2	146.5	132.2	135.6	136.9	146.1	153.3	157.4	157.4
Nuclear	1035.4	944.4	849.1	741.2	1077.0	1058.7	1129.4	1131.7	1131.7
Renewable Fuels	101.7	100.7	109.0	119.0	127.2	135.4	151.0	175.2	187.3

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	12.1	12.6	12.1	11.1	10.5	9.9	9.2	8.6	8.1
Residential Energy per Household (GJ/Hlds)	134.0	143.6	135.6	130.6	127.3	123.0	116.1	109.2	101.6
Commercial Energy per unit of GDP	3.3	3.5	3.4	3.2	3.0	2.9	2.8	2.7	2.6
Industrial Energy per unit of GDP	11.7	11.8	11.2	10.2	9.8	9.5	9.2	8.7	8.3

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>1091.7</b>	<b>1129.7</b>	<b>1158.4</b>	<b>1178.8</b>	<b>1255.2</b>	<b>1317.1</b>	<b>1372.3</b>	<b>1424.6</b>	<b>1488.8</b>
Aviation Gasoline	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2
Aviation Turbo Fuel	52.5	58.3	63.8	60.1	61.8	66.6	71.8	77.8	86.8
Motor Gasoline	424.5	431.4	446.8	456.6	491.9	504.9	495.8	473.5	447.3
Light Fuel Oil and Kerosene	56.9	71.6	60.1	61.6	61.8	62.1	63.5	66.7	71.3
Diesel Fuel Oil	192.2	198.0	214.0	221.7	241.1	250.0	265.3	279.8	298.7
Heavy Fuel Oil	56.9	50.3	55.4	59.8	55.9	67.2	87.8	116.5	150.0
Petrochemical Feedstock	129.2	133.9	133.2	128.7	141.0	154.9	167.7	181.5	196.5
Refinery LPG	15.5	16.7	17.4	18.6	21.0	22.8	23.2	23.4	23.8
Other (e.g., Lubricants and Asphalt)	163.1	168.5	166.6	170.7	179.6	187.5	196.1	204.3	213.2

[1] Excludes fuels to generate electricity for exports

Table A3.5c: Demand, A&amp;R Sensitivity, Manitoba

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	18.57	18.39	18.57	18.38	18.02	18.02	18.94	19.88	20.85
Natural Gas	10.79	11.12	12.04	12.15	12.20	12.51	13.22	14.04	14.35
Light Fuel Oil	18.09	19.56	18.89	17.51	16.87	16.52	16.22	15.88	15.45
<b>Commercial (\$1997/GJ)</b>									
Electricity	13.09	12.96	13.09	12.95	12.70	12.70	13.35	14.01	14.69
Natural Gas	6.30	6.61	7.54	7.80	7.98	8.28	8.98	9.77	10.07
Light Fuel Oil	9.79	11.40	10.76	9.64	9.20	8.87	8.60	8.31	7.93
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.48	10.37	10.48	10.37	10.16	10.16	10.68	11.22	11.76
Natural Gas	4.29	4.56	5.32	5.64	5.94	6.34	7.08	7.94	8.36
Heavy Fuel Oil	3.53	4.37	4.78	4.86	4.73	4.88	4.96	4.85	4.66
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>249.7</b>	<b>256.4</b>	<b>250.6</b>	<b>263.2</b>	<b>278.5</b>	<b>292.5</b>	<b>302.7</b>	<b>307.5</b>	<b>311.6</b>
Electricity	57.9	59.9	60.0	63.0	67.9	72.0	75.6	79.0	82.3
Oil	99.8	99.5	96.7	103.2	108.3	112.8	115.8	114.9	113.4
Natural Gas	77.3	82.2	77.4	82.4	86.8	91.4	94.0	94.9	95.4
Liquid Petroleum Gases and Ethane	4.9	4.0	5.7	3.5	3.8	4.0	4.2	4.4	4.6
Coal, Coke and Coke Oven Gas	2.2	2.4	2.4	2.4	2.5	2.5	2.5	2.4	2.2
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	7.4	8.0	8.1	8.3	8.6	8.8	9.0	9.0	9.0
Solar	0.3	0.3	0.3	0.4	0.6	0.8	1.0	1.1	1.3
Methanol	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.8	3.4
<b>Residential Sector</b>	<b>67.8</b>	<b>72.2</b>	<b>67.4</b>	<b>69.3</b>	<b>72.3</b>	<b>74.7</b>	<b>76.0</b>	<b>77.8</b>	<b>79.2</b>
Electricity	24.2	25.3	24.5	25.6	27.5	28.6	29.4	30.4	31.3
Oil	12.1	11.7	11.1	11.5	12.0	12.6	13.7	14.8	15.5
Natural Gas	27.0	30.5	27.1	27.4	28.1	28.7	28.3	28.1	27.9
Liquid Petroleum Gases	1.8	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4
Wood	2.3	3.2	3.2	3.1	3.0	2.8	2.5	2.2	1.9
Solar	0.3	0.3	0.3	0.4	0.5	0.7	0.8	1.0	1.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Commercial Sector</b>	<b>45.8</b>	<b>48.5</b>	<b>48.2</b>	<b>50.6</b>	<b>52.7</b>	<b>56.0</b>	<b>58.7</b>	<b>59.3</b>	<b>59.9</b>
Electricity	13.8	14.1	14.3	15.1	15.3	16.2	17.1	17.4	17.8
Oil	2.0	2.1	2.3	2.1	2.2	2.3	2.4	2.5	2.6
Natural Gas	28.9	31.1	29.5	32.6	34.2	36.4	38.0	38.2	38.3
Liquid Petroleum Gases	1.0	1.1	2.0	0.9	1.0	1.1	1.1	1.2	1.2
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>48.9</b>	<b>47.9</b>	<b>47.7</b>	<b>50.3</b>	<b>55.7</b>	<b>60.0</b>	<b>64.7</b>	<b>68.5</b>	<b>71.2</b>
Electricity	19.9	20.5	21.2	22.3	25.1	27.2	29.1	31.2	33.2
Oil	4.5	3.8	3.2	3.5	3.4	4.3	5.7	6.7	7.4
Natural Gas	16.2	15.4	15.5	16.4	18.3	19.1	19.9	20.2	20.0
Liquid Petroleum Gases	1.1	1.0	0.5	0.6	0.7	0.8	1.0	1.1	1.2
Coal, Coke and Coke Oven Gas	2.2	2.4	2.4	2.4	2.5	2.5	2.5	2.4	2.2
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	5.0	4.9	4.9	5.1	5.7	6.1	6.5	6.8	7.1
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
<b>Transportation</b>	<b>78.6</b>	<b>79.2</b>	<b>78.7</b>	<b>83.4</b>	<b>88.1</b>	<b>90.9</b>	<b>91.6</b>	<b>89.6</b>	<b>88.0</b>
Oil	77.7	78.5	76.7	82.7	87.3	90.0	90.2	87.0	83.8
Methanol	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.8	3.4
Other (Propane, Natural Gas and Electricity)	0.9	0.8	2.0	0.8	0.8	0.8	0.8	0.8	0.8



<b>Non-Energy</b>	<b>8.6</b>	<b>8.6</b>	<b>8.6</b>	<b>9.5</b>	<b>9.6</b>	<b>10.9</b>	<b>11.6</b>	<b>12.4</b>	<b>13.2</b>
Natural Gas	5.2	5.2	5.2	6.0	6.2	7.3	7.9	8.5	9.2
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquid Petroleum Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	2.3	2.1	2.3	2.3	2.4	2.5	2.6	2.6	2.7
Lubricants and Greases	0.9	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.1
Other (e.g., Naphta Specialties and Petroleum Coke)	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	249.7	256.4	250.6	263.2	278.5	292.5	302.7	307.5	311.6
Total Own Use and Conversions	110.4	119.8	123.7	132.6	137.7	143.3	148.3	150.0	154.0
Less Electricity, Steam and Coke	70.4	73.6	75.2	76.3	82.1	86.7	90.4	93.9	97.9
<b>Total Primary Demand</b>	<b>289.8</b>	<b>302.7</b>	<b>299.1</b>	<b>319.5</b>	<b>334.0</b>	<b>349.1</b>	<b>360.5</b>	<b>363.5</b>	<b>367.7</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	100.7	100.7	97.0	103.5	108.7	113.2	116.1	115.3	113.7
Natural Gas	103.1	108.5	103.9	113.2	115.8	121.7	126.0	131.0	132.5
Natural Gas Liquids	4.8	4.1	5.8	3.5	3.8	4.0	4.2	4.4	4.6
Coal	1.4	5.7	4.9	6.9	7.0	6.5	6.5	2.4	2.2
Hydro	72.5	77.0	79.1	83.7	89.5	93.7	96.9	98.4	101.8
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	8.4	8.4	8.4	8.7	9.3	10.0	10.9	12.0	12.9

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	13.7	13.7	13.0	12.3	11.6	10.9	10.1	9.5	9.0
Residential Energy per Household (GJ/Hlds)	135.3	145.8	133.4	131.0	127.8	122.7	115.6	110.3	105.2
Commercial Energy per unit of GDP	5.0	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.8
Industrial Energy per unit of GDP	13.9	13.3	12.4	11.2	11.0	10.7	10.3	10.2	9.8

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>100.7</b>	<b>100.7</b>	<b>97.0</b>	<b>103.5</b>	<b>108.7</b>	<b>113.2</b>	<b>116.1</b>	<b>115.3</b>	<b>113.7</b>
Aviation Gasoline	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Aviation Turbo Fuel	7.6	8.4	8.7	8.3	8.1	8.3	8.5	8.6	9.1
Motor Gasoline	49.6	48.5	47.5	50.6	52.7	53.7	52.1	48.4	44.3
Light Fuel Oil and Kerosene	2.0	2.3	1.5	1.7	1.6	1.6	1.6	1.7	1.7
Diesel Fuel Oil	36.0	36.5	34.6	38.6	42.3	44.8	48.0	49.8	51.2
Heavy Fuel Oil	1.7	1.3	1.0	0.6	0.1	0.7	1.8	2.6	3.1
Petrochemical Feedstock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Refinery LPG	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other (e.g., Lubricants and Asphalt)	3.3	3.3	3.4	3.4	3.4	3.6	3.7	3.8	4.0

[1] Excludes fuels to generate electricity for exports

Table A3.6c: Demand, A&amp;R Sensitivity, Saskatchewan

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	24.74	24.74	24.74	23.29	22.37	22.37	22.37	23.51	25.45
Natural Gas	8.64	8.81	9.80	9.93	10.06	10.43	11.22	12.14	12.51
Light Fuel Oil	16.29	18.05	17.36	16.00	15.39	15.05	14.77	14.44	14.02
<b>Commercial (\$1997/GJ)</b>									
Electricity	23.36	23.36	23.36	21.98	21.11	21.11	21.11	22.19	24.02
Natural Gas	6.62	6.80	7.73	7.92	8.10	8.40	9.09	9.88	10.18
Light Fuel Oil	9.43	10.98	10.39	9.35	8.94	8.62	8.37	8.09	7.74
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.70	14.70	14.70	13.84	13.29	13.29	13.29	13.97	15.12
Natural Gas	3.33	3.49	4.25	4.52	4.82	5.22	5.96	6.82	7.24
Heavy Fuel Oil	4.60	5.77	5.64	5.25	5.10	4.99	4.92	4.81	4.62
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>353.5</b>	<b>366.7</b>	<b>374.1</b>	<b>379.8</b>	<b>394.1</b>	<b>407.8</b>	<b>420.1</b>	<b>428.0</b>	<b>434.0</b>
Electricity	52.4	54.0	60.7	61.0	64.8	68.7	72.6	76.2	79.4
Oil	131.9	138.7	144.2	138.8	142.1	144.0	144.9	143.6	142.8
Natural Gas	151.8	156.5	149.2	159.6	166.3	173.5	180.1	184.5	186.3
Liquid Petroleum Gases and Ethane	4.2	3.8	5.0	5.0	5.2	5.4	5.5	5.6	5.7
Coal, Coke and Coke Oven Gas	2.7	3.2	3.6	3.7	3.8	3.8	3.8	3.9	3.8
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	10.2	10.2	11.1	11.3	11.3	11.4	11.4	11.3	11.1
Solar	0.3	0.3	0.3	0.4	0.6	0.9	1.0	1.2	1.4
Methanol	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.8	3.4
<b>Residential Sector</b>	<b>90.8</b>	<b>102.8</b>	<b>97.2</b>	<b>96.9</b>	<b>99.3</b>	<b>101.3</b>	<b>104.1</b>	<b>105.7</b>	<b>106.0</b>
Electricity	14.3	15.1	15.0	15.6	16.7	17.8	18.9	19.9	20.8
Oil	28.9	32.7	34.6	33.4	33.6	33.2	33.9	33.8	33.1
Natural Gas	45.1	52.2	43.9	44.2	45.3	46.7	47.7	48.4	48.7
Liquid Petroleum Gases	0.9	0.4	0.9	1.0	1.0	1.1	1.1	1.2	1.2
Wood	1.3	2.0	1.9	1.8	1.7	1.5	1.4	1.2	1.0
Solar	0.3	0.3	0.3	0.3	0.5	0.6	0.8	1.0	1.2
Coal	0.0	0.2	0.7	0.6	0.5	0.4	0.3	0.2	0.1
<b>Commercial Sector</b>	<b>41.2</b>	<b>45.4</b>	<b>47.3</b>	<b>49.2</b>	<b>51.3</b>	<b>53.8</b>	<b>55.2</b>	<b>56.1</b>	<b>56.3</b>
Electricity	14.7	15.3	19.5	17.3	17.9	18.8	19.4	20.0	20.3
Oil	2.0	2.5	4.1	2.2	2.3	2.4	2.5	2.6	2.7
Natural Gas	24.1	26.4	22.5	28.7	30.0	31.4	32.0	32.2	32.0
Liquid Petroleum Gases	0.5	1.2	1.2	1.0	1.1	1.2	1.2	1.2	1.2
Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>127.4</b>	<b>122.2</b>	<b>132.0</b>	<b>138.9</b>	<b>146.1</b>	<b>153.1</b>	<b>160.8</b>	<b>167.7</b>	<b>174.7</b>
Electricity	23.4	23.6	26.2	28.1	30.2	32.1	34.3	36.3	38.3
Oil	8.1	8.2	9.0	9.6	9.9	10.1	10.4	11.5	14.5
Natural Gas	82.6	78.0	82.8	86.7	91.0	95.5	100.4	103.8	105.5
Liquid Petroleum Gases	1.7	1.3	1.8	1.9	1.9	2.0	2.1	2.1	2.2
Coal, Coke and Coke Oven Gas	2.7	3.0	3.0	3.1	3.2	3.4	3.5	3.6	3.7
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	8.9	8.2	9.2	9.5	9.7	9.8	10.0	10.1	10.2
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2
<b>Transportation</b>	<b>86.3</b>	<b>88.6</b>	<b>90.0</b>	<b>86.9</b>	<b>89.5</b>	<b>91.4</b>	<b>91.5</b>	<b>89.8</b>	<b>88.1</b>
Oil	85.3	87.6	89.0	85.9	88.5	90.2	89.8	87.0	83.6
Methanol	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.8	3.4
Other (Propane, Natural Gas and Electricity)	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0

<b>Non-Energy</b>	<b>7.8</b>	<b>7.7</b>	<b>7.6</b>	<b>7.8</b>	<b>7.9</b>	<b>8.2</b>	<b>8.5</b>	<b>8.7</b>	<b>9.0</b>
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquid Petroleum Gases	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	5.3	5.3	5.1	5.5	5.6	5.8	6.0	6.2	6.4
Lubricants and Greases	1.8	1.8	2.2	1.8	1.9	1.9	2.0	2.1	2.1
Other (e.g., Naphta Specialties and Petroleum Coke)	0.5	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.4

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	353.5	366.7	374.1	379.8	394.1	407.8	420.1	428.0	434.0
Total Own Use and Conversions	296.3	301.3	295.4	323.5	349.2	362.3	377.3	368.4	357.3
Less Electricity, Steam and Coke	58.5	61.3	63.1	67.9	72.7	76.8	80.8	84.6	88.2
<b>Total Primary Demand</b>	<b>591.4</b>	<b>606.7</b>	<b>606.4</b>	<b>635.4</b>	<b>670.6</b>	<b>693.3</b>	<b>716.6</b>	<b>711.8</b>	<b>703.2</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	151.6	159.8	165.1	159.0	162.7	165.0	166.1	164.5	163.7
Natural Gas	265.1	273.1	267.4	304.0	326.3	351.4	378.0	374.5	378.7
Natural Gas Liquids	2.3	2.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8
Coal	146.8	145.6	145.1	141.4	150.0	144.5	139.0	137.9	124.5
Hydro	14.8	15.8	14.3	14.4	14.4	14.5	14.6	14.6	14.7
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	10.8	10.4	11.3	13.5	13.9	14.5	15.4	16.6	17.9

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	19.6	19.3	18.8	17.1	15.8	14.7	13.7	12.7	11.9
Residential Energy per Household (GJ/Hlds)	164.0	187.4	163.2	159.5	154.0	149.5	144.3	138.8	132.6
Commercial Energy per unit of GDP	5.4	5.7	5.7	5.5	5.2	5.0	4.8	4.6	4.4
Industrial Energy per unit of GDP	28.4	25.5	24.6	22.7	21.9	20.9	21.0	21.0	20.7

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>151.6</b>	<b>159.8</b>	<b>165.1</b>	<b>159.0</b>	<b>162.7</b>	<b>165.0</b>	<b>166.1</b>	<b>164.5</b>	<b>163.7</b>
Aviation Gasoline	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Aviation Turbo Fuel	2.8	3.4	2.7	3.0	3.0	3.0	3.1	3.2	3.5
Motor Gasoline	58.8	59.6	60.2	56.7	56.9	57.5	55.7	52.2	48.2
Light Fuel Oil and Kerosene	1.6	2.1	1.7	1.8	1.8	1.8	1.8	1.7	1.7
Diesel Fuel Oil	58.3	63.1	67.3	66.5	69.3	70.5	72.9	73.7	73.8
Heavy Fuel Oil	3.4	3.8	4.7	3.1	3.1	3.1	3.1	4.1	6.9
Petrochemical Feedstock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Refinery LPG	2.3	2.5	2.7	2.7	2.8	2.9	2.9	2.9	2.8
Other (e.g., Lubricants and Asphalt)	24.1	25.0	25.4	24.9	25.5	26.0	26.4	26.4	26.6

[1] Excludes fuels to generate electricity for exports

Table A3.7c: Demand, A&amp;R Sensitivity, Alberta

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	20.58	20.58	20.58	20.58	20.58	20.58	20.58	21.63	23.41
Natural Gas	6.65	7.04	7.96	8.19	8.36	8.75	9.55	10.48	10.86
Light Fuel Oil	13.91	15.24	14.62	13.41	12.89	12.60	12.35	12.08	11.71
<b>Commercial (\$1997/GJ)</b>									
Electricity	15.64	15.64	15.64	15.64	15.64	15.64	15.64	16.44	17.80
Natural Gas	4.16	4.57	5.44	5.73	5.96	6.30	7.04	7.87	8.20
Light Fuel Oil	8.57	10.13	9.54	8.52	8.13	7.83	7.59	7.33	6.99
<b>Industrial (\$1997/GJ)</b>									
Electricity	14.41	14.41	14.41	14.41	14.41	14.41	14.41	15.14	16.39
Natural Gas	2.08	2.48	3.19	3.51	3.81	4.20	4.95	5.80	6.23
Heavy Fuel Oil	3.85	4.84	4.96	4.79	4.65	4.89	4.82	4.72	4.53
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1506.4</b>	<b>1711.0</b>	<b>1729.4</b>	<b>1866.6</b>	<b>2053.8</b>	<b>2124.4</b>	<b>2213.8</b>	<b>2217.5</b>	<b>2259.7</b>
Electricity	171.8	179.2	184.2	195.3	208.9	214.7	232.4	249.6	262.2
Oil	423.9	467.7	500.7	509.1	537.1	544.5	555.5	562.7	564.6
Natural Gas	695.2	817.8	804.4	819.2	896.5	949.5	1000.2	1031.3	1046.8
Liquid Petroleum Gases and Ethane	156.9	181.9	178.6	279.4	343.8	348.2	352.6	293.2	297.5
Coal, Coke and Coke Oven Gas	1.5	1.4	0.8	0.9	0.9	0.9	0.9	0.9	0.9
Steam	4.6	7.7	4.1	4.1	4.1	3.8	3.8	3.8	3.6
Hog Fuel, Pulping Liquor and Wood	52.4	55.3	56.5	58.2	61.3	60.5	63.8	66.7	68.1
Solar	0.1	0.1	0.1	0.5	1.2	1.8	2.2	2.6	2.9
Methanol	0.0	0.0	0.0	0.0	0.0	0.4	2.4	6.6	13.1
<b>Residential Sector</b>	<b>219.0</b>	<b>247.5</b>	<b>229.9</b>	<b>231.1</b>	<b>241.1</b>	<b>242.6</b>	<b>243.1</b>	<b>242.0</b>	<b>238.8</b>
Electricity	28.6	30.0	29.8	31.3	34.1	35.1	36.2	37.2	38.0
Oil	24.7	26.6	29.7	27.6	28.3	29.9	32.0	34.0	34.6
Natural Gas	162.0	186.6	166.8	168.3	174.3	172.8	169.8	165.5	160.6
Liquid Petroleum Gases	2.0	2.2	2.2	2.3	2.5	2.5	2.5	2.5	2.5
Wood	0.6	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6
Solar	0.1	0.1	0.1	0.2	0.6	0.9	1.3	1.6	1.9
Coal	1.0	1.1	0.6	0.6	0.7	0.7	0.6	0.6	0.6
<b>Commercial Sector</b>	<b>131.6</b>	<b>129.7</b>	<b>132.4</b>	<b>138.9</b>	<b>146.7</b>	<b>149.3</b>	<b>156.5</b>	<b>163.6</b>	<b>166.7</b>
Electricity	42.3	43.9	45.5	50.1	52.6	53.6	56.6	59.8	61.6
Oil	2.3	2.4	3.0	2.8	2.9	3.0	3.2	3.4	3.6
Natural Gas	77.7	73.7	69.6	78.6	83.2	84.4	88.0	91.2	92.0
Liquid Petroleum Gases	9.3	9.7	14.4	7.4	7.9	8.1	8.6	9.1	9.4
Solar	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>562.2</b>	<b>626.0</b>	<b>663.2</b>	<b>713.1</b>	<b>785.0</b>	<b>819.8</b>	<b>875.4</b>	<b>909.8</b>	<b>922.8</b>
Electricity	100.8	105.0	108.7	113.6	122.0	125.8	139.4	152.4	162.4
Oil	76.9	91.8	93.6	94.9	97.4	93.3	95.6	96.9	95.7
Natural Gas	243.8	269.8	295.1	305.7	326.7	322.7	340.7	357.0	365.2
Liquid Petroleum Gases	12.2	9.5	13.3	13.4	13.6	12.9	13.1	13.1	12.7
Coal, Coke and Coke Oven Gas	0.4	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3
Steam	4.6	7.7	4.1	4.1	4.1	3.8	3.8	3.8	3.6
Hog Fuel and Pulping Liquor	51.8	54.5	55.7	57.4	60.6	59.8	63.1	66.1	67.5
Natural Gas for Bitumen Extraction	71.6	87.4	92.4	123.4	159.7	200.5	218.6	219.4	214.5
Solar	0.0	0.0	0.0	0.3	0.6	0.8	0.8	0.8	0.9
<b>Transportation</b>	<b>268.8</b>	<b>280.2</b>	<b>293.7</b>	<b>304.7</b>	<b>325.8</b>	<b>332.5</b>	<b>338.0</b>	<b>342.9</b>	<b>348.4</b>
Oil	258.1	268.4	285.6	294.8	315.5	321.6	324.8	325.1	323.8
Methanol	0.0	0.0	0.0	0.0	0.0	0.4	2.4	6.6	13.1
Other (Propane, Natural Gas and Electricity)	10.7	11.8	8.1	9.9	10.2	10.5	10.9	11.2	11.5

<b>Non-Energy</b>	<b>324.8</b>	<b>427.5</b>	<b>410.2</b>	<b>478.8</b>	<b>555.2</b>	<b>580.2</b>	<b>600.7</b>	<b>559.0</b>	<b>583.0</b>
Natural Gas	139.2	200.2	180.6	143.3	152.5	169.1	183.1	198.2	214.6
Oil	12.2	12.0	14.7	13.5	15.6	17.5	19.0	20.5	22.2
Liquid Petroleum Gases	22.3	19.6	29.7	33.7	38.3	42.9	46.4	50.1	54.1
Ethane	101.4	129.2	111.1	212.8	271.4	271.4	271.4	207.5	207.5
Asphalt	23.0	23.0	23.7	24.4	25.4	26.3	27.1	27.9	28.7
Lubricants and Greases	6.0	6.0	5.4	6.4	6.6	6.9	7.1	7.3	7.5
Other (e.g., Naphta Specialties and Petroleum Coke)	20.7	37.4	45.1	44.8	45.4	46.1	46.8	47.6	48.4

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1506.4	1711.0	1729.4	1866.6	2053.8	2124.4	2213.8	2217.5	2259.7
Total Own Use and Conversions	1149.6	1229.5	1251.1	1307.0	1358.7	1394.8	1458.1	1465.3	1447.2
Less Electricity, Steam and Coke	190.2	200.7	203.0	215.0	229.8	235.3	253.8	271.5	287.0
<b>Total Primary Demand</b>	<b>2465.9</b>	<b>2739.8</b>	<b>2777.6</b>	<b>2958.5</b>	<b>3182.6</b>	<b>3283.9</b>	<b>3418.1</b>	<b>3411.2</b>	<b>3419.9</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	562.3	635.3	680.4	686.8	725.3	736.6	752.4	763.7	767.7
Natural Gas	1189.4	1379.8	1394.2	1454.5	1611.7	1706.7	1831.6	1880.7	1905.2
Natural Gas Liquids	166.2	176.0	171.5	277.0	340.7	343.8	347.1	286.2	289.0
Coal	481.5	477.3	466.2	470.6	430.9	422.6	405.7	390.2	362.8
Hydro	8.0	8.1	8.1	8.2	8.5	8.8	9.5	10.1	10.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	58.4	63.3	57.3	61.4	65.5	65.5	71.8	80.3	85.0

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	21.3	23.8	22.6	21.8	21.1	20.9	19.4	17.3	16.3
Residential Energy per Household (GJ/Hlds)	193.5	214.1	193.5	181.8	175.3	162.4	149.8	136.2	123.1
Commercial Energy per unit of GDP	5.1	5.1	4.9	4.6	4.3	4.2	4.0	3.9	3.7
Industrial Energy per unit of GDP	22.0	23.8	23.3	22.3	21.5	23.1	22.0	20.5	19.5

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>562.3</b>	<b>635.3</b>	<b>680.4</b>	<b>686.8</b>	<b>725.3</b>	<b>736.6</b>	<b>752.4</b>	<b>763.7</b>	<b>767.7</b>
Aviation Gasoline	0.6	0.5	0.6	0.4	0.4	0.4	0.4	0.4	0.4
Aviation Turbo Fuel	23.8	28.7	29.7	25.6	25.7	26.8	28.1	29.6	32.1
Motor Gasoline	120.7	134.9	141.7	141.6	154.1	156.4	154.8	148.9	140.7
Light Fuel Oil and Kerosene	2.5	3.0	3.2	3.2	3.2	3.0	3.0	2.9	2.8
Diesel Fuel Oil	140.4	161.3	177.3	182.2	190.6	192.5	198.8	206.2	210.7
Heavy Fuel Oil	1.1	1.0	0.9	0.6	0.7	0.7	0.7	0.8	0.9
Petrochemical Feedstock	12.2	12.0	14.7	13.5	15.6	17.5	19.0	20.5	22.2
Refinery LPG	23.5	27.4	29.4	31.1	32.5	32.6	32.8	32.9	32.7
Other (e.g., Lubricants and Asphalt)	237.5	266.5	283.0	288.6	302.5	306.7	314.7	321.5	325.4

[1] Excludes fuels to generate electricity for exports

Table A3.8c: Demand, A&amp;R Sensitivity, British Columbia and Territories

Section 1: End Use Energy Prices (Efficiency-Adjusted)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Residential (\$1997/GJ)</b>									
Electricity	19.19	18.81	17.87	16.82	16.82	16.82	16.82	17.67	19.13
Natural Gas	10.28	11.90	12.46	12.32	12.18	12.46	13.15	13.79	13.70
Light Fuel Oil	18.22	20.05	19.35	17.94	17.28	16.94	16.64	16.29	15.84
<b>Commercial (\$1997/GJ)</b>									
Electricity	14.09	13.81	13.12	12.35	12.35	12.35	12.35	12.98	14.05
Natural Gas	7.93	9.52	10.06	10.02	9.93	10.13	10.74	11.29	11.15
Light Fuel Oil	12.64	14.27	13.64	12.47	11.97	11.58	11.26	10.92	10.50
<b>Industrial (\$1997/GJ)</b>									
Electricity	10.38	10.18	9.67	9.10	9.10	9.10	9.10	9.56	10.35
Natural Gas	2.47	3.77	4.23	4.34	4.45	4.80	5.50	6.16	6.23
Heavy Fuel Oil	3.97	4.95	5.07	4.87	4.74	4.64	4.83	4.85	4.78
<b>Section 2: End Use Demand (petajoules)</b>									
<b>Total End Use</b>	<b>1118.3</b>	<b>1148.7</b>	<b>1131.8</b>	<b>1143.0</b>	<b>1208.6</b>	<b>1259.6</b>	<b>1297.5</b>	<b>1323.5</b>	<b>1347.9</b>
Electricity	209.1	212.3	206.1	210.8	229.5	242.8	255.1	265.4	272.8
Oil	385.5	399.6	410.4	414.3	430.2	444.3	449.3	450.9	458.1
Natural Gas	271.4	302.7	292.8	287.0	302.3	312.9	320.0	323.1	322.5
Liquid Petroleum Gases and Ethane	17.6	12.6	11.9	15.0	15.6	16.2	16.7	17.2	17.7
Coal, Coke and Coke Oven Gas	7.6	7.7	9.3	9.4	9.8	9.9	10.2	10.3	10.4
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel, Pulping Liquor and Wood	226.8	213.5	201.0	205.9	219.7	231.0	241.6	248.3	252.5
Solar	0.3	0.3	0.3	0.7	1.4	2.0	2.5	3.0	3.5
Methanol	0.0	0.0	0.0	0.0	0.0	0.4	1.9	5.2	10.6
<b>Residential Sector</b>	<b>164.8</b>	<b>184.5</b>	<b>178.1</b>	<b>181.7</b>	<b>191.0</b>	<b>194.9</b>	<b>197.9</b>	<b>199.8</b>	<b>200.2</b>
Electricity	54.9	59.6	57.7	59.8	64.3	66.6	69.0	71.2	72.8
Oil	11.3	14.4	14.0	14.4	14.8	14.8	14.8	14.8	14.6
Natural Gas	90.3	101.0	94.8	95.7	99.8	101.4	101.8	101.6	100.7
Liquid Petroleum Gases	1.9	1.5	1.3	1.4	1.5	1.6	1.6	1.7	1.7
Wood	6.1	7.7	7.4	7.3	7.2	6.9	6.6	6.2	5.7
Solar	0.3	0.3	0.3	0.5	0.9	1.4	1.8	2.3	2.7
Coal	0.0	0.0	2.5	2.5	2.4	2.2	2.2	2.1	2.0
<b>Commercial Sector</b>	<b>110.3</b>	<b>111.8</b>	<b>109.1</b>	<b>110.2</b>	<b>115.3</b>	<b>121.2</b>	<b>125.2</b>	<b>129.3</b>	<b>132.3</b>
Electricity	47.5	48.7	49.0	48.0	50.0	52.7	54.9	57.3	59.4
Oil	12.4	10.9	10.8	10.5	10.9	11.3	11.5	11.6	11.8
Natural Gas	47.5	49.9	46.7	48.1	50.6	53.1	54.5	55.9	56.5
Liquid Petroleum Gases	2.8	2.2	2.7	3.6	3.8	4.0	4.2	4.4	4.5
Solar	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Industrial Sector</b>	<b>487.6</b>	<b>480.9</b>	<b>461.4</b>	<b>471.5</b>	<b>501.0</b>	<b>525.1</b>	<b>547.6</b>	<b>560.6</b>	<b>568.2</b>
Electricity	106.4	103.5	99.0	102.6	114.9	123.1	130.8	136.6	140.3
Oil	33.7	37.1	37.3	40.2	35.9	36.3	36.5	36.8	38.5
Natural Gas	115.0	125.1	123.3	121.5	128.4	131.6	134.8	134.6	131.9
Liquid Petroleum Gases	4.3	1.7	1.5	1.5	1.6	1.7	1.7	1.7	1.8
Coal, Coke and Coke Oven Gas	7.5	7.7	6.8	6.9	7.4	7.7	8.0	8.2	8.3
Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hog Fuel and Pulping Liquor	220.7	205.7	193.6	198.6	212.5	224.0	235.0	242.1	246.8
Natural Gas for Bitumen Extraction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.2	0.4	0.6	0.6	0.6	0.6
<b>Transportation</b>	<b>318.5</b>	<b>327.3</b>	<b>337.0</b>	<b>340.0</b>	<b>358.9</b>	<b>371.8</b>	<b>377.0</b>	<b>380.7</b>	<b>390.5</b>
Oil	306.3	315.6	328.0	328.0	346.6	358.7	362.1	362.1	366.3
Methanol	0.0	0.0	0.0	0.0	0.0	0.4	1.9	5.2	10.6
Other (Propane, Natural Gas and Electricity)	12.2	11.7	9.0	12.0	12.3	12.6	13.0	13.3	13.7

<b>Non-Energy</b>	<b>37.2</b>	<b>44.2</b>	<b>46.1</b>	<b>39.6</b>	<b>42.3</b>	<b>46.7</b>	<b>49.8</b>	<b>53.1</b>	<b>56.7</b>
Natural Gas	14.9	22.6	25.7	17.9	19.7	23.0	25.0	27.0	29.2
Oil	0.4	0.1	0.0	0.4	0.5	0.5	0.5	0.5	0.5
Liquid Petroleum Gases	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
Ethane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt	9.6	9.4	9.3	9.8	10.0	10.4	10.8	11.2	11.7
Lubricants and Greases	4.1	4.4	5.1	4.1	4.3	4.4	4.6	4.8	5.0
Other (e.g., Naphta Specialties and Petroleum Coke)	7.8	7.7	5.9	6.8	7.3	7.9	8.5	9.1	9.8

### Section 3: Primary Demand (petajoules) [1]

Total End Use Demand	1118.3	1148.7	1131.8	1143.0	1208.6	1259.6	1297.5	1323.5	1347.9
Total Own Use and Conversions	375.8	385.1	261.0	269.2	312.4	328.6	343.2	346.7	358.2
Less Electricity, Steam and Coke	226.2	243.4	224.3	230.3	252.4	266.2	279.0	289.4	297.5
<b>Total Primary Demand</b>	<b>1267.9</b>	<b>1290.4</b>	<b>1168.5</b>	<b>1181.9</b>	<b>1268.6</b>	<b>1321.9</b>	<b>1361.7</b>	<b>1380.8</b>	<b>1408.6</b>

### Primary Energy Demand by Fuel (petajoules)

Oil (Including Refinery LPG)	413.1	424.9	434.8	438.2	456.5	472.4	478.5	481.0	489.1
Natural Gas	405.0	403.4	361.4	362.9	387.8	399.4	409.8	416.4	431.9
Natural Gas Liquids	14.0	9.2	8.4	11.8	12.4	12.8	13.3	13.8	14.1
Coal	11.6	14.1	17.3	17.5	38.6	39.8	39.9	40.5	40.5
Hydro	177.5	219.4	141.8	141.4	148.5	160.0	169.5	168.5	166.3
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Fuels	248.5	234.9	204.9	210.1	224.8	237.6	250.7	260.5	266.7

### Section 4: Ratios

#### Energy Intensity (PJ/\$1997 Billions)

Total Energy per unit of GDP	15.7	16.0	15.4	14.7	13.8	12.9	12.1	11.3	10.5
Residential Energy per Household (GJ/Hlds)	109.6	119.7	113.4	112.5	109.3	103.0	97.0	89.9	81.7
Commercial Energy per unit of GDP	3.1	3.1	3.0	2.9	2.7	2.6	2.5	2.4	2.3
Industrial Energy per unit of GDP	28.4	29.0	27.1	26.1	25.2	23.8	23.0	21.6	20.1

### Section 5: Petroleum Products (petajoules) [1]

<b>Total Primary Petroleum Product Demand</b>	<b>413.1</b>	<b>424.9</b>	<b>434.8</b>	<b>438.2</b>	<b>456.5</b>	<b>472.4</b>	<b>478.5</b>	<b>481.0</b>	<b>489.1</b>
Aviation Gasoline	1.1	1.1	1.0	1.2	1.2	1.2	1.2	1.2	1.2
Aviation Turbo Fuel	46.2	53.6	58.3	52.4	53.2	56.4	60.0	64.1	70.6
Motor Gasoline	147.9	150.8	158.4	155.6	165.4	169.8	164.1	154.9	145.6
Light Fuel Oil and Kerosene	18.2	18.2	16.3	16.9	17.1	17.1	17.0	16.9	16.6
Diesel Fuel Oil	128.5	130.8	134.5	140.4	150.5	155.9	161.8	166.5	172.6
Heavy Fuel Oil	29.5	28.2	25.1	29.6	25.3	26.2	27.2	28.9	32.4
Petrochemical Feedstock	0.4	0.1	0.0	0.4	0.5	0.5	0.5	0.5	0.5
Refinery LPG	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.7
Other (e.g., Lubricants and Asphalt)	37.0	37.6	36.7	37.3	38.8	40.5	42.0	43.3	44.9

[1] Excludes fuels to generate electricity for exports

Table A3.9c: End Use Demand by Fuel, A&amp;R Sensitivity, Atlantic Provinces

(petajoules)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Newfoundland</b>	<b>121.8</b>	<b>124.0</b>	<b>129.0</b>	<b>131.1</b>	<b>137.5</b>	<b>140.8</b>	<b>145.0</b>	<b>146.5</b>	<b>146.1</b>
Electricity	35.9	35.5	37.0	38.2	39.7	41.6	43.5	45.0	45.5
Oil Products	72.5	73.1	75.7	76.1	80.1	81.0	82.0	81.5	80.4
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	13.5	15.5	16.3	16.8	17.6	18.1	19.5	19.9	20.2
<b>Prince Edward Island</b>	<b>21.8</b>	<b>23.4</b>	<b>24.2</b>	<b>23.7</b>	<b>24.3</b>	<b>24.6</b>	<b>24.9</b>	<b>25.0</b>	<b>24.9</b>
Electricity	2.8	3.0	3.1	3.1	3.2	3.3	3.4	3.5	3.5
Oil Products	17.7	18.9	19.5	19.2	19.7	19.7	19.7	19.5	19.2
Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	1.3	1.5	1.6	1.4	1.4	1.6	1.8	2.0	2.2
<b>Nova Scotia</b>	<b>182.9</b>	<b>183.6</b>	<b>188.0</b>	<b>190.0</b>	<b>195.9</b>	<b>198.5</b>	<b>201.5</b>	<b>201.9</b>	<b>200.9</b>
Electricity	33.4	33.8	34.2	35.1	36.2	37.3	38.7	40.1	40.8
Oil Products	130.4	128.8	133.1	131.5	130.0	129.9	128.9	126.6	123.9
Natural Gas	0.0	0.0	0.0	3.3	8.6	8.8	9.6	10.0	10.3
Other	19.2	21.0	20.7	20.2	21.1	22.5	24.3	25.1	26.0
<b>New Brunswick</b>	<b>207.3</b>	<b>210.3</b>	<b>219.0</b>	<b>217.2</b>	<b>223.9</b>	<b>225.0</b>	<b>232.4</b>	<b>231.7</b>	<b>230.5</b>
Electricity	48.4	49.5	51.3	51.6	52.3	53.7	56.6	57.5	58.3
Oil Products	111.2	114.0	114.5	109.0	108.2	109.0	110.3	108.9	107.6
Natural Gas	0.0	0.0	0.0	5.1	11.5	10.8	11.3	11.3	11.1
Other	47.8	46.8	53.2	51.5	51.9	51.6	54.2	54.0	53.5



Table A3.10c: Transportation Energy Demand, A&amp;R Sensitivity, Canada

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Demand by Subsector (Petajoules)</b>									
<b>Road Transportation</b>	<b>1655.9</b>	<b>1685.6</b>	<b>1749.9</b>	<b>1805.5</b>	<b>1923.3</b>	<b>1963.6</b>	<b>1966.0</b>	<b>1939.4</b>	<b>1926.3</b>
Motor Gasoline	1214.1	1229.7	1260.1	1288.2	1362.6	1377.7	1335.0	1255.3	1165.4
Diesel	397.9	410.2	452.1	473.2	515.4	536.1	564.9	585.7	614.8
Methanol	0.0	0.0	0.0	0.0	0.0	3.6	18.7	49.8	96.4
Other (Propane, Natural Gas and Electricity)	43.9	45.7	37.7	44.1	45.3	46.3	47.4	48.5	49.7
<b>Rail Transportation</b>	<b>80.9</b>	<b>79.1</b>	<b>80.2</b>	<b>81.4</b>	<b>83.2</b>	<b>84.2</b>	<b>86.2</b>	<b>88.2</b>	<b>89.3</b>
Diesel Fuel Oil	80.9	79.1	80.2	81.4	83.2	84.2	86.2	88.2	89.3
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
<b>Air Transportation</b>	<b>185.1</b>	<b>209.5</b>	<b>214.0</b>	<b>212.3</b>	<b>216.2</b>	<b>230.1</b>	<b>245.3</b>	<b>262.8</b>	<b>289.9</b>
Aviation Gasoline	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Aviation Turbo Fuel	181.0	205.4	209.8	208.2	212.1	225.9	241.2	258.6	285.7
<b>Marine Transportation</b>	<b>102.0</b>	<b>101.1</b>	<b>100.3</b>	<b>103.6</b>	<b>108.8</b>	<b>114.3</b>	<b>120.1</b>	<b>126.2</b>	<b>132.6</b>
Diesel Fuel Oil	45.2	45.1	44.9	45.7	48.1	50.6	53.3	56.1	59.1
Heavy Fuel Oil	55.7	55.1	54.4	56.9	59.6	62.5	65.6	68.8	72.1
Other (Gasoline and Light Fuel Oil)	1.1	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4
<b>Factors Affecting Road Transportation Energy Demand</b>									
<b>Passenger Vehicles</b>									
<b>Total Energy Consumption (PJ) [1]</b>	<b>1196.7</b>	<b>1214.4</b>	<b>1243.7</b>	<b>1299.3</b>	<b>1389.6</b>	<b>1414.9</b>	<b>1391.1</b>	<b>1344.8</b>	<b>1301.4</b>
<b>Sales ('000)</b>	<b>1118.6</b>	<b>1161.4</b>	<b>1381.1</b>	<b>1429.2</b>	<b>1558.5</b>	<b>1687.7</b>	<b>1756.0</b>	<b>1770.7</b>	<b>1737.8</b>
Subtotal by Vehicle Type									
Cars	670.2	660.8	738.6	772.1	865.4	936.2	963.2	956.2	926.2
Light Trucks [2]	448.4	500.6	642.5	657.1	693.1	751.6	792.8	814.5	811.5
Share by Engine Technology (percent)									
Internal Combustion	100.0	100.0	100.0	100.0	96.5	84.4	68.8	57.7	50.0
Hybrid-Electric	0.0	0.0	0.0	0.0	3.5	13.7	25.0	29.7	30.0
Fuel Cell	0.0	0.0	0.0	0.0	0.0	1.8	6.2	12.6	20.0
<b>Stock ('000)</b>	<b>16507.3</b>	<b>16693.5</b>	<b>16823.1</b>	<b>17334.1</b>	<b>18475.2</b>	<b>19699.6</b>	<b>21114.2</b>	<b>22746.1</b>	<b>24722.1</b>
Subtotal by Vehicle Type									
Cars	12624.6	12686.3	12714.1	12823.9	13260.4	13887.3	14624.2	15565.4	16627.3
Light Trucks	3882.7	4007.2	4109.0	4510.2	5214.8	5812.4	6490.0	7180.7	8094.8
Share by Engine Technology (percent)									
Internal Combustion	100.0	100.0	100.0	100.0	99.3	94.6	84.2	71.6	60.5
Hybrid-Electric	0.0	0.0	0.0	0.0	0.7	5.0	13.4	22.2	27.5
Fuel Cell	0.0	0.0	0.0	0.0	0.0	0.4	2.3	6.3	12.0
<b>Fuel Economy - New (L/100km) [3]</b>	<b>11.4</b>	<b>11.4</b>	<b>11.6</b>	<b>11.5</b>	<b>10.8</b>	<b>9.8</b>	<b>8.8</b>	<b>8.0</b>	<b>7.2</b>
Cars - gasoline internal combustion [4]	9.9	9.9	9.9	9.8	9.2	8.7	8.2	7.7	7.3
Light Trucks - gasoline internal combustion [4]	13.7	13.5	13.6	13.6	12.9	12.3	11.6	11.0	10.4
<b>Fuel Economy - Stock (L/100km) [3]</b>	<b>11.0</b>	<b>10.9</b>	<b>10.9</b>	<b>11.0</b>	<b>10.7</b>	<b>10.1</b>	<b>9.3</b>	<b>8.4</b>	<b>7.6</b>
<b>Average km Travelled per Vehicle</b>	<b>19119</b>	<b>19220</b>	<b>19526</b>	<b>19791</b>	<b>20246</b>	<b>20469</b>	<b>20458</b>	<b>20341</b>	<b>20128</b>
<b>Freight Trucks</b>									
<b>Total Energy Consumption (PJ) [1]</b>	<b>421.1</b>	<b>427.4</b>	<b>461.3</b>	<b>467.5</b>	<b>500.4</b>	<b>516.7</b>	<b>542.9</b>	<b>562.6</b>	<b>592.9</b>
<b>Sales ('000)</b>	<b>48.0</b>	<b>43.4</b>	<b>45.6</b>	<b>47.5</b>	<b>47.7</b>	<b>49.4</b>	<b>50.9</b>	<b>52.3</b>	<b>53.8</b>
Subtotal by Truck Type									
Medium-Heavy Trucks [5]	21.6	20.6	21.4	21.6	21.0	21.1	21.1	21.2	21.5
Extra-Heavy Trucks [6]	26.4	22.8	24.3	25.9	26.7	28.3	29.8	31.2	32.3
<b>Stock ('000)</b>	<b>379.9</b>	<b>386.9</b>	<b>383.2</b>	<b>385.7</b>	<b>414.0</b>	<b>437.0</b>	<b>473.0</b>	<b>511.5</b>	<b>575.1</b>
Subtotal by Truck Type									
Medium-Heavy Trucks	182.1	182.6	178.6	174.2	180.8	184.8	194.3	204.4	224.8
Extra-Heavy Trucks	197.8	204.4	204.6	211.5	233.2	252.2	278.7	307.0	350.3
<b>Fuel Economy - New (L/100km) [7]</b>	<b>32.2</b>	<b>31.5</b>	<b>31.5</b>	<b>31.0</b>	<b>29.9</b>	<b>28.8</b>	<b>27.8</b>	<b>26.7</b>	<b>25.7</b>
Medium-Heavy Trucks - diesel internal combustion [8]	21.6	21.4	21.3	20.8	20.1	19.4	18.6	18.0	17.3
Extra-Heavy Trucks - diesel internal combustion	40.6	40.4	40.2	39.2	37.4	35.6	34.0	32.4	30.9
<b>Fuel Economy - Stock (L/100km) [7]</b>	<b>35.3</b>	<b>35.1</b>	<b>35.0</b>	<b>34.4</b>	<b>33.5</b>	<b>32.4</b>	<b>31.3</b>	<b>30.1</b>	<b>28.9</b>
Medium-Heavy Trucks	23.2	22.9	22.6	22.0	21.3	20.7	20.0	19.3	18.7
Extra-Heavy Trucks	42.6	42.2	41.9	41.0	39.5	38.0	36.4	34.7	33.1
<b>Average km travelled per truck</b>	<b>81160</b>	<b>81399</b>	<b>88922</b>	<b>90977</b>	<b>93322</b>	<b>94242</b>	<b>94791</b>	<b>94492</b>	<b>92342</b>

[1] Motor gasoline used for agricultural vehicles is included in road transportation, but has been excluded from the breakdown into passenger and freight vehicles

[2] Light trucks include pickup trucks, full-sized vans, minivans and sport utility vehicles

[3] Fuel economy for diesel light trucks has been converted to a gasoline equivalent to calculate the weighted average fuel economy for passenger vehicles

[4] Hybrid-electric (introduced 2002) and fuel cell (introduced 2006) vehicles are considered to be 25 and 50 percent more efficient than comparable gasoline internal combustion engine vehicles. Diesel internal combustion light trucks are considered to be 17 percent more efficient in 1997 and 7 percent by 2025.

[5] Medium-heavy trucks weigh between 4545 kg and 15000 kg

[6] Extra-heavy trucks weigh more than 15000 kg

[7] Fuel economy for gasoline medium-heavy trucks has been converted to a diesel equivalent to calculate the weighted average fuel economy for freight trucks

[8] Gasoline medium-heavy trucks are considered to be 18 percent less efficient than comparable diesel trucks in 1997 and 24 percent by 2025

Table A4.1a: Capacity, Generation, Trade and Primary Energy, Canada, Case 1

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	64668	64837	64535	64706	66873	71805	75465	80727	85300
<b>Nuclear</b>	14672	14157	14157	11335	13903	14581	13530	13381	12104
<b>Steam</b>									
Coal [1]	16331	16315	16218	16162	15702	14334	16025	17866	17814
Natural Gas	2478	2598	2613	4017	3523	2533	2009	1864	1914
Heavy Fuel Oil	3890	3890	3890	3454	3390	3285	2949	1762	1742
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	903	1103	1303	3351	6441	11717	15304	16479	19466
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	240	271	302	602	932	962
<b>Combustion Turbines</b>									
Natural Gas	1077	1355	1345	1627	1885	3052	4313	7481	10040
Heavy Fuel Oil	20	20	20	20	20	20	20	20	20
Light Fuel Oil	956	956	956	1006	1006	973	952	885	869
Diesel	970	970	970	995	995	783	776	216	207
<b>Internal Combustion</b>									
Natural Gas	50	50	61	61	61	61	61	61	61
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	8	8	8	8	8	8	8	8	8
Diesel	516	507	516	513	510	513	516	522	531
<b>Renewable Fuels</b>									
Biomass	1286	1286	1286	1413	1417	1417	1417	1417	1417
Wind	18	18	19	119	319	569	569	569	569
<b>Total Generating Capacity</b>	<b>107828</b>	<b>107992</b>	<b>107898</b>	<b>109028</b>	<b>116325</b>	<b>125954</b>	<b>134516</b>	<b>144190</b>	<b>153024</b>
<b>Firm Purchases</b>									
United States	481	655	1245	1365	1985	1995	1470	1470	1470
<b>Capacity Available</b>	<b>108309</b>	<b>108647</b>	<b>109143</b>	<b>110393</b>	<b>118310</b>	<b>127949</b>	<b>135986</b>	<b>145660</b>	<b>154494</b>
<b>Domestic Peak Demand</b>	<b>87775</b>	<b>87942</b>	<b>90727</b>	<b>95849</b>	<b>103733</b>	<b>109829</b>	<b>118263</b>	<b>126086</b>	<b>134634</b>
<b>Firm Sales</b>									
United States	1187	1577	1537	1537	969	1956	1636	1636	1512
<b>System Demand Peak</b>	<b>88962</b>	<b>89519</b>	<b>92264</b>	<b>97386</b>	<b>104702</b>	<b>111785</b>	<b>119899</b>	<b>127722</b>	<b>136146</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	330829	349203	341951	351820	364525	385603	399603	418550	442060
<b>Nuclear</b>	92306	87516	77963	67340	94446	88407	100077	100807	91186
<b>Steam</b>									
Coal [1]	82621	82903	91283	99793	87057	94188	106007	120622	126649
Natural Gas	12117	8007	12334	14597	13084	8930	7670	6314	8193
Heavy Fuel Oil	7206	6202	7984	7371	5122	5169	3666	1473	2419
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	4443	5585	6442	24958	42618	61179	73032	90926	116274
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	138	412	723	3110	5032	5347

<b>Combustion Turbines</b>									
Natural Gas	6229	6824	5105	4961	5951	11102	19123	27153	34532
Heavy Fuel Oil	92	155	124	124	124	124	124	124	124
Light Fuel Oil	29	48	51	97	61	82	104	71	131
Diesel	128	126	157	145	338	307	323	211	215
<b>Internal Combustion</b>									
Natural Gas	116	147	82	82	82	82	82	82	82
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	966	1065	893	883	1016	1107	1198	1278	1353
<b>Renewable Fuels</b>									
Biomass	5512	5285	6719	8091	8277	8307	8333	8333	8333
Wind	45	45	45	281	635	1225	1343	1343	1343
<b>Total Energy Generation</b>	<b>542640</b>	<b>553112</b>	<b>551134</b>	<b>580682</b>	<b>623749</b>	<b>666536</b>	<b>723795</b>	<b>782319</b>	<b>838241</b>
<b>Imports</b>									
United States	7426	6328	9141	2883	5695	6465	7465	7865	8165
<b>Total Supply</b>	<b>550066</b>	<b>559440</b>	<b>560275</b>	<b>583565</b>	<b>629444</b>	<b>673001</b>	<b>731260</b>	<b>790184</b>	<b>846406</b>
<b>Domestic Consumption</b>	<b>506747</b>	<b>515484</b>	<b>519075</b>	<b>550888</b>	<b>604902</b>	<b>649485</b>	<b>709504</b>	<b>767312</b>	<b>820552</b>
<b>Exports</b>									
United States	43319	43956	41227	32677	24542	23516	21756	22872	25854
<b>Total Demand</b>	<b>550066</b>	<b>559440</b>	<b>560275</b>	<b>583565</b>	<b>629444</b>	<b>673001</b>	<b>731260</b>	<b>790184</b>	<b>846406</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	1197.46	1268.96	1088.56	1124.01	1169.75	1245.63	1296.03	1364.24	1448.88
<b>Nuclear (Uranium)</b>	1116.90	1058.87	974.45	842.75	1180.05	1102.45	1233.40	1245.09	1131.71
<b>Coal [1]</b>	857.33	864.75	1009.35	1100.13	957.67	1028.63	1098.64	1118.02	1118.91
<b>Natural Gas</b>	185.12	146.98	165.36	300.19	396.06	499.63	604.29	741.12	938.94
<b>Oil</b>									
Heavy Fuel Oil	168.95	115.49	83.36	77.75	54.07	55.35	37.97	14.70	26.09
Light Fuel Oil	0.09	0.13	0.88	1.60	1.01	1.33	1.66	0.91	1.54
Diesel	7.55	7.21	10.17	11.04	17.05	20.43	36.99	46.39	49.49
<b>Renewable Fuels</b>									
Biomass	53.79	51.22	65.73	79.48	81.01	81.50	81.73	81.73	81.73
Wind	0.16	0.16	0.16	1.01	2.29	4.41	4.83	4.83	4.83
<b>Total</b>	<b>3587.36</b>	<b>3513.78</b>	<b>3398.02</b>	<b>3537.97</b>	<b>3858.96</b>	<b>4039.35</b>	<b>4395.56</b>	<b>4617.03</b>	<b>4802.12</b>

[1] Values include those for orimulsion

Table A4.2a: Capacity, Generation, Trade and Primary Energy, Newfoundland and Labrador, Case 1

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	6599	6604	6604	6678	6709	9991	9991	9991	9991
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	489	489	489	489	489	489	163	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	240	240	240	540	840	840
<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	118	118	118	168	168	155	155	150	200
Diesel	74	74	74	99	124	110	103	77	77
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	74	74	74	71	68	64	63	61	60
<b>Renewable Fuels</b>									
Biomass	5	5	5	5	5	5	5	5	5
Wind	0	0	0	0	0	0	0	0	0
<b>Total Generating Capacity</b>	<b>7359</b>	<b>7364</b>	<b>7364</b>	<b>7750</b>	<b>7803</b>	<b>11054</b>	<b>11020</b>	<b>11124</b>	<b>11173</b>
<b>Firm Purchases</b>									
Interprovincial	0	0	0	0	0	0	0	0	0
United States	0	0	0	0	0	0	0	0	0
<b>Capacity Available</b>	<b>7359</b>	<b>7364</b>	<b>7364</b>	<b>7750</b>	<b>7803</b>	<b>11054</b>	<b>11020</b>	<b>11124</b>	<b>11173</b>
<b>Domestic Peak Demand</b>	<b>2104</b>	<b>1956</b>	<b>2113</b>	<b>2195</b>	<b>2317</b>	<b>2449</b>	<b>2569</b>	<b>2660</b>	<b>2728</b>
<b>Firm Sales</b>									
Interprovincial	4222	4222	4903	4903	4903	7967	7967	7967	7967
United States	0	0	0	0	0	0	0	0	0
<b>System Demand Peak</b>	<b>6326</b>	<b>6178</b>	<b>7016</b>	<b>7098</b>	<b>7220</b>	<b>10416</b>	<b>10536</b>	<b>10627</b>	<b>10695</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	36277	35336	40207	38590	38985	56785	56916	56916	56916
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1568	1418	1396	2443	2520	2994	1214	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	138	388	647	2999	4860	5132

<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	6	10	10	42	22	40	69	37	88
Diesel	0	1	5	12	207	210	212	201	201
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	51	51	61	63	61	61	62	60	60
<b>Renewable Fuels</b>									
Biomass	21	21	21	21	21	21	21	21	21
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41309</b>	<b>42204</b>	<b>60758</b>	<b>61493</b>	<b>62095</b>	<b>62418</b>
<b>Imports</b>									
Québec	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41309</b>	<b>42204</b>	<b>60758</b>	<b>61493</b>	<b>62095</b>	<b>62418</b>
<b>Domestic Consumption</b>	<b>11202</b>	<b>11058</b>	<b>11399</b>	<b>11937</b>	<b>12787</b>	<b>13705</b>	<b>14585</b>	<b>15320</b>	<b>15745</b>
<b>Exports</b>									
Québec	26721	25779	30301	29372	29417	47053	46908	46775	46673
<b>Total Demand</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41309</b>	<b>42204</b>	<b>60758</b>	<b>61493</b>	<b>62095</b>	<b>62418</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	130.48	126.91	139.77	133.95	135.37	199.45	199.92	199.92	199.92
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	16.32	15.23	15.61	27.31	28.17	33.47	13.57	0.00	0.00
Light Fuel Oil	0.03	0.18	0.18	0.66	0.34	0.62	1.07	0.37	0.83
Diesel	0.61	0.35	0.51	1.84	5.64	7.65	22.31	31.86	33.68
<b>Renewable Fuels</b>									
Biomass	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>147.75</b>	<b>142.99</b>	<b>156.37</b>	<b>164.07</b>	<b>169.84</b>	<b>241.50</b>	<b>237.19</b>	<b>232.47</b>	<b>234.75</b>

Table A4.3a: Capacity, Generation, Trade and Primary Energy, Prince Edward Island, Case 1

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	0	0	0	0	0	0	0	0	0
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	66	66	66	63	56	49	39	20	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	31	62	62	92	122
<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	40	40	40	40	40	40	40	34	30
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Generating Capacity</b>	<b>107</b>	<b>107</b>	<b>107</b>	<b>104</b>	<b>128</b>	<b>152</b>	<b>141</b>	<b>146</b>	<b>152</b>
<b>Firm Purchases</b>									
Interprovincial	70	70	69	69	49	49	49	49	49
United States	0	0	0	0	0	0	0	0	0
<b>Capacity Available</b>	<b>177</b>	<b>177</b>	<b>176</b>	<b>173</b>	<b>177</b>	<b>201</b>	<b>190</b>	<b>195</b>	<b>201</b>
<b>Domestic Peak Demand</b>	<b>160</b>	<b>168</b>	<b>166</b>	<b>169</b>	<b>176</b>	<b>182</b>	<b>188</b>	<b>194</b>	<b>201</b>
<b>Firm Sales</b>									
Interprovincial	0	0	0	0	0	0	0	0	0
United States	0	0	0	0	0	0	0	0	0
<b>System Demand Peak</b>	<b>160</b>	<b>168</b>	<b>166</b>	<b>169</b>	<b>176</b>	<b>182</b>	<b>188</b>	<b>194</b>	<b>201</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	0	0	0	0	0	0	0	0	0
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	13	6	19	19	43	33	38	15	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	24	76	111	172	215

<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	1	1	1	1	8	5	10	7	8
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>15</b>	<b>8</b>	<b>21</b>	<b>22</b>	<b>77</b>	<b>116</b>	<b>159</b>	<b>194</b>	<b>223</b>
<b>Imports</b>									
New Brunswick	815	886	873	889	883	893	898	913	923
<b>Total Supply</b>	<b>830</b>	<b>894</b>	<b>894</b>	<b>911</b>	<b>960</b>	<b>1009</b>	<b>1057</b>	<b>1107</b>	<b>1146</b>
<b>Domestic Consumption</b>	<b>830</b>	<b>894</b>	<b>895</b>	<b>911</b>	<b>960</b>	<b>1009</b>	<b>1057</b>	<b>1107</b>	<b>1146</b>
<b>Exports</b>									
New Brunswick	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>830</b>	<b>894</b>	<b>894</b>	<b>911</b>	<b>960</b>	<b>1009</b>	<b>1057</b>	<b>1107</b>	<b>1146</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	0.33	0.25	0.32	0.32	0.72	0.55	0.63	0.25	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.15	0.08	0.02	0.02	0.34	0.75	1.13	1.41	1.51
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.48</b>	<b>0.34</b>	<b>0.34</b>	<b>0.34</b>	<b>1.06</b>	<b>1.30</b>	<b>1.76</b>	<b>1.66</b>	<b>1.51</b>





<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	23	110	218	336	410
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	5	2	29	34	30	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	161	175	330	346	346	346	346	346	346
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>9712</b>	<b>10151</b>	<b>10333</b>	<b>10662</b>	<b>11142</b>	<b>11483</b>	<b>12094</b>	<b>12737</b>	<b>13157</b>
<b>Imports</b>									
New Brunswick	528	109	185	0	0	0	0	0	0
<b>Total Supply</b>	<b>10240</b>	<b>10260</b>	<b>10518</b>	<b>10662</b>	<b>11142</b>	<b>11483</b>	<b>12094</b>	<b>12737</b>	<b>13157</b>
<b>Domestic Consumption</b>	<b>10193</b>	<b>10145</b>	<b>10173</b>	<b>10462</b>	<b>10942</b>	<b>11483</b>	<b>12094</b>	<b>12737</b>	<b>13157</b>
<b>Exports</b>									
New Brunswick	47	115	345	200	200	0	0	0	0
<b>Total Demand</b>	<b>10240</b>	<b>10260</b>	<b>10518</b>	<b>10662</b>	<b>11142</b>	<b>11483</b>	<b>12094</b>	<b>12737</b>	<b>13157</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	3.25	4.02	3.37	3.58	3.58	3.58	3.58	3.58	3.58
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	73.49	84.13	85.72	87.16	78.34	76.09	64.98	54.70	34.12
<b>Natural Gas</b>	0.00	0.00	0.00	9.45	22.56	19.14	26.66	34.31	47.70
<b>Oil</b>									
Heavy Fuel Oil	13.38	8.50	8.42	2.03	2.03	2.03	2.03	2.03	2.03
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.07	0.03	0.39	0.46	0.40	0.00	0.00	0.00	0.00
<b>Renewable Fuels</b>									
Biomass	0.89	0.96	1.82	1.90	1.90	1.90	1.90	1.90	1.90
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>91.07</b>	<b>97.64</b>	<b>99.72</b>	<b>104.58</b>	<b>108.81</b>	<b>102.74</b>	<b>99.15</b>	<b>96.52</b>	<b>89.34</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	15	131	345	476	577
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	99	92	122	98	93	92	95	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	2	3	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	690	640	650	650	650	650	650	650	650
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>13357</b>	<b>15964</b>	<b>16722</b>	<b>19580</b>	<b>20919</b>	<b>21926</b>	<b>22918</b>	<b>22663</b>	<b>23098</b>
<b>Imports</b>									
Prince Edward Island	0	0	0	0	0	0	0	0	0
Nova Scotia	47	115	345	200	200	0	0	0	0
Québec	6644	3370	3478	728	1037	938	1086	1014	1122
United States	61	96	8	0	0	0	0	0	0
<b>Total Supply</b>	<b>20109</b>	<b>19545</b>	<b>20553</b>	<b>20508</b>	<b>22156</b>	<b>22864</b>	<b>24004</b>	<b>23677</b>	<b>24220</b>
<b>Domestic Consumption</b>									
<b>Exports</b>									
Prince Edward Island	815	886	873	889	883	893	898	913	923
Nova Scotia	528	109	185	0	0	0	0	0	0
Québec	188	362	393	450	850	850	800	800	800
United States	3585	3096	5638	3746	4607	4607	4607	3723	3723
<b>Total Demand</b>	<b>20109</b>	<b>19545</b>	<b>20553</b>	<b>20508</b>	<b>22156</b>	<b>22864</b>	<b>24004</b>	<b>23677</b>	<b>24220</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	9.74	12.72	8.28	9.55	9.55	9.55	9.55	9.55	9.55
<b>Nuclear (Uranium)</b>	19.11	55.55	37.88	52.35	52.35	52.94	52.94	52.94	0.00
<b>Coal [1]</b>	37.25	39.11	61.06	61.06	47.18	43.14	45.70	36.69	37.08
<b>Natural Gas</b>	0.00	0.00	0.00	15.17	44.63	58.46	60.22	68.92	96.97
<b>Oil</b>									
Heavy Fuel Oil	123.54	87.26	41.65	32.49	13.54	7.33	11.66	0.08	0.08
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.08	0.46	2.05	1.66	1.58	1.56	1.61	0.00	0.00
<b>Renewable Fuels</b>									
Biomass	7.64	6.75	7.20	6.70	6.56	6.63	6.63	6.63	6.63
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>197.36</b>	<b>201.86</b>	<b>158.12</b>	<b>178.98</b>	<b>175.40</b>	<b>179.61</b>	<b>188.32</b>	<b>174.81</b>	<b>150.32</b>

[1] Values include those for orimulsion



<b>Combustion Turbines</b>									
Natural Gas	190	220	200	64	183	793	1803	2764	3505
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	10	15	15	15	15	15	15	15	15
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	204	210	209	209	209	209	209	209	209
<b>Renewable Fuels</b>									
Biomass	579	579	583	918	1104	1134	1134	1134	1134
Wind	0	0	0	236	590	1180	1298	1298	1298
<b>Total Energy Generation</b>	<b>173139</b>	<b>171044</b>	<b>166073</b>	<b>178628</b>	<b>190889</b>	<b>188638</b>	<b>205673</b>	<b>220877</b>	<b>238282</b>
<b>Imports</b>									
Labrador	26721	25779	30301	29372	29417	47053	46908	46775	46673
New Brunswick	188	362	393	450	850	850	800	800	800
Ontario	837	944	1583	0	3000	3000	3000	3000	3000
United States	838	577	674	200	200	200	0	0	0
<b>Total Supply</b>	<b>201723</b>	<b>198706</b>	<b>199024</b>	<b>208650</b>	<b>224356</b>	<b>239741</b>	<b>256381</b>	<b>271452</b>	<b>288755</b>
<b>Domestic Consumption</b>									
<b>Exports</b>	<b>176710</b>	<b>179085</b>	<b>182419</b>	<b>193282</b>	<b>209979</b>	<b>221753</b>	<b>238204</b>	<b>253687</b>	<b>266782</b>
Labrador	0	0	0	0	0	0	0	0	0
New Brunswick	6644	3370	3478	728	1037	938	1086	1014	1122
Ontario	1515	1000	1579	3140	5040	4640	5241	4901	6001
United States	16854	15251	11548	11500	8300	12410	11850	11850	14850
<b>Total Demand</b>	<b>201723</b>	<b>198706</b>	<b>199024</b>	<b>208650</b>	<b>224356</b>	<b>239741</b>	<b>256381</b>	<b>271452</b>	<b>288755</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	604.60	594.72	497.99	541.25	583.02	587.59	627.55	678.83	756.12
<b>Nuclear (Uranium)</b>	54.58	63.09	52.87	59.73	59.73	0.00	60.43	60.43	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.15	0.10	3.95	2.35	3.01	6.36	11.05	15.85	19.56
<b>Oil</b>									
Heavy Fuel Oil	0.08	0.17	7.76	2.34	2.34	2.34	2.34	2.34	2.34
Light Fuel Oil	0.02	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Diesel	2.04	2.10	2.09	2.09	2.09	2.09	2.09	2.09	2.09
<b>Renewable Fuels</b>									
Biomass	6.46	6.46	6.46	9.47	11.14	11.56	11.56	11.56	11.56
Wind	0.00	0.00	0.00	0.85	2.12	4.25	4.67	4.67	4.67
<b>Total</b>	<b>667.92</b>	<b>666.98</b>	<b>571.36</b>	<b>618.34</b>	<b>663.71</b>	<b>614.45</b>	<b>719.95</b>	<b>776.03</b>	<b>796.60</b>

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<b>Combustion Turbines</b>									
Natural Gas	2297	3025	2165	2165	2748	5819	10353	15059	19899
Heavy Fuel Oil	92	155	124	124	124	124	124	124	124
Light Fuel Oil	13	23	26	40	24	27	20	19	28
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	10	27	19	19	19	19	19	19	19
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	15	53	34	34	34	34	34	34	34
<b>Renewable Fuels</b>									
Biomass	578	487	1088	1659	1659	1659	1659	1659	1659
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>147872</b>	<b>144134</b>	<b>145550</b>	<b>152572</b>	<b>169585</b>	<b>188946</b>	<b>214107</b>	<b>239719</b>	<b>263162</b>
<b>Imports</b>									
Québec	1515	1000	1579	3140	5040	4640	5241	4901	6001
Manitoba	601	687	711	2000	2000	2000	2000	2000	2000
United States	1659	2760	4727	200	800	800	800	1200	1200
<b>Total Supply</b>	<b>151647</b>	<b>148581</b>	<b>152567</b>	<b>157912</b>	<b>177425</b>	<b>196386</b>	<b>222148</b>	<b>247820</b>	<b>272363</b>
<b>Domestic Consumption</b>	<b>140579</b>	<b>140158</b>	<b>145029</b>	<b>154512</b>	<b>173425</b>	<b>192386</b>	<b>218148</b>	<b>243820</b>	<b>268363</b>
<b>Exports</b>									
Québec	837	944	1583	0	3000	3000	3000	3000	3000
Manitoba	22	76	54	0	0	0	0	0	0
United States	10209	7403	5901	3400	1000	1000	1000	1000	1000
<b>Total Demand</b>	<b>151647</b>	<b>148581</b>	<b>152567</b>	<b>157912</b>	<b>177425</b>	<b>196386</b>	<b>222148</b>	<b>247820</b>	<b>272363</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	139.71	149.72	132.17	135.37	135.37	142.79	148.86	148.86	148.86
<b>Nuclear (Uranium)</b>	1043.21	939.88	883.71	730.67	1067.97	1049.51	1120.03	1131.71	1131.71
<b>Coal</b>	186.76	188.15	252.17	336.91	238.52	330.17	392.98	442.38	432.63
<b>Natural Gas</b>	76.70	61.10	49.64	124.57	116.76	174.80	208.53	253.71	394.48
<b>Oil</b>									
Heavy Fuel Oil	15.06	3.82	9.61	15.29	9.30	11.65	9.77	12.03	23.67
Light Fuel Oil	0.17	0.25	0.45	0.69	0.41	0.46	0.34	0.29	0.46
Diesel	0.43	0.39	0.34	0.34	0.34	0.34	0.34	0.34	0.34
<b>Renewable Fuels</b>									
Biomass	7.18	6.05	13.52	20.62	20.62	20.62	20.62	20.62	20.62
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>1469.23</b>	<b>1349.36</b>	<b>1341.61</b>	<b>1364.46</b>	<b>1589.30</b>	<b>1730.33</b>	<b>1901.47</b>	<b>2009.95</b>	<b>2152.76</b>





<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	16	100	198	296	399
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	19	24	21	21	21	21	21	21	21
<b>Renewable Fuels</b>									
Biomass	68	77	63	73	73	73	73	73	73
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>29292</b>	<b>31249</b>	<b>33631</b>	<b>29707</b>	<b>29791</b>	<b>30088</b>	<b>30548</b>	<b>34099</b>	<b>35900</b>
<b>Imports</b>									
Ontario	22	76	54	0	0	0	0	0	0
Saskatchewan	1107	1100	0	350	350	350	350	350	350
United States	56	86	11	2	1	1	1	1	1
<b>Total Supply</b>	<b>30477</b>	<b>32511</b>	<b>33696</b>	<b>30059</b>	<b>30142</b>	<b>30439</b>	<b>30899</b>	<b>34450</b>	<b>36251</b>
<b>Domestic Consumption</b>	<b>19616</b>	<b>20478</b>	<b>20734</b>	<b>21562</b>	<b>23706</b>	<b>25303</b>	<b>26863</b>	<b>28414</b>	<b>30215</b>
<b>Exports</b>									
Ontario	601	687	711	2000	2000	2000	2000	2000	2000
Saskatchewan	1226	1477	722	850	850	850	850	850	850
United States	9034	9869	11529	5647	3586	2286	1186	3186	3186
<b>Total Demand</b>	<b>30477</b>	<b>32511</b>	<b>33696</b>	<b>30059</b>	<b>30142</b>	<b>30439</b>	<b>30899</b>	<b>34450</b>	<b>36251</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	104.45	111.12	120.14	105.48	105.73	105.52	105.75	118.07	123.10
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	1.84	3.36	2.48	4.50	4.50	4.02	4.02	0.00	0.00
<b>Natural Gas</b>	0.05	0.05	0.05	0.05	0.05	2.35	4.59	6.73	8.90
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.43	0.49	0.27	0.27	0.27	0.27	0.27	0.27	0.27
<b>Renewable Fuels</b>									
Biomass	0.61	0.69	0.57	0.66	0.66	0.66	0.66	0.66	0.66
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>107.38</b>	<b>115.71</b>	<b>123.50</b>	<b>110.96</b>	<b>111.20</b>	<b>112.82</b>	<b>115.28</b>	<b>125.72</b>	<b>132.92</b>



<b>Combustion Turbines</b>									
Natural Gas	148	146	99	56	107	325	622	887	1166
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	32	41	34	37	37	37	37	37	37
<b>Renewable Fuels</b>									
Biomass	188	191	176	391	391	391	391	391	391
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>16544</b>	<b>16703</b>	<b>16816</b>	<b>18764</b>	<b>20362</b>	<b>22024</b>	<b>23686</b>	<b>25342</b>	<b>27030</b>
<b>Imports</b>									
Manitoba	1226	1477	722	850	850	850	850	850	850
Alberta	58	222	116	0	0	0	0	0	0
United States	73	214	302	80	80	80	80	80	80
<b>Total Supply</b>	<b>17901</b>	<b>18616</b>	<b>17956</b>	<b>19694</b>	<b>21292</b>	<b>22954</b>	<b>24616</b>	<b>26272</b>	<b>27960</b>
<b>Domestic Consumption</b>	<b>16400</b>	<b>17133</b>	<b>17666</b>	<b>19044</b>	<b>20822</b>	<b>22484</b>	<b>24146</b>	<b>25802</b>	<b>27490</b>
<b>Exports</b>									
Manitoba	1107	1100	0	350	350	350	350	350	350
Alberta	239	86	179	180	0	0	0	0	0
United States	155	297	111	120	120	120	120	120	120
<b>Total Demand</b>	<b>17901</b>	<b>18616</b>	<b>17956</b>	<b>19694</b>	<b>21292</b>	<b>22954</b>	<b>24616</b>	<b>26272</b>	<b>27960</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	14.83	15.75	14.35	14.36	14.36	14.36	14.36	14.36	14.36
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	72.72	72.79	142.81	140.78	148.00	142.80	152.83	140.95	145.43
<b>Natural Gas</b>	8.42	9.71	9.13	18.80	27.55	36.99	36.14	54.43	51.18
<b>Oil</b>									
Heavy Fuel Oil	0.28	0.29	0.34	0.36	0.36	0.36	0.36	0.36	0.36
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.32	0.41	0.34	0.37	0.37	0.37	0.37	0.37	0.37
<b>Renewable Fuels</b>									
Biomass	1.69	1.72	1.58	3.52	3.52	3.52	3.52	3.52	3.52
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>98.27</b>	<b>100.68</b>	<b>168.54</b>	<b>178.19</b>	<b>194.17</b>	<b>198.41</b>	<b>207.59</b>	<b>213.99</b>	<b>215.22</b>



<b>Combustion Turbines</b>									
Natural Gas	2614	2498	1684	1719	1822	2323	3583	4892	5750
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	92	106	33	33	33	33	33	33	33
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	13	13	16	16	16	16	16	16	16
<b>Renewable Fuels</b>									
Biomass	1223	1141	997	1222	1222	1222	1248	1248	1248
Wind	45	45	45	45	45	45	45	45	45
<b>Total Energy Generation</b>	<b>53585</b>	<b>52961</b>	<b>54052</b>	<b>59218</b>	<b>64639</b>	<b>67718</b>	<b>74525</b>	<b>81470</b>	<b>87997</b>
<b>Imports</b>									
Saskatchewan	239	86	179	180	0	0	0	0	0
British Columbia	489	2192	1939	1000	1000	1000	1000	1000	1000
<b>Total Supply</b>	<b>54313</b>	<b>55239</b>	<b>56170</b>	<b>60398</b>	<b>65639</b>	<b>68718</b>	<b>75525</b>	<b>82470</b>	<b>88997</b>
<b>Domestic Consumption</b>	<b>52609</b>	<b>54618</b>	<b>55240</b>	<b>59398</b>	<b>64639</b>	<b>67718</b>	<b>74525</b>	<b>81470</b>	<b>87997</b>
<b>Exports</b>									
Saskatchewan	58	222	116	0	0	0	0	0	0
British Columbia	1646	399	814	1000	1000	1000	1000	1000	1000
<b>Total Demand</b>	<b>54313</b>	<b>55239</b>	<b>56170</b>	<b>60398</b>	<b>65639</b>	<b>68718</b>	<b>75525</b>	<b>82470</b>	<b>88997</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	7.88	8.14	8.07	8.08	8.08	8.08	8.08	8.08	8.08
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	485.27	477.20	465.12	469.72	429.81	421.52	426.63	431.82	458.16
<b>Natural Gas</b>	45.55	54.40	79.96	97.34	138.70	156.23	190.97	225.18	219.81
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.15	0.15	0.19	0.19	0.19	0.19	0.19	0.19	0.19
<b>Renewable Fuels</b>									
Biomass	11.01	10.27	8.97	11.00	11.00	11.00	11.23	11.23	11.23
Wind	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
<b>Total</b>	<b>550.02</b>	<b>550.32</b>	<b>562.48</b>	<b>586.49</b>	<b>587.95</b>	<b>597.17</b>	<b>637.26</b>	<b>676.65</b>	<b>697.64</b>



<b>Combustion Turbines</b>									
Natural Gas	880	831	856	856	936	1400	1900	2342	2725
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	6	3	6
<b>Internal Combustion</b>									
Natural Gas	14	14	30	30	30	30	30	30	30
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	66	76	52	52	52	52	52	52	52
<b>Renewable Fuels</b>									
Biomass	2000	2000	2811	2811	2811	2811	2811	2811	2811
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>60006</b>	<b>72724</b>	<b>65118</b>	<b>69063</b>	<b>72849</b>	<b>73451</b>	<b>77113</b>	<b>81562</b>	<b>85338</b>
<b>Imports</b>									
Alberta	1646	399	814	1000	1000	1000	1000	1000	1000
United States	4739	2595	3589	2401	4614	5384	6584	6584	6884
<b>Total Supply</b>	<b>66391</b>	<b>75718</b>	<b>69521</b>	<b>72464</b>	<b>78463</b>	<b>79835</b>	<b>84697</b>	<b>89146</b>	<b>93222</b>
<b>Domestic Consumption</b>	<b>62420</b>	<b>65486</b>	<b>60939</b>	<b>63200</b>	<b>70534</b>	<b>75742</b>	<b>80704</b>	<b>85153</b>	<b>89247</b>
<b>Exports</b>									
Alberta	489	2192	1939	1000	1000	1000	1000	1000	1000
United States	3482	8040	6643	8264	6929	3093	2993	2993	2975
<b>Total Demand</b>	<b>66391</b>	<b>75718</b>	<b>69521</b>	<b>72464</b>	<b>78463</b>	<b>79835</b>	<b>84697</b>	<b>89146</b>	<b>93222</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	180.65	243.61	162.56	170.33	172.63	172.63	176.30	180.91	183.22
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	11.31	10.89	11.48	11.48	11.48
<b>Natural Gas</b>	52.44	19.89	22.68	32.51	42.77	45.30	66.14	81.99	100.35
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.51	1.02	0.46	0.46	0.46	0.46	0.57	0.52	0.57
<b>Renewable Fuels</b>									
Biomass	18.00	18.00	25.30	25.30	25.30	25.30	25.30	25.30	25.30
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>251.61</b>	<b>282.51</b>	<b>211.00</b>	<b>228.60</b>	<b>252.47</b>	<b>254.58</b>	<b>279.80</b>	<b>300.20</b>	<b>320.92</b>





<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	72	139	114	86	131	158	188	215	240
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>386</b>	<b>431</b>	<b>463</b>	<b>493</b>	<b>520</b>	<b>545</b>
<b>Imports</b>	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>386</b>	<b>431</b>	<b>463</b>	<b>493</b>	<b>520</b>	<b>545</b>
<b>Domestic Consumption</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>386</b>	<b>431</b>	<b>463</b>	<b>493</b>	<b>520</b>	<b>545</b>
<b>Exports</b>	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>386</b>	<b>431</b>	<b>463</b>	<b>493</b>	<b>520</b>	<b>545</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	1.13	1.30	0.93	1.08	1.08	1.10	1.10	1.10	1.10
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.91	1.76	1.45	1.09	1.66	2.01	2.39	2.73	3.05
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>2.04</b>	<b>3.07</b>	<b>2.38</b>	<b>2.17</b>	<b>2.74</b>	<b>3.10</b>	<b>3.48</b>	<b>3.83</b>	<b>4.15</b>



<b>Combustion Turbines</b>									
Natural Gas	100	104	101	101	101	101	101	101	101
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	505	468	352	365	455	519	579	634	684
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>772</b>	<b>862</b>	<b>926</b>	<b>986</b>	<b>1041</b>	<b>1091</b>
<b>Imports</b>	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>772</b>	<b>862</b>	<b>926</b>	<b>986</b>	<b>1041</b>	<b>1091</b>
<b>Domestic Consumption</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>772</b>	<b>862</b>	<b>926</b>	<b>986</b>	<b>1041</b>	<b>1091</b>
<b>Exports</b>	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>772</b>	<b>862</b>	<b>926</b>	<b>986</b>	<b>1041</b>	<b>1091</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	0.73	0.95	0.92	0.97	0.97	0.97	0.97	0.97	0.97
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	1.63	1.49	1.01	1.01	1.01	1.01	1.01	1.01	1.01
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	5.95	3.91	2.75	2.96	4.42	5.46	6.43	7.33	8.14
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	8.32	6.36	4.68	4.94	6.40	7.44	8.42	9.31	10.12

Table A4.1b: Capacity, Generation, Trade and Primary Energy, Canada, Case 2

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	64668	64837	64535	64706	65693	69575	69575	72576	75232
<b>Nuclear</b>	14672	14157	14157	11335	13903	14581	13530	13381	12104
<b>Steam</b>									
Coal [1]	16331	16315	16218	16162	15702	14334	15383	14604	14182
Natural Gas	2478	2598	2613	4017	3827	3141	1864	1864	1864
Heavy Fuel Oil	3890	3890	3890	3454	3390	3292	2949	1762	1742
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	903	1103	1303	3351	5914	9059	12962	14388	16490
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	70	301	301	482	782	812
<b>Combustion Turbines</b>									
Natural Gas	1077	1355	1345	1627	1521	2338	3653	6001	7753
Heavy Fuel Oil	20	20	20	20	20	20	20	20	20
Light Fuel Oil	956	956	956	1006	1006	973	952	785	761
Diesel	970	970	970	995	995	783	776	206	197
<b>Internal Combustion</b>									
Natural Gas	50	50	61	61	61	61	61	61	61
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	8	8	8	8	8	8	8	8	8
Diesel	516	507	516	513	510	509	512	514	512
<b>Renewable Fuels</b>									
Biomass	1286	1286	1286	1413	1417	1417	1417	1417	1417
Wind	18	18	19	119	319	569	569	569	569
<b>Total Generating Capacity</b>	<b>107828</b>	<b>107992</b>	<b>107898</b>	<b>108858</b>	<b>114588</b>	<b>120962</b>	<b>124713</b>	<b>128938</b>	<b>133724</b>
<b>Firm Purchases</b>									
United States	481	655	1245	1365	1985	1995	1470	1470	1470
<b>Capacity Available</b>	<b>108309</b>	<b>108647</b>	<b>109143</b>	<b>110223</b>	<b>116573</b>	<b>122957</b>	<b>126183</b>	<b>130408</b>	<b>135194</b>
<b>Domestic Peak Demand</b>	<b>87775</b>	<b>87942</b>	<b>90727</b>	<b>94444</b>	<b>100406</b>	<b>104470</b>	<b>109804</b>	<b>114580</b>	<b>119478</b>
<b>Firm Sales</b>									
United States	1187	1577	1537	1537	969	1636	1636	1636	1512
<b>System Demand Peak</b>	<b>88962</b>	<b>89519</b>	<b>92264</b>	<b>95981</b>	<b>101375</b>	<b>106106</b>	<b>111440</b>	<b>116216</b>	<b>120990</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	330829	349203	341951	352283	358733	378563	378694	389652	403672
<b>Nuclear</b>	92306	87516	77963	67340	94446	88407	100077	100807	91186
<b>Steam</b>									
Coal [1]	82621	82903	91283	96947	85088	91707	96780	98885	100668
Natural Gas	12117	8007	12334	13426	12711	9432	6704	6335	7678
Heavy Fuel Oil	7206	6202	7984	6780	4483	4329	2902	1432	2260
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	4443	5585	6442	24958	39538	51397	63449	78952	96536
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	133	312	436	2104	3756	3922

<b>Combustion Turbines</b>									
Natural Gas	6229	6824	5105	4937	5711	9820	16006	22083	27049
Heavy Fuel Oil	92	155	124	124	124	124	124	124	124
Light Fuel Oil	29	48	51	88	44	55	91	48	61
Diesel	128	126	157	146	326	298	306	205	204
<b>Internal Combustion</b>									
Natural Gas	116	147	82	82	82	82	82	82	82
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	966	1065	893	873	975	1044	1109	1159	1198
<b>Renewable Fuels</b>									
Biomass	5512	5285	6719	8091	8277	8307	8259	8333	8333
Wind	45	45	45	281	635	1225	1343	1343	1343
<b>Total Energy Generation</b>	<b>542640</b>	<b>553112</b>	<b>551134</b>	<b>576490</b>	<b>611486</b>	<b>645227</b>	<b>678030</b>	<b>713196</b>	<b>744316</b>
<b>Imports</b>									
United States	7426	6328	9141	3293	5505	5375	5875	7275	8675
<b>Total Supply</b>	<b>550066</b>	<b>559440</b>	<b>560275</b>	<b>579783</b>	<b>616991</b>	<b>650602</b>	<b>683905</b>	<b>720471</b>	<b>752991</b>
<b>Domestic Consumption</b>	<b>506747</b>	<b>515484</b>	<b>519075</b>	<b>542871</b>	<b>585632</b>	<b>617803</b>	<b>658781</b>	<b>697226</b>	<b>728100</b>
<b>Exports</b>									
United States	43319	43956	41227	36912	31359	32799	25124	23245	24891
<b>Total Demand</b>	<b>550066</b>	<b>559440</b>	<b>560275</b>	<b>579783</b>	<b>616991</b>	<b>650602</b>	<b>683905</b>	<b>720471</b>	<b>752991</b>

<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	1197.46	1268.96	1088.56	1125.68	1148.90	1220.29	1220.76	1260.21	1310.68
<b>Nuclear (Uranium)</b>	1116.90	1058.87	974.45	842.75	1180.05	1102.45	1233.40	1245.09	1131.71
<b>Coal [1]</b>	857.33	864.75	1009.35	1069.50	936.56	1002.14	1013.57	951.49	922.91
<b>Natural Gas</b>	185.12	146.98	165.36	285.76	367.02	433.24	513.47	638.33	783.53
<b>Oil</b>									
Heavy Fuel Oil	168.95	115.49	83.36	71.25	46.71	45.87	29.26	14.17	24.16
Light Fuel Oil	0.09	0.13	0.88	1.45	0.73	0.90	1.44	0.70	0.90
Diesel	7.55	7.21	10.17	9.45	14.08	15.68	27.86	36.71	38.24
<b>Renewable Fuels</b>									
Biomass	53.79	51.22	65.73	79.48	81.01	81.50	81.07	81.73	81.73
Wind	0.16	0.16	0.16	1.01	2.29	4.41	4.83	4.83	4.83
<b>Total</b>	<b>3587.35</b>	<b>3513.78</b>	<b>3398.02</b>	<b>3486.33</b>	<b>3777.34</b>	<b>3906.48</b>	<b>4125.68</b>	<b>4233.26</b>	<b>4298.70</b>

[1] Values include those for orimulsion

Table A4.2b: Capacity, Generation, Trade and Primary Energy, Newfoundland and Labrador, Case 2

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	6599	6604	6604	6678	6709	9991	9991	9991	9991
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	489	489	489	489	489	489	163	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	70	240	240	390	690	690
<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	118	118	118	168	168	155	155	50	50
Diesel	74	74	74	99	124	110	103	77	77
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	74	74	74	71	68	64	63	61	60
<b>Renewable Fuels</b>									
Biomass	5	5	5	5	5	5	5	5	5
Wind	0	0	0	0	0	0	0	0	0
<b>Total Generating Capacity</b>	<b>7359</b>	<b>7364</b>	<b>7364</b>	<b>7580</b>	<b>7803</b>	<b>11054</b>	<b>10870</b>	<b>10874</b>	<b>10873</b>
<b>Firm Purchases</b>									
Interprovincial	0	0	0	0	0	0	0	0	0
United States	0	0	0						
<b>Capacity Available</b>	<b>7359</b>	<b>7364</b>	<b>7364</b>	<b>7580</b>	<b>7803</b>	<b>11054</b>	<b>10870</b>	<b>10874</b>	<b>10873</b>
<b>Domestic Peak Demand</b>	<b>2104</b>	<b>1956</b>	<b>2113</b>	<b>2185</b>	<b>2241</b>	<b>2306</b>	<b>2366</b>	<b>2405</b>	<b>2428</b>
<b>Firm Sales</b>									
Interprovincial	4222	4222	4903	4903	4903	7967	7967	7967	7967
United States	0	0	0						
<b>System Demand Peak</b>	<b>6326</b>	<b>6178</b>	<b>7016</b>	<b>7088</b>	<b>7144</b>	<b>10273</b>	<b>10333</b>	<b>10372</b>	<b>10395</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	36277	35336	40207	38590	38985	56785	56916	56916	56916
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1568	1418	1396	2402	2282	2593	1214	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	133	279	400	2009	3634	3764

<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	6	10	10	40	14	20	66	14	16
Diesel	0	1	5	12	205	205	212	201	201
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	51	51	61	63	60	60	62	60	60
<b>Renewable Fuels</b>									
Biomass	21	21	21	21	21	21	21	21	21
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41261</b>	<b>41846</b>	<b>60084</b>	<b>60500</b>	<b>60846</b>	<b>60978</b>
<b>Imports</b>									
Québec	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41261</b>	<b>41846</b>	<b>60084</b>	<b>60500</b>	<b>60846</b>	<b>60978</b>
<b>Domestic Consumption</b>	<b>11202</b>	<b>11058</b>	<b>11399</b>	<b>11887</b>	<b>12374</b>	<b>12920</b>	<b>13451</b>	<b>13868</b>	<b>14035</b>
<b>Exports</b>									
Québec	26721	25779	30301	29374	29472	47164	47049	46978	46943
<b>Total Demand</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41261</b>	<b>41846</b>	<b>60084</b>	<b>60500</b>	<b>60846</b>	<b>60978</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	130.48	126.91	139.77	133.95	135.37	199.45	199.92	199.92	199.92
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	16.32	15.23	15.61	26.85	25.51	28.99	13.57	0.00	0.00
Light Fuel Oil	0.03	0.18	0.18	0.63	0.22	0.31	1.03	0.15	0.18
Diesel	0.61	0.35	0.51	1.80	4.77	5.67	16.41	24.38	25.23
<b>Renewable Fuels</b>									
Biomass	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>147.75</b>	<b>142.99</b>	<b>156.37</b>	<b>163.54</b>	<b>166.18</b>	<b>234.74</b>	<b>231.25</b>	<b>224.77</b>	<b>225.65</b>

Table A4.3b: Capacity, Generation, Trade and Primary Energy, Prince Edward Island, Case 2

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	0	0	0	0	0	0	0	0	0
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	66	66	66	63	56	56	39	20	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	61	61	92	92	122
<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	40	40	40	40	40	40	40	24	20
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Generating Capacity</b>	<b>107</b>	<b>107</b>	<b>107</b>	<b>104</b>	<b>158</b>	<b>158</b>	<b>171</b>	<b>136</b>	<b>142</b>
<b>Firm Purchases</b>									
Interprovincial	70	70	69	69	49	49	49	49	49
United States	0	0	0	0	0	0	0	0	0
<b>Capacity Available</b>	<b>177</b>	<b>177</b>	<b>176</b>	<b>173</b>	<b>207</b>	<b>207</b>	<b>220</b>	<b>185</b>	<b>191</b>
<b>Domestic Peak Demand</b>	<b>160</b>	<b>168</b>	<b>166</b>	<b>177</b>	<b>180</b>	<b>182</b>	<b>183</b>	<b>185</b>	<b>187</b>
<b>Firm Sales</b>									
Interprovincial	0	0	0	0	0	0	0	0	0
United States	0	0	0	0	0	0	0	0	0
<b>System Demand Peak</b>	<b>160</b>	<b>168</b>	<b>166</b>	<b>177</b>	<b>180</b>	<b>182</b>	<b>183</b>	<b>185</b>	<b>187</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	0	0	0	0	0	0	0	0	0
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	13	6	19	21	28	29	8	8	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	33	36	95	122	158



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	1	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	1	1	1	2	2	3	2	4	3
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>15</b>	<b>8</b>	<b>21</b>	<b>24</b>	<b>64</b>	<b>69</b>	<b>105</b>	<b>134</b>	<b>161</b>
<b>Imports</b>									
New Brunswick	815	886	873	928	918	938	928	923	908
<b>Total Supply</b>	<b>830</b>	<b>894</b>	<b>894</b>	<b>952</b>	<b>982</b>	<b>1007</b>	<b>1033</b>	<b>1057</b>	<b>1069</b>
<b>Domestic Consumption</b>	<b>830</b>	<b>894</b>	<b>895</b>	<b>952</b>	<b>982</b>	<b>1007</b>	<b>1033</b>	<b>1057</b>	<b>1069</b>
<b>Exports</b>									
New Brunswick	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>830</b>	<b>894</b>	<b>894</b>	<b>952</b>	<b>982</b>	<b>1007</b>	<b>1033</b>	<b>1057</b>	<b>1069</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	0.33	0.25	0.32	0.36	0.47	0.49	0.13	0.13	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.15	0.08	0.02	0.03	0.29	0.34	0.80	1.06	1.15
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.48</b>	<b>0.34</b>	<b>0.34</b>	<b>0.39</b>	<b>0.77</b>	<b>0.82</b>	<b>0.94</b>	<b>1.19</b>	<b>1.15</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	12	113	179	262	316
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	5	2	29	34	27	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	161	175	330	346	346	346	346	346	346
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>9712</b>	<b>10151</b>	<b>10333</b>	<b>10643</b>	<b>10966</b>	<b>11077</b>	<b>11469</b>	<b>11882</b>	<b>12095</b>
<b>Imports</b>									
New Brunswick	528	109	185	0	0	0	0	0	0
<b>Total Supply</b>	<b>10240</b>	<b>10260</b>	<b>10518</b>	<b>10643</b>	<b>10966</b>	<b>11077</b>	<b>11469</b>	<b>11882</b>	<b>12095</b>
<b>Domestic Consumption</b>	<b>10193</b>	<b>10145</b>	<b>10173</b>	<b>10443</b>	<b>10766</b>	<b>11077</b>	<b>11469</b>	<b>11882</b>	<b>12095</b>
<b>Exports</b>									
New Brunswick	47	115	345	200	200	0	0	0	0
<b>Total Demand</b>	<b>10240</b>	<b>10260</b>	<b>10518</b>	<b>10643</b>	<b>10966</b>	<b>11077</b>	<b>11469</b>	<b>11882</b>	<b>12095</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	3.25	4.02	3.37	3.58	3.58	3.58	3.58	3.58	3.58
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	73.49	84.13	85.72	87.02	79.48	76.09	64.98	54.70	34.11
<b>Natural Gas</b>	0.00	0.00	0.00	9.36	19.66	18.51	22.20	30.10	42.34
<b>Oil</b>									
Heavy Fuel Oil	13.38	8.50	8.42	2.03	2.03	2.03	2.03	2.03	2.03
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.07	0.03	0.39	0.46	0.36	0.00	0.00	0.00	0.00
<b>Renewable Fuels</b>									
Biomass	0.89	0.96	1.82	1.90	1.90	1.90	1.90	1.90	1.90
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>91.07</b>	<b>97.64</b>	<b>99.72</b>	<b>104.36</b>	<b>107.01</b>	<b>102.12</b>	<b>94.69</b>	<b>92.31</b>	<b>83.96</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	7	88	242	304	419
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	99	92	122	98	92	90	92	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	2	3	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	690	640	650	650	650	650	650	650	650
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>13357</b>	<b>15964</b>	<b>16722</b>	<b>19251</b>	<b>20722</b>	<b>21336</b>	<b>22114</b>	<b>21319</b>	<b>21494</b>
<b>Imports</b>									
Prince Edward Island	0	0	0	0	0	0	0	0	0
Nova Scotia	47	115	345	200	200	0	0	0	0
Québec	6644	3370	3478	830	1067	1043	1054	967	1009
United States	61	96	8	10	10	10	10	10	10
<b>Total Supply</b>	<b>20109</b>	<b>19545</b>	<b>20553</b>	<b>20291</b>	<b>21999</b>	<b>22389</b>	<b>23178</b>	<b>22296</b>	<b>22513</b>
<b>Domestic Consumption</b>	<b>14993</b>	<b>15092</b>	<b>13464</b>	<b>15417</b>	<b>15624</b>	<b>15994</b>	<b>16843</b>	<b>17075</b>	<b>17307</b>
<b>Exports</b>									
Prince Edward Island	815	886	873	928	918	938	928	923	908
Nova Scotia	528	109	185	0	0	0	0	0	0
Québec	188	362	393	450	850	850	800	800	800
United States	3585	3096	5638	3496	4607	4607	4607	3498	3498
<b>Total Demand</b>	<b>20109</b>	<b>19545</b>	<b>20553</b>	<b>20291</b>	<b>21999</b>	<b>22389</b>	<b>23178</b>	<b>22296</b>	<b>22513</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	9.74	12.72	8.28	9.55	9.55	9.55	9.55	9.55	9.55
<b>Nuclear (Uranium)</b>	19.11	55.55	37.88	52.35	52.35	52.94	52.94	52.94	0.00
<b>Coal [1]</b>	37.25	39.11	61.06	61.06	46.61	41.55	43.61	35.30	41.62
<b>Natural Gas</b>	0.00	0.00	0.00	15.17	44.42	56.61	58.55	60.58	87.62
<b>Oil</b>									
Heavy Fuel Oil	123.54	87.26	41.65	29.12	12.41	5.60	8.22	0.08	0.08
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.08	0.46	2.05	0.25	0.16	0.13	0.15	0.00	0.00
<b>Renewable Fuels</b>									
Biomass	7.64	6.75	7.20	6.70	6.56	6.63	6.63	6.63	6.63
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>197.36</b>	<b>201.86</b>	<b>158.12</b>	<b>174.20</b>	<b>172.07</b>	<b>173.00</b>	<b>179.65</b>	<b>165.09</b>	<b>145.51</b>

[1] Values include those for orimulsion



<b>Combustion Turbines</b>									
Natural Gas	190	220	200	64	224	950	2051	3123	3975
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	10	15	15	15	15	15	15	15	15
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	204	210	209	209	209	209	209	209	209
<b>Renewable Fuels</b>									
Biomass	579	579	583	918	1104	1134	1134	1134	1134
Wind	0	0	0	236	590	1180	1298	1298	1298
<b>Total Energy Generation</b>	<b>173139</b>	<b>171044</b>	<b>166073</b>	<b>178628</b>	<b>185128</b>	<b>181693</b>	<b>187719</b>	<b>194592</b>	<b>202238</b>
<b>Imports</b>									
Labrador	26721	25779	30301	29374	29472	47164	47049	46978	46943
New Brunswick	188	362	393	450	850	850	800	800	800
Ontario	837	944	1583	0	3000	3000	3000	3000	3000
United States	838	577	674	600	600	600	400	400	400
<b>Total Supply</b>	<b>201723</b>	<b>198706</b>	<b>199024</b>	<b>209052</b>	<b>219050</b>	<b>233307</b>	<b>238968</b>	<b>245770</b>	<b>253381</b>
<b>Domestic Consumption</b>									
<b>Exports</b>	<b>176710</b>	<b>179085</b>	<b>182419</b>	<b>189782</b>	<b>202143</b>	<b>210419</b>	<b>220523</b>	<b>229852</b>	<b>235821</b>
Labrador	0	0	0	0	0	0	0	0	0
New Brunswick	6644	3370	3478	830	1067	1043	1054	967	1009
Ontario	1515	1000	1579	3940	5740	5640	5340	4500	4900
United States	16854	15251	11548	14500	10100	16205	12050	10450	11650
<b>Total Demand</b>	<b>201723</b>	<b>198706</b>	<b>199024</b>	<b>209052</b>	<b>219050</b>	<b>233307</b>	<b>238968</b>	<b>245770</b>	<b>253381</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	604.60	594.72	497.99	541.25	562.13	562.03	562.03	582.91	624.67
<b>Nuclear (Uranium)</b>	54.58	63.09	52.87	59.73	59.73	0.00	60.43	60.43	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.15	0.10	3.95	2.35	3.23	7.23	12.29	17.65	21.91
<b>Oil</b>									
Heavy Fuel Oil	0.08	0.17	7.76	2.34	2.34	2.34	2.34	2.34	2.34
Light Fuel Oil	0.02	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Diesel	2.04	2.10	2.09	2.09	2.09	2.09	2.09	2.09	2.09
<b>Renewable Fuels</b>									
Biomass	6.46	6.46	6.46	9.47	11.14	11.56	11.56	11.56	11.56
Wind	0.00	0.00	0.00	0.85	2.12	4.25	4.67	4.67	4.67
<b>Total</b>	<b>667.92</b>	<b>666.98</b>	<b>571.36</b>	<b>618.34</b>	<b>643.04</b>	<b>589.74</b>	<b>655.66</b>	<b>681.91</b>	<b>667.50</b>

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<b>Combustion Turbines</b>									
Natural Gas	2297	3025	2165	2165	2596	4934	8211	11615	14666
Heavy Fuel Oil	92	155	124	124	124	124	124	124	124
Light Fuel Oil	13	23	26	33	15	20	10	19	30
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	10	27	19	19	19	19	19	19	19
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	15	53	34	34	34	34	34	34	34
<b>Renewable Fuels</b>									
Biomass	578	487	1088	1659	1659	1659	1659	1659	1659
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>147872</b>	<b>144134</b>	<b>145550</b>	<b>149277</b>	<b>166628</b>	<b>181551</b>	<b>199731</b>	<b>216782</b>	<b>231001</b>
<b>Imports</b>									
Québec	1515	1000	1579	3940	5740	5640	5340	4500	4900
Manitoba	601	687	711	2000	2000	2000	2000	2000	2000
United States	1659	2760	4727	200	200	200	200	200	1200
<b>Total Supply</b>	<b>151647</b>	<b>148581</b>	<b>152567</b>	<b>155417</b>	<b>174568</b>	<b>189391</b>	<b>207272</b>	<b>223483</b>	<b>239102</b>
<b>Domestic Consumption</b>	<b>140579</b>	<b>140158</b>	<b>145029</b>	<b>152017</b>	<b>168168</b>	<b>182991</b>	<b>201272</b>	<b>219483</b>	<b>235102</b>
<b>Exports</b>									
Québec	837	944	1583	0	3000	3000	3000	3000	3000
Manitoba	22	76	54	0	0	0	0	0	0
United States	10209	7403	5901	3400	3400	3400	3000	1000	1000
<b>Total Demand</b>	<b>151647</b>	<b>148581</b>	<b>152567</b>	<b>155417</b>	<b>174568</b>	<b>189391</b>	<b>207272</b>	<b>223483</b>	<b>239102</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	139.71	149.72	132.17	135.37	135.37	142.79	142.79	148.86	148.86
<b>Nuclear (Uranium)</b>	1043.21	939.88	883.71	730.67	1067.97	1049.51	1120.03	1131.71	1131.71
<b>Coal</b>	186.76	188.15	252.17	308.28	216.92	305.96	348.22	321.84	312.00
<b>Natural Gas</b>	76.70	61.10	49.64	120.01	109.71	142.94	157.56	213.75	301.79
<b>Oil</b>									
Heavy Fuel Oil	15.06	3.82	9.61	12.58	5.97	8.45	5.00	11.62	21.74
Light Fuel Oil	0.17	0.25	0.45	0.57	0.26	0.34	0.17	0.29	0.47
Diesel	0.43	0.39	0.34	0.34	0.34	0.34	0.34	0.34	0.34
<b>Renewable Fuels</b>									
Biomass	7.18	6.05	13.52	20.62	20.62	20.62	20.62	20.62	20.62
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>1469.23</b>	<b>1349.36</b>	<b>1341.61</b>	<b>1328.44</b>	<b>1557.16</b>	<b>1670.95</b>	<b>1794.72</b>	<b>1849.03</b>	<b>1937.54</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	11	75	144	205	265
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	19	24	21	21	21	21	21	21	21
<b>Renewable Fuels</b>									
Biomass	68	77	63	73	73	73	73	73	73
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>29292</b>	<b>31249</b>	<b>33631</b>	<b>29780</b>	<b>29791</b>	<b>29825</b>	<b>29894</b>	<b>33755</b>	<b>35214</b>
<b>Imports</b>									
Ontario	22	76	54	0	0	0	0	0	0
Saskatchewan	1107	1100	0	350	350	350	350	350	350
United States	56	86	11	2	1	1	1	1	1
<b>Total Supply</b>	<b>30477</b>	<b>32511</b>	<b>33696</b>	<b>30132</b>	<b>30142</b>	<b>30176</b>	<b>30245</b>	<b>34106</b>	<b>35565</b>
<b>Domestic Consumption</b>	<b>19616</b>	<b>20478</b>	<b>20734</b>	<b>21150</b>	<b>22789</b>	<b>24052</b>	<b>25091</b>	<b>26072</b>	<b>27167</b>
<b>Exports</b>									
Ontario	601	687	711	2000	2000	2000	2000	2000	2000
Saskatchewan	1226	1477	722	850	850	850	850	850	850
United States	9034	9869	11529	6132	4503	3274	2304	5184	5548
<b>Total Demand</b>	<b>30477</b>	<b>32511</b>	<b>33696</b>	<b>30132</b>	<b>30142</b>	<b>30176</b>	<b>30245</b>	<b>34106</b>	<b>35565</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	104.45	111.12	120.14	105.75	105.75	105.75	105.75	118.24	123.28
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	1.84	3.36	2.48	4.50	4.50	4.02	4.02	0.00	0.00
<b>Natural Gas</b>	0.05	0.05	0.05	0.05	0.05	0.41	0.72	4.48	4.78
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.43	0.49	0.27	0.27	0.27	0.27	0.27	0.27	0.27
<b>Renewable Fuels</b>									
Biomass	0.61	0.69	0.57	0.66	0.66	0.66	0.66	0.66	0.66
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>107.38</b>	<b>115.72</b>	<b>123.50</b>	<b>111.22</b>	<b>111.22</b>	<b>111.10</b>	<b>111.41</b>	<b>123.64</b>	<b>128.97</b>



<b>Combustion Turbines</b>									
Natural Gas	148	146	99	50	74	239	433	597	764
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	32	41	34	37	37	37	37	37	37
<b>Renewable Fuels</b>									
Biomass	188	191	176	391	391	391	391	391	391
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>16544</b>	<b>16703</b>	<b>16816</b>	<b>18583</b>	<b>19912</b>	<b>20877</b>	<b>21994</b>	<b>23045</b>	<b>24034</b>
<b>Imports</b>									
Manitoba	1226	1477	722	850	850	850	850	850	850
Alberta	58	222	116	0	0	0	0	0	0
United States	73	214	302	80	80	80	80	80	80
<b>Total Supply</b>	<b>17901</b>	<b>18616</b>	<b>17956</b>	<b>19513</b>	<b>20842</b>	<b>21807</b>	<b>22924</b>	<b>23975</b>	<b>24964</b>
<b>Domestic Consumption</b>	<b>16400</b>	<b>17133</b>	<b>17666</b>	<b>18863</b>	<b>20192</b>	<b>21337</b>	<b>22454</b>	<b>23505</b>	<b>24494</b>
<b>Exports</b>									
Manitoba	1107	1100	0	350	350	350	350	350	350
Alberta	239	86	179	180	180	0	0	0	0
United States	155	297	111	120	120	120	120	120	120
<b>Total Demand</b>	<b>17901</b>	<b>18616</b>	<b>17956</b>	<b>19513</b>	<b>20842</b>	<b>21807</b>	<b>22924</b>	<b>23975</b>	<b>24964</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	14.83	15.75	14.35	14.36	14.36	14.36	14.36	14.36	14.36
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	72.72	72.79	142.81	139.12	147.80	142.17	136.72	139.04	128.86
<b>Natural Gas</b>	8.42	9.71	9.13	18.09	23.32	30.55	40.02	39.67	46.20
<b>Oil</b>									
Heavy Fuel Oil	0.28	0.29	0.34	0.36	0.36	0.36	0.36	0.36	0.36
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.32	0.41	0.34	0.37	0.37	0.37	0.37	0.37	0.37
<b>Renewable Fuels</b>									
Biomass	1.69	1.72	1.58	3.52	3.52	3.52	3.52	3.52	3.52
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>98.27</b>	<b>100.68</b>	<b>168.54</b>	<b>175.83</b>	<b>189.74</b>	<b>191.34</b>	<b>195.35</b>	<b>197.33</b>	<b>193.67</b>



<b>Combustion Turbines</b>									
Natural Gas	2614	2498	1684	1701	1774	2066	3040	3982	4441
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	92	106	33	33	33	33	33	33	33
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	13	13	16	16	16	16	16	16	16
<b>Renewable Fuels</b>									
Biomass	1223	1141	997	1222	1222	1222	1174	1248	1248
Wind	45	45	45	45	45	45	45	45	45
<b>Total Energy Generation</b>	<b>53585</b>	<b>52961</b>	<b>54052</b>	<b>58400</b>	<b>62512</b>	<b>64267</b>	<b>69404</b>	<b>74334</b>	<b>78680</b>
<b>Imports</b>									
Saskatchewan	239	86	179	180	180	0	0	0	0
British Columbia	489	2192	1939	1000	1000	1000	1000	1000	1000
<b>Total Supply</b>	<b>54313</b>	<b>55239</b>	<b>56170</b>	<b>59580</b>	<b>63692</b>	<b>65267</b>	<b>70404</b>	<b>75334</b>	<b>79680</b>
<b>Domestic Consumption</b>	<b>52609</b>	<b>54618</b>	<b>55240</b>	<b>58580</b>	<b>62692</b>	<b>64267</b>	<b>69404</b>	<b>74334</b>	<b>78680</b>
<b>Exports</b>									
Saskatchewan	58	222	116	0	0	0	0	0	0
British Columbia	1646	399	814	1000	1000	1000	1000	1000	1000
<b>Total Demand</b>	<b>54313</b>	<b>55239</b>	<b>56170</b>	<b>59580</b>	<b>63692</b>	<b>65267</b>	<b>70404</b>	<b>75334</b>	<b>79680</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	7.88	8.14	8.07	8.08	8.08	8.08	8.08	8.08	8.08
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	485.27	477.20	465.12	469.52	429.81	421.52	404.58	389.13	394.83
<b>Natural Gas</b>	45.55	54.40	79.96	87.80	123.96	132.49	176.09	215.11	215.07
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.15	0.15	0.19	0.19	0.19	0.19	0.19	0.19	0.19
<b>Renewable Fuels</b>									
Biomass	11.01	10.27	8.97	11.00	11.00	11.00	10.57	11.23	11.23
Wind	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
<b>Total</b>	<b>550.02</b>	<b>550.32</b>	<b>562.48</b>	<b>576.76</b>	<b>573.20</b>	<b>573.43</b>	<b>599.67</b>	<b>623.90</b>	<b>629.57</b>





<b>Combustion Turbines</b>									
Natural Gas	880	831	856	856	912	1254	1605	1894	2102
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	14	14	30	30	30	30	30	30	30
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	66	76	52	52	52	52	52	52	52
<b>Renewable Fuels</b>									
Biomass	2000	2000	2811	2811	2811	2811	2811	2811	2811
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>60006</b>	<b>72724</b>	<b>65118</b>	<b>69495</b>	<b>72659</b>	<b>73121</b>	<b>73710</b>	<b>75065</b>	<b>76940</b>
<b>Imports</b>									
Alberta	1646	399	814	1000	1000	1000	1000	1000	1000
United States	4739	2595	3589	2401	4614	4484	5184	6584	6984
<b>Total Supply</b>	<b>66391</b>	<b>75718</b>	<b>69521</b>	<b>72896</b>	<b>78273</b>	<b>78605</b>	<b>79894</b>	<b>82649</b>	<b>84924</b>
<b>Domestic Consumption</b>	<b>62420</b>	<b>65486</b>	<b>60939</b>	<b>62632</b>	<b>68644</b>	<b>72412</b>	<b>75851</b>	<b>78656</b>	<b>80849</b>
<b>Exports</b>									
Alberta	489	2192	1939	1000	1000	1000	1000	1000	1000
United States	3482	8040	6643	9264	8629	5193	3043	2993	3075
<b>Total Demand</b>	<b>66391</b>	<b>75718</b>	<b>69521</b>	<b>72896</b>	<b>78273</b>	<b>78605</b>	<b>79894</b>	<b>82649</b>	<b>84924</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	180.65	243.61	162.56	171.73	172.63	172.63	172.63	172.63	176.30
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	11.44	10.84	11.44	11.48	11.48
<b>Natural Gas</b>	52.44	19.89	22.68	32.97	42.65	44.51	46.06	57.00	63.82
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.51	1.02	0.46	0.46	0.46	0.46	0.46	0.46	0.46
<b>Renewable Fuels</b>									
Biomass	18.00	18.00	25.30	25.30	25.30	25.30	25.30	25.30	25.30
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>251.61</b>	<b>282.51</b>	<b>211.00</b>	<b>230.46</b>	<b>252.48</b>	<b>253.74</b>	<b>255.89</b>	<b>266.87</b>	<b>277.37</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	72	139	114	83	114	137	158	176	188
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>493</b>
<b>Imports</b>	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>493</b>
<b>Domestic Consumption</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>493</b>
<b>Exports</b>	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>493</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	1.13	1.30	0.93	1.08	1.10	1.10	1.10	1.10	1.10
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.91	1.76	1.45	1.05	1.45	1.74	2.01	2.23	2.39
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>2.04</b>	<b>3.07</b>	<b>2.38</b>	<b>2.13</b>	<b>2.55</b>	<b>2.84</b>	<b>3.10</b>	<b>3.33</b>	<b>3.48</b>



<b>Combustion Turbines</b>									
Natural Gas	100	104	101	101	101	101	101	101	101
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	505	468	352	358	432	478	520	554	581
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0
<b>Total Energy Generation</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<b>Imports</b>	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<b>Domestic Consumption</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<b>Exports</b>	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	0.73	0.95	0.92	0.97	0.97	0.97	0.97	0.97	0.97
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	1.63	1.49	1.01	1.01	1.01	1.01	1.01	1.01	1.01
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	5.95	3.91	2.75	2.84	4.05	4.79	5.48	6.03	6.47
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>8.32</b>	<b>6.36</b>	<b>4.68</b>	<b>4.83</b>	<b>6.03</b>	<b>6.77</b>	<b>7.46</b>	<b>8.01</b>	<b>8.45</b>

Table A4.1c: Capacity, Generation, Trade and Primary Energy, Canada, A&amp;R Sensitivity

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	64668	64837	64535	64735	65863	69890	71006	72120	75549
<b>Nuclear</b>	14672	14157	14157	11335	13903	14581	13530	13381	12104
<b>Steam</b>									
Coal [1]	16331	16315	16218	16162	15702	14334	13133	8342	6908
Natural Gas	2478	2598	2613	4017	3827	3141	1864	1864	1864
Heavy Fuel Oil	3890	3890	3890	3454	3390	3292	2949	1762	1742
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	1500	5142	6154
Natural Gas	903	1103	1303	3351	5914	8328	12762	14388	15759
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	70	301	301	482	782	812
<b>Combustion Turbines</b>									
Natural Gas	1077	1355	1345	1627	1508	2613	3860	5130	6361
Heavy Fuel Oil	20	20	20	20	20	20	20	20	20
Light Fuel Oil	956	956	956	1006	1006	973	952	785	761
Diesel	970	970	970	995	995	783	776	206	187
<b>Internal Combustion</b>									
Natural Gas	50	50	61	61	61	61	61	61	61
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	8	8	8	8	8	8	8	8	8
Diesel	516	507	516	513	510	509	512	514	512
<b>Renewable Fuels</b>									
Biomass	1286	1286	1286	1413	1436	1503	1718	2144	2376
Wind	18	18	19	139	465	967	1760	2823	3420
<b>Total Generating Capacity</b>	<b>107828</b>	<b>107992</b>	<b>107898</b>	<b>108907</b>	<b>114910</b>	<b>121305</b>	<b>126893</b>	<b>129472</b>	<b>134598</b>
<b>Firm Purchases</b>									
United States	481	655	1245	1365	1985	1995	1470	1470	1470
<b>Capacity Available</b>	<b>108309</b>	<b>108647</b>	<b>109143</b>	<b>110272</b>	<b>116895</b>	<b>123300</b>	<b>128363</b>	<b>130942</b>	<b>136068</b>
<b>Domestic Peak Demand</b>	<b>87775</b>	<b>87942</b>	<b>90727</b>	<b>94432</b>	<b>100334</b>	<b>104339</b>	<b>109640</b>	<b>114378</b>	<b>119232</b>
<b>Firm Sales</b>									
United States	1187	1577	1537	1537	969	1956	1636	1636	1512
<b>System Demand Peak</b>	<b>88962</b>	<b>89519</b>	<b>92264</b>	<b>95969</b>	<b>101303</b>	<b>106295</b>	<b>111276</b>	<b>116014</b>	<b>120744</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	330829	349203	341951	352501	360004	381007	384225	390535	406938
<b>Nuclear</b>	92306	87516	77963	67340	94446	88407	100077	100807	91186
<b>Steam</b>									
Coal [1]	82621	82903	91283	96883	84426	90304	87553	58531	46696
Natural Gas	12117	8007	12334	13366	12552	9577	8238	6580	6969
Heavy Fuel Oil	7206	6202	7984	6792	4420	4366	3614	1471	1688
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	34673	45918
Natural Gas	4443	5585	6442	24958	39467	49293	63014	72774	93196
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	131	302	410	1973	3553	3703

<b>Combustion Turbines</b>									
Natural Gas	6229	6824	5105	4938	5640	9523	15391	20926	25080
Heavy Fuel Oil	92	155	124	124	124	124	124	124	124
Light Fuel Oil	29	48	51	87	42	55	104	46	49
Diesel	128	126	157	145	326	298	305	204	203
<b>Internal Combustion</b>									
Natural Gas	116	147	82	82	82	82	82	82	82
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	966	1065	893	873	975	1042	1102	1148	1186
<b>Renewable Fuels</b>									
Biomass	5512	5285	6719	8091	8398	8916	10452	13681	15416
Wind	45	45	45	324	976	2168	4174	6699	8109
<b>Total Energy Generation</b>	<b>542640</b>	<b>553112</b>	<b>551134</b>	<b>576636</b>	<b>612181</b>	<b>645573</b>	<b>680428</b>	<b>711834</b>	<b>746543</b>
<b>Imports</b>									
United States	7426	6328	9141	3293	5505	5375	5175	6925	8575
<b>Total Supply</b>	<b>550066</b>	<b>559440</b>	<b>560275</b>	<b>579929</b>	<b>617868</b>	<b>650948</b>	<b>685603</b>	<b>718759</b>	<b>755118</b>
<b>Domestic Consumption</b>	<b>506747</b>	<b>515484</b>	<b>519075</b>	<b>542812</b>	<b>585254</b>	<b>617092</b>	<b>657853</b>	<b>696104</b>	<b>726756</b>
<b>Exports</b>									
United States	43319	43956	41227	37117	32432	33856	27750	22655	28362
<b>Total Demand</b>	<b>550066</b>	<b>559440</b>	<b>560275</b>	<b>579929</b>	<b>617686</b>	<b>650948</b>	<b>685603</b>	<b>718759</b>	<b>755118</b>

<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	1197.46	1268.96	1088.56	1126.47	1153.48	1229.09	1240.67	1263.39	1322.44
<b>Nuclear (Uranium)</b>	1116.90	1058.87	974.45	842.75	1180.05	1102.45	1233.40	1245.09	1131.71
<b>Coal [1]</b>	857.33	864.75	1009.35	1068.79	929.51	987.02	959.41	861.25	798.09
<b>Natural Gas</b>	185.12	146.98	165.36	285.08	364.18	420.29	525.00	593.39	741.57
<b>Oil</b>									
Heavy Fuel Oil	168.95	115.49	83.36	71.34	45.96	46.39	38.00	14.64	17.24
Light Fuel Oil	0.09	0.13	0.88	1.43	0.70	0.90	1.67	0.68	0.72
Diesel	7.55	7.21	10.17	9.42	14.01	15.45	26.81	35.19	36.60
<b>Renewable Fuels</b>									
Biomass	53.79	51.22	65.73	79.48	82.28	88.01	104.50	140.06	158.80
Wind	0.16	0.16	0.16	1.17	3.52	7.89	15.23	24.53	29.65
<b>Total</b>	<b>3587.35</b>	<b>3513.78</b>	<b>3398.02</b>	<b>3485.93</b>	<b>3773.69</b>	<b>3897.49</b>	<b>4144.71</b>	<b>4178.21</b>	<b>4236.82</b>

[1] Values include those for orimulsion

Table A4.2c: Capacity, Generation, Trade and Primary Energy, Newfoundland and Labrador, A&amp;R Sensitivity

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	6599	6604	6604	6680	6713	9998	10001	10003	10003
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	489	489	489	489	489	489	163	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	70	240	240	390	690	690
<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	118	118	118	168	168	155	155	50	50
Diesel	74	74	74	99	124	110	103	77	77
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	74	74	74	71	68	64	63	61	60
<b>Renewable Fuels</b>									
Biomass	5	5	5	5	5	7	10	13	14
Wind	0	0	0	0	1	8	17	34	37
<b>Total Generating Capacity</b>	<b>7359</b>	<b>7364</b>	<b>7364</b>	<b>7582</b>	<b>7808</b>	<b>11071</b>	<b>10902</b>	<b>10928</b>	<b>10931</b>
<b>Firm Purchases</b>									
Interprovincial	0	0	0	0	0	0	0	0	0
United States	0	0	0						
<b>Capacity Available</b>	<b>7359</b>	<b>7364</b>	<b>7364</b>	<b>7582</b>	<b>7808</b>	<b>11071</b>	<b>10902</b>	<b>10928</b>	<b>10931</b>
<b>Domestic Peak Demand</b>	<b>2104</b>	<b>1956</b>	<b>2113</b>	<b>2184</b>	<b>2236</b>	<b>2301</b>	<b>2360</b>	<b>2399</b>	<b>2421</b>
<b>Firm Sales</b>									
Interprovincial	4222	4222	4903	4903	4903	7967	7967	7967	7967
United States	0	0	0						
<b>System Demand Peak</b>	<b>6326</b>	<b>6178</b>	<b>7016</b>	<b>7087</b>	<b>7139</b>	<b>10268</b>	<b>10327</b>	<b>10366</b>	<b>10388</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	36277	35336	40207	38595	39005	56829	56987	57005	57005
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1568	1418	1396	2392	2255	2545	1214	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	131	270	375	1883	3438	3552



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	6	10	10	39	13	18	60	12	13
Diesel	0	1	5	12	205	205	211	201	201
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	51	51	61	63	60	60	61	60	60
<b>Renewable Fuels</b>									
Biomass	21	21	21	21	21	30	52	72	81
Wind	0	0	0	0	2	15	38	77	85
<b>Total Energy Generation</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41253</b>	<b>41831</b>	<b>60077</b>	<b>60506</b>	<b>60865</b>	<b>60997</b>
<b>Imports</b>									
Québec	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41253</b>	<b>41831</b>	<b>60077</b>	<b>60506</b>	<b>60865</b>	<b>60997</b>
<b>Domestic Consumption</b>	<b>11202</b>	<b>11058</b>	<b>11399</b>	<b>11876</b>	<b>12349</b>	<b>12892</b>	<b>13419</b>	<b>13836</b>	<b>13999</b>
<b>Exports</b>									
Québec	26721	25779	30301	29377	29482	47185	47087	47029	46998
<b>Total Demand</b>	<b>37923</b>	<b>36837</b>	<b>41700</b>	<b>41253</b>	<b>41831</b>	<b>60077</b>	<b>60506</b>	<b>60865</b>	<b>60997</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	130.48	126.91	139.77	133.97	135.44	199.61	200.18	200.24	200.24
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	16.32	15.23	15.61	26.74	25.21	28.45	13.57	0.00	0.00
Light Fuel Oil	0.03	0.18	0.18	0.61	0.20	0.28	0.93	0.13	0.14
Diesel	0.61	0.35	0.51	1.78	4.70	5.49	15.50	23.10	23.84
<b>Renewable Fuels</b>									
Biomass	0.32	0.32	0.32	0.32	0.32	0.45	0.78	1.08	1.22
Wind	0.00	0.00	0.00	0.00	0.02	0.14	0.34	0.69	0.77
<b>Total</b>	<b>147.75</b>	<b>142.99</b>	<b>156.37</b>	<b>163.42</b>	<b>165.89</b>	<b>234.41</b>	<b>231.31</b>	<b>225.25</b>	<b>226.20</b>

Table A4.3c: Capacity, Generation, Trade and Primary Energy, Prince Edward Island, A&amp;R Sensitivity

## Section 1: Generating Capacity (MW)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	0	0	0	0	0	0	1	1	1
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	66	66	66	63	56	56	39	20	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	61	61	92	92	122
<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	40	40	40	40	40	40	40	24	10
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	1	1	1
Wind	0	0	0	0	0	0	1	1	1
<b>Total Generating Capacity</b>	<b>107</b>	<b>107</b>	<b>107</b>	<b>104</b>	<b>158</b>	<b>158</b>	<b>174</b>	<b>139</b>	<b>135</b>
<b>Firm Purchases</b>									
Interprovincial	70	70	69	69	49	49	49	49	49
United States	0	0	0	0	0	0	0	0	0
<b>Capacity Available</b>	<b>177</b>	<b>177</b>	<b>176</b>	<b>173</b>	<b>207</b>	<b>207</b>	<b>223</b>	<b>188</b>	<b>184</b>
<b>Domestic Peak Demand</b>	<b>160</b>	<b>168</b>	<b>166</b>	<b>177</b>	<b>180</b>	<b>181</b>	<b>183</b>	<b>185</b>	<b>187</b>
<b>Firm Sales</b>									
Interprovincial	0	0	0	0	0	0	0	0	0
United States	0	0	0	0	0	0	0	0	0
<b>System Demand Peak</b>	<b>160</b>	<b>168</b>	<b>166</b>	<b>177</b>	<b>180</b>	<b>181</b>	<b>183</b>	<b>185</b>	<b>187</b>

## Section 2: Electricity Generation by Technology and Fuel Type (GW.h)

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Hydro</b>	0	0	0	0	0	0	1	1	1
<b>Nuclear</b>	0	0	0	0	0	0	0	0	0
<b>Steam</b>									
Coal	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	13	6	19	20	28	29	7	8	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Combined Cycle</b>									
IGCC (Coal)	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	32	35	90	115	151

<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	1	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	1	1	1	1	2	3	2	3	2
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	1	1	1	1	1	1	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	1	2	2
Wind	0	0	0	0	0	0	1	2	2
<b>Total Energy Generation</b>	<b>15</b>	<b>8</b>	<b>21</b>	<b>22</b>	<b>63</b>	<b>68</b>	<b>102</b>	<b>131</b>	<b>158</b>
<b>Imports</b>									
New Brunswick	815	886	873	928	918	938	928	923	908
<b>Total Supply</b>	<b>830</b>	<b>894</b>	<b>894</b>	<b>950</b>	<b>981</b>	<b>1006</b>	<b>1030</b>	<b>1054</b>	<b>1066</b>
<b>Domestic Consumption</b>	<b>830</b>	<b>894</b>	<b>895</b>	<b>950</b>	<b>981</b>	<b>1006</b>	<b>1030</b>	<b>1054</b>	<b>1066</b>
<b>Exports</b>									
New Brunswick	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>830</b>	<b>894</b>	<b>894</b>	<b>950</b>	<b>981</b>	<b>1006</b>	<b>1030</b>	<b>1054</b>	<b>1066</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	0.33	0.25	0.32	0.34	0.47	0.49	0.12	0.13	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.15	0.08	0.02	0.02	0.29	0.33	0.76	0.99	1.09
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
<b>Total</b>	<b>0.48</b>	<b>0.34</b>	<b>0.34</b>	<b>0.36</b>	<b>0.76</b>	<b>0.82</b>	<b>0.89</b>	<b>1.15</b>	<b>1.12</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	12	109	174	254	290
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	5	2	29	34	27	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	161	175	330	346	346	351	367	388	398
Wind	0	0	0	0	11	33	69	125	136
<b>Total Energy Generation</b>	<b>9712</b>	<b>10151</b>	<b>10333</b>	<b>10642</b>	<b>10961</b>	<b>11064</b>	<b>11452</b>	<b>11861</b>	<b>12069</b>
<b>Imports</b>									
New Brunswick	528	109	185	0	0	0	0	0	0
<b>Total Supply</b>	<b>10240</b>	<b>10260</b>	<b>10518</b>	<b>10642</b>	<b>10961</b>	<b>11064</b>	<b>11452</b>	<b>11861</b>	<b>12069</b>
<b>Domestic Consumption</b>	<b>10193</b>	<b>10145</b>	<b>10173</b>	<b>10442</b>	<b>10761</b>	<b>11064</b>	<b>11452</b>	<b>11861</b>	<b>12069</b>
<b>Exports</b>									
New Brunswick	47	115	345	200	200	0	0	0	0
<b>Total Demand</b>	<b>10240</b>	<b>10260</b>	<b>10518</b>	<b>10642</b>	<b>10961</b>	<b>11064</b>	<b>11452</b>	<b>11861</b>	<b>12069</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	3.25	4.02	3.37	3.58	3.58	3.58	3.58	3.58	3.58
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	73.49	84.13	85.72	87.01	79.31	76.09	64.98	54.70	34.11
<b>Natural Gas</b>	0.00	0.00	0.00	9.36	19.64	17.93	21.50	28.90	40.93
<b>Oil</b>									
Heavy Fuel Oil	13.38	8.50	8.42	2.03	2.03	2.03	2.03	2.03	2.03
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.07	0.03	0.39	0.46	0.36	0.00	0.00	0.00	0.00
<b>Renewable Fuels</b>									
Biomass	0.89	0.96	1.82	1.90	1.90	1.93	2.02	2.13	2.19
Wind	0.00	0.00	0.00	0.00	0.04	0.12	0.25	0.45	0.49
<b>Total</b>	<b>91.07</b>	<b>97.64</b>	<b>99.72</b>	<b>104.35</b>	<b>106.87</b>	<b>101.68</b>	<b>94.36</b>	<b>91.79</b>	<b>83.33</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	7	86	240	300	405
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	99	92	122	98	92	90	92	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	2	3	0	0	0	0	0	0	0
<b>Renewable Fuels</b>									
Biomass	690	640	650	650	650	653	693	709	722
Wind	0	0	0	0	1	5	43	72	85
<b>Total Energy Generation</b>	<b>13357</b>	<b>15964</b>	<b>16722</b>	<b>19281</b>	<b>20785</b>	<b>21264</b>	<b>22148</b>	<b>21262</b>	<b>21272</b>
<b>Imports</b>									
Prince Edward Island	0	0	0	0	0	0	0	0	0
Nova Scotia	47	115	345	200	200	0	0	0	0
Québec	6644	3370	3478	800	1000	1100	1000	1000	1200
United States	61	96	8	10	10	10	10	10	10
<b>Total Supply</b>	<b>20109</b>	<b>19545</b>	<b>20553</b>	<b>20291</b>	<b>21995</b>	<b>22374</b>	<b>23158</b>	<b>22272</b>	<b>22482</b>
<b>Domestic Consumption</b>	<b>14993</b>	<b>15092</b>	<b>13464</b>	<b>15417</b>	<b>15620</b>	<b>15979</b>	<b>16823</b>	<b>17051</b>	<b>17276</b>
<b>Exports</b>									
Prince Edward Island	815	886	873	928	918	938	928	923	908
Nova Scotia	528	109	185	0	0	0	0	0	0
Québec	188	362	393	450	850	850	800	800	800
United States	3585	3096	5638	3496	4607	4607	4607	3498	3498
<b>Total Demand</b>	<b>20109</b>	<b>19545</b>	<b>20553</b>	<b>20291</b>	<b>21995</b>	<b>22374</b>	<b>23158</b>	<b>22272</b>	<b>22482</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	9.74	12.72	8.28	9.55	9.58	9.61	9.78	9.83	9.83
<b>Nuclear (Uranium)</b>	19.11	55.55	37.88	52.35	52.35	52.94	52.94	52.94	0.00
<b>Coal [1]</b>	37.25	39.11	61.06	61.06	46.71	41.38	43.19	35.02	39.07
<b>Natural Gas</b>	0.00	0.00	0.00	15.17	44.73	56.16	58.47	58.92	86.13
<b>Oil</b>									
Heavy Fuel Oil	123.54	87.26	41.65	29.42	12.45	5.44	7.58	0.08	0.08
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.08	0.46	2.05	0.25	0.16	0.13	0.15	0.00	0.00
<b>Renewable Fuels</b>									
Biomass	7.64	6.75	7.20	6.70	6.56	6.66	7.07	7.23	7.36
Wind	0.00	0.00	0.00	0.00	0.00	0.02	0.15	0.26	0.31
<b>Total</b>	<b>197.36</b>	<b>201.86</b>	<b>158.12</b>	<b>174.51</b>	<b>172.54</b>	<b>172.32</b>	<b>179.32</b>	<b>164.28</b>	<b>142.78</b>

[1] Values include those for orimulsion





<b>Combustion Turbines</b>									
Natural Gas	190	220	200	64	160	645	1373	2039	2432
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	10	15	15	15	15	15	15	15	15
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	204	210	209	209	209	209	209	209	209
<b>Renewable Fuels</b>									
Biomass	579	579	583	918	1159	1364	1733	2431	2777
Wind	0	0	0	236	590	1223	1711	2376	2607
<b>Total Energy Generation</b>	<b>173139</b>	<b>171044</b>	<b>166073</b>	<b>178731</b>	<b>185562</b>	<b>182497</b>	<b>189472</b>	<b>194547</b>	<b>205423</b>
<b>Imports</b>									
Labrador	26721	25779	30301	29377	29482	47185	47087	47029	46998
New Brunswick	188	362	393	450	850	850	800	800	800
Ontario	837	944	1583	0	3000	3000	3000	3000	3000
United States	838	577	674	600	600	600	400	400	400
<b>Total Supply</b>	<b>201723</b>	<b>198706</b>	<b>199024</b>	<b>209158</b>	<b>219494</b>	<b>234132</b>	<b>240759</b>	<b>245776</b>	<b>256621</b>
<b>Domestic Consumption</b>									
<b>Exports</b>	<b>176710</b>	<b>179085</b>	<b>182419</b>	<b>189718</b>	<b>201854</b>	<b>209892</b>	<b>219793</b>	<b>228925</b>	<b>234695</b>
Labrador	0	0	0	0	0	0	0	0	0
New Brunswick	6644	3370	3478	800	1000	1100	1000	1000	1200
Ontario	1515	1000	1579	3940	5740	6640	5841	4801	5801
United States	16854	15251	11548	14700	10900	16500	14125	11050	14925
<b>Total Demand</b>	<b>201723</b>	<b>198706</b>	<b>199024</b>	<b>209158</b>	<b>219494</b>	<b>234132</b>	<b>240759</b>	<b>245776</b>	<b>256621</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	604.60	594.72	497.99	541.62	563.73	565.03	567.13	578.10	631.07
<b>Nuclear (Uranium)</b>	54.58	63.09	52.87	59.73	59.73	0.00	60.43	60.43	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.15	0.10	3.95	2.35	2.88	5.55	8.90	12.23	14.19
<b>Oil</b>									
Heavy Fuel Oil	0.08	0.17	7.76	2.34	2.34	2.34	2.34	2.34	2.34
Light Fuel Oil	0.02	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Diesel	2.04	2.10	2.09	2.09	2.09	2.09	2.09	2.09	2.09
<b>Renewable Fuels</b>									
Biomass	6.46	6.46	6.46	9.47	11.70	13.91	17.67	24.78	28.31
Wind	0.00	0.00	0.00	0.85	2.12	4.40	6.16	8.55	9.39
<b>Total</b>	<b>667.92</b>	<b>666.98</b>	<b>571.36</b>	<b>618.71</b>	<b>644.84</b>	<b>593.58</b>	<b>664.98</b>	<b>688.78</b>	<b>687.64</b>

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<b>Combustion Turbines</b>									
Natural Gas	2297	3025	2165	2165	2591	4952	8289	11561	14279
Heavy Fuel Oil	92	155	124	124	124	124	124	124	124
Light Fuel Oil	13	23	26	33	14	22	29	19	21
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	10	27	19	19	19	19	19	19	19
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	15	53	34	34	34	34	34	34	34
<b>Renewable Fuels</b>									
Biomass	578	487	1088	1659	1694	1867	2481	4112	4893
Wind	0	0	0	29	225	599	1543	2597	3378
<b>Total Energy Generation</b>	<b>147872</b>	<b>144134</b>	<b>145550</b>	<b>149287</b>	<b>166586</b>	<b>180450</b>	<b>199124</b>	<b>216263</b>	<b>231073</b>
<b>Imports</b>									
Québec	1515	1000	1579	3940	5740	6640	5841	4801	5801
Manitoba	601	687	711	2000	2000	2000	2000	2000	2000
United States	1659	2760	4727	200	200	200	200	300	1100
<b>Total Supply</b>	<b>151647</b>	<b>148581</b>	<b>152567</b>	<b>155427</b>	<b>174526</b>	<b>189290</b>	<b>207165</b>	<b>223364</b>	<b>239974</b>
<b>Domestic Consumption</b>	<b>140579</b>	<b>140158</b>	<b>145029</b>	<b>152027</b>	<b>168126</b>	<b>182890</b>	<b>201165</b>	<b>219364</b>	<b>234974</b>
<b>Exports</b>									
Québec	837	944	1583	0	3000	3000	3000	3000	3000
Manitoba	22	76	54	0	0	0	0	0	0
United States	10209	7403	5901	3400	3400	3400	3000	1000	2000
<b>Total Demand</b>	<b>151647</b>	<b>148581</b>	<b>152567</b>	<b>155427</b>	<b>174526</b>	<b>189290</b>	<b>207165</b>	<b>223364</b>	<b>239974</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	139.71	149.72	132.17	135.58	136.87	146.07	153.34	157.39	157.39
<b>Nuclear (Uranium)</b>	1043.21	939.88	883.71	730.67	1067.97	1049.51	1120.03	1131.71	1131.71
<b>Coal</b>	186.76	188.15	252.17	307.61	210.57	290.42	294.74	235.40	229.62
<b>Natural Gas</b>	76.70	61.10	49.64	119.89	108.81	135.51	182.13	202.96	277.02
<b>Oil</b>									
Heavy Fuel Oil	15.06	3.82	9.61	12.50	5.49	9.68	14.40	12.09	14.81
Light Fuel Oil	0.17	0.25	0.45	0.57	0.24	0.37	0.49	0.29	0.33
Diesel	0.43	0.39	0.34	0.34	0.34	0.34	0.34	0.34	0.34
<b>Renewable Fuels</b>									
Biomass	7.18	6.05	13.52	20.62	21.06	23.21	30.84	51.11	60.82
Wind	0.00	0.00	0.00	0.10	0.81	2.16	5.55	9.35	12.16
<b>Total</b>	<b>1469.23</b>	<b>1349.36</b>	<b>1341.61</b>	<b>1327.88</b>	<b>1552.15</b>	<b>1657.26</b>	<b>1801.85</b>	<b>1800.63</b>	<b>1884.20</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	11	75	144	205	264
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	19	24	21	21	21	21	21	21	21
<b>Renewable Fuels</b>									
Biomass	68	77	63	73	77	94	141	215	280
Wind	0	0	0	0	9	37	83	153	197
<b>Total Energy Generation</b>	<b>29292</b>	<b>31249</b>	<b>33631</b>	<b>29787</b>	<b>29861</b>	<b>29979</b>	<b>30182</b>	<b>32547</b>	<b>34385</b>
<b>Imports</b>									
Ontario	22	76	54	0	0	0	0	0	0
Saskatchewan	1107	1100	0	350	350	350	350	350	350
United States	56	86	11	2	1	1	1	1	1
<b>Total Supply</b>	<b>30477</b>	<b>32511</b>	<b>33696</b>	<b>30139</b>	<b>30212</b>	<b>30330</b>	<b>30533</b>	<b>32898</b>	<b>34736</b>
<b>Domestic Consumption</b>									
<b>Exports</b>									
Ontario	601	687	711	2000	2000	2000	2000	2000	2000
Saskatchewan	1226	1477	722	850	850	850	850	850	850
United States	9034	9869	11529	6137	4576	3436	2605	3994	4744
<b>Total Demand</b>	<b>30477</b>	<b>32511</b>	<b>33696</b>	<b>30139</b>	<b>30212</b>	<b>30330</b>	<b>30533</b>	<b>32898</b>	<b>34736</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	104.45	111.12	120.14	105.77	105.95	106.09	106.24	112.83	118.84
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	1.84	3.36	2.48	4.50	4.50	4.02	4.02	0.00	0.00
<b>Natural Gas</b>	0.05	0.05	0.05	0.05	0.05	0.41	0.72	4.33	4.62
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.43	0.49	0.27	0.27	0.27	0.27	0.27	0.27	0.27
<b>Renewable Fuels</b>									
Biomass	0.61	0.69	0.57	0.66	0.69	0.85	1.27	1.94	2.52
Wind	0.00	0.00	0.00	0.00	0.03	0.13	0.30	0.55	0.71
<b>Total</b>	<b>107.38</b>	<b>115.71</b>	<b>123.50</b>	<b>111.25</b>	<b>111.49</b>	<b>111.77</b>	<b>112.82</b>	<b>119.90</b>	<b>126.95</b>



<b>Combustion Turbines</b>									
Natural Gas	148	146	99	51	74	235	429	595	760
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	32	41	34	37	37	37	37	37	37
<b>Renewable Fuels</b>									
Biomass	188	191	176	391	398	429	499	600	718
Wind	0	0	0	3	16	29	54	100	159
<b>Total Energy Generation</b>	<b>16544</b>	<b>16703</b>	<b>16816</b>	<b>18586</b>	<b>19913</b>	<b>20876</b>	<b>21992</b>	<b>23042</b>	<b>24029</b>
<b>Imports</b>									
Manitoba	1226	1477	722	850	850	850	850	850	850
Alberta	58	222	116	0	0	0	0	0	0
United States	73	214	302	80	80	80	80	80	80
<b>Total Supply</b>	<b>17901</b>	<b>18616</b>	<b>17956</b>	<b>19516</b>	<b>20843</b>	<b>21806</b>	<b>22922</b>	<b>23972</b>	<b>24959</b>
<b>Domestic Consumption</b>	<b>16400</b>	<b>17133</b>	<b>17666</b>	<b>18866</b>	<b>20193</b>	<b>21336</b>	<b>22452</b>	<b>23502</b>	<b>24489</b>
<b>Exports</b>									
Manitoba	1107	1100	0	350	350	350	350	350	350
Alberta	239	86	179	180	180	0	0	0	0
United States	155	297	111	120	120	120	120	120	120
<b>Total Demand</b>	<b>17901</b>	<b>18616</b>	<b>17956</b>	<b>19516</b>	<b>20843</b>	<b>21806</b>	<b>22922</b>	<b>23972</b>	<b>24959</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	14.83	15.75	14.35	14.36	14.39	14.47	14.55	14.63	14.70
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	72.72	72.79	142.81	139.11	147.66	142.11	136.60	135.53	122.05
<b>Natural Gas</b>	8.42	9.71	9.13	18.10	23.14	29.81	38.50	37.00	42.13
<b>Oil</b>									
Heavy Fuel Oil	0.28	0.29	0.34	0.36	0.36	0.36	0.36	0.36	0.36
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.32	0.41	0.34	0.37	0.37	0.37	0.37	0.37	0.37
<b>Renewable Fuels</b>									
Biomass	1.69	1.72	1.58	3.52	3.58	3.86	4.49	5.40	6.46
Wind	0.00	0.00	0.00	0.01	0.06	0.10	0.19	0.36	0.57
<b>Total</b>	<b>98.27</b>	<b>100.68</b>	<b>168.54</b>	<b>175.84</b>	<b>189.57</b>	<b>191.09</b>	<b>195.06</b>	<b>193.66</b>	<b>186.65</b>





<b>Combustion Turbines</b>									
Natural Gas	2614	2498	1684	1701	1773	2067	3037	3976	4445
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	92	106	33	33	33	33	33	33	33
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	13	13	16	16	16	16	16	16	16
<b>Renewable Fuels</b>									
Biomass	1223	1141	997	1222	1230	1247	1447	1897	2158
Wind	45	45	45	56	98	115	362	720	894
<b>Total Energy Generation</b>	<b>53585</b>	<b>52961</b>	<b>54052</b>	<b>58401</b>	<b>62514</b>	<b>64272</b>	<b>69412</b>	<b>74350</b>	<b>78704</b>
<b>Imports</b>									
Saskatchewan	239	86	179	180	180	0	0	0	0
British Columbia	489	2192	1939	1000	1000	1000	1000	1000	1000
<b>Total Supply</b>	<b>54313</b>	<b>55239</b>	<b>56170</b>	<b>59581</b>	<b>63694</b>	<b>65272</b>	<b>70412</b>	<b>75350</b>	<b>79704</b>
<b>Domestic Consumption</b>	<b>52609</b>	<b>54618</b>	<b>55240</b>	<b>58581</b>	<b>62694</b>	<b>64272</b>	<b>69412</b>	<b>74350</b>	<b>78704</b>
<b>Exports</b>									
Saskatchewan	58	222	116	0	0	0	0	0	0
British Columbia	1646	399	814	1000	1000	1000	1000	1000	1000
<b>Total Demand</b>	<b>54313</b>	<b>55239</b>	<b>56170</b>	<b>59581</b>	<b>63694</b>	<b>65272</b>	<b>70412</b>	<b>75350</b>	<b>79704</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	7.88	8.14	8.07	8.16	8.51	8.76	9.50	10.08	10.08
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	485.27	477.20	465.12	469.51	429.81	421.52	404.58	389.13	361.75
<b>Natural Gas</b>	45.55	54.40	79.96	87.42	122.27	130.26	168.74	201.07	218.59
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.15	0.15	0.19	0.19	0.19	0.19	0.19	0.19	0.19
<b>Renewable Fuels</b>									
Biomass	11.01	10.27	8.97	11.00	11.07	11.22	13.02	17.07	19.42
Wind	0.16	0.16	0.16	0.20	0.35	0.41	1.30	2.59	3.22
<b>Total</b>	<b>550.02</b>	<b>550.32</b>	<b>562.48</b>	<b>576.49</b>	<b>572.21</b>	<b>572.37</b>	<b>597.35</b>	<b>620.14</b>	<b>613.26</b>



<b>Combustion Turbines</b>									
Natural Gas	880	831	856	856	911	1253	1604	1895	2104
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	14	14	30	30	30	30	30	30	30
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	66	76	52	52	52	52	52	52	52
<b>Renewable Fuels</b>									
Biomass	2000	2000	2811	2811	2823	2881	3037	3253	3384
Wind	0	0	0	0	24	112	269	474	562
<b>Total Energy Generation</b>	<b>60006</b>	<b>72724</b>	<b>65118</b>	<b>69498</b>	<b>72847</b>	<b>73699</b>	<b>74648</b>	<b>75524</b>	<b>76951</b>
<b>Imports</b>									
Alberta	1646	399	814	1000	1000	1000	1000	1000	1000
United States	4739	2595	3589	2401	4614	4484	4484	6134	6984
<b>Total Supply</b>	<b>66391</b>	<b>75718</b>	<b>69521</b>	<b>72899</b>	<b>78461</b>	<b>79183</b>	<b>80132</b>	<b>82658</b>	<b>84935</b>
<b>Domestic Consumption</b>	<b>62420</b>	<b>65486</b>	<b>60939</b>	<b>62635</b>	<b>68632</b>	<b>72390</b>	<b>75839</b>	<b>78665</b>	<b>80860</b>
<b>Exports</b>									
Alberta	489	2192	1939	1000	1000	1000	1000	1000	1000
United States	3482	8040	6643	9264	8829	5793	3293	2993	3075
<b>Total Demand</b>	<b>66391</b>	<b>75718</b>	<b>69521</b>	<b>72899</b>	<b>78461</b>	<b>79183</b>	<b>80132</b>	<b>82658</b>	<b>84935</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	180.65	243.61	162.56	171.81	173.35	173.78	174.28	174.61	174.61
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	10.95	11.48	11.30	11.48	11.48
<b>Natural Gas</b>	52.44	19.89	22.68	32.77	42.64	44.66	46.05	47.99	57.96
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.51	1.02	0.46	0.46	0.46	0.46	0.46	0.46	0.46
<b>Renewable Fuels</b>									
Biomass	18.00	18.00	25.30	25.30	25.41	25.93	27.33	29.28	30.46
Wind	0.00	0.00	0.00	0.00	0.09	0.40	0.97	1.71	2.02
<b>Total</b>	<b>251.61</b>	<b>282.51</b>	<b>211.00</b>	<b>230.34</b>	<b>252.90</b>	<b>256.72</b>	<b>260.39</b>	<b>265.53</b>	<b>277.00</b>



<b>Combustion Turbines</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	72	139	114	83	114	136	157	172	185
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	0	1	1
Wind	0	0	0	0	0	0	0	1	1
<b>Total Energy Generation</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>494</b>
<b>Imports</b>	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>494</b>
<b>Domestic Consumption</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>494</b>
<b>Exports</b>	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>386</b>	<b>501</b>	<b>373</b>	<b>383</b>	<b>419</b>	<b>442</b>	<b>463</b>	<b>481</b>	<b>494</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	1.13	1.30	0.93	1.08	1.10	1.10	1.10	1.11	1.11
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	0.91	1.76	1.45	1.05	1.45	1.73	1.99	2.18	2.35
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>2.04</b>	<b>3.07</b>	<b>2.38</b>	<b>2.13</b>	<b>2.55</b>	<b>2.83</b>	<b>3.10</b>	<b>3.30</b>	<b>3.47</b>



<b>Combustion Turbines</b>									
Natural Gas	100	104	101	101	101	101	101	101	101
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	0	0	0	0	0	0	0	0	0
<b>Internal Combustion</b>									
Natural Gas	0	0	0	0	0	0	0	0	0
Heavy Fuel Oil	0	0	0	0	0	0	0	0	0
Light Fuel Oil	0	0	0	0	0	0	0	0	0
Diesel	505	468	352	358	432	477	515	547	572
<b>Renewable Fuels</b>									
Biomass	0	0	0	0	0	0	1	1	2
Wind	0	0	0	0	0	0	1	2	3
<b>Total Energy Generation</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<b>Imports</b>	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<b>Domestic Consumption</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<b>Exports</b>	0	0	0	0	0	0	0	0	0
<b>Total Demand</b>	<b>809</b>	<b>836</b>	<b>745</b>	<b>765</b>	<b>839</b>	<b>885</b>	<b>927</b>	<b>961</b>	<b>988</b>
<hr/>									
<b>Section 3: Primary Energy (PJ)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Hydro</b>	0.73	0.95	0.92	0.97	0.97	0.98	0.98	0.99	0.99
<b>Nuclear (Uranium)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coal</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Natural Gas</b>	1.63	1.49	1.01	1.01	1.01	1.01	1.01	1.01	1.01
<b>Oil</b>									
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	5.95	3.91	2.75	2.84	4.05	4.78	5.39	5.91	6.32
<b>Renewable Fuels</b>									
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
<b>Total</b>	<b>8.32</b>	<b>6.36</b>	<b>4.68</b>	<b>4.83</b>	<b>6.03</b>	<b>6.76</b>	<b>7.40</b>	<b>7.93</b>	<b>8.34</b>

[1] Values include those for orimulsion

Table A5.1: Supply Cost

	Case 1 Resources (Tcf)	Case 1 Supply cost (US\$(97)/Mcf)	Case 2 Resources (Tcf)	Case 2 Supply cost (US\$(97)/Mcf)		Case 1 Resources (Tcf)	Case 1 Supply cost (US\$(97)/Mcf)	Case 2 Resources (Tcf)	Case 2 Supply cost (US\$(97)/Mcf)
<b>Alberta Deep</b>	0	1.05	0	1.30	<b>British Columbia</b>	0	0.85	0	0.86
	3	1.31	3	1.56		1	0.86	1	0.90
	6	1.26	5	2.02		2	0.87	2	1.20
	8	1.38	6	2.53		3	0.95	3	1.30
	11	1.60	7	2.75		4	1.05	5	1.40
	12	2.45	10	3.02		5	1.06	6	1.45
	13	2.80	11	3.50		7	1.08	7	1.50
						8	1.11	8	1.55
						9	1.16	10	1.70
<b>Alberta Medium</b>	0	0.92	0	1.20		11	1.20	11	1.73
	2	0.93	1	1.26		12	1.27	12	1.79
	4	0.98	4	1.31		13	1.38	14	1.84
	7	1.00	6	1.36		15	1.42	15	1.90
	10	1.03	9	1.42		16	1.45	17	2.00
	12	1.07	11	1.45		18	1.48	18	2.30
	15	1.09	14	1.48		19	1.52	20	2.40
	17	1.13	17	1.51		21	1.57	21	2.80
	20	1.24	20	1.53		22	1.61		
	23	1.34	22	1.78		24	1.66		
	26	1.37	24	1.84		26	1.70		
	29	1.41	26	1.91		28	1.77		
	32	1.44	28	1.98		29	1.85		
	35	1.48	30	2.05		31	2.03		
	37	1.53	30	2.15		33	2.21		
	38	1.58	30	2.25		35	2.39		
	39	1.64	31	2.36		37	2.64		
	40	1.69	31	2.47					
	41	1.75	31	2.55	<b>Saskatchewan</b>	0.0	1.10	0.0	1.31
	43	1.82	33	2.70		0.0	1.10	0.2	1.40
	45	1.89	35	2.90		0.3	1.10	0.6	1.60
	47	1.96	43	3.10		0.7	1.12	0.9	1.87
	49	2.03	45	3.50		1.0	1.17	1.2	1.92
	51	2.11				1.3	1.37	1.4	2.10
	54	2.16				1.6	1.49	1.6	2.20
	56	2.21				1.9	1.61	1.8	2.30
	59	2.26				2.1	2.30	2.0	2.63
	62	2.31							
	65	2.37							
	67	2.41							
	68	2.46							
	70	2.51							
	77	2.75							



	Case 1 Resources (Tcf)	Case 1 Supply cost (US\$(97)/Mcf)	Case 2 Resources (Tcf)	Case 2 Supply cost (US\$(97)/Mcf)		Case 1 Resources (Tcf)	Case 1 Supply cost (US\$(97)/Mcf)	Case 2 Resources (Tcf)	Case 2 Supply cost (US\$(97)/Mcf)
<b>Alberta Shallow</b>	0	0.99	0	1.21	<b>Scotian Shelf</b>	0	2.03	0	2.35
	20	1.16	0	1.23		1	2.04	1	2.39
	21	1.18	1	1.27		3	2.06	2	2.43
	22	1.21	2	1.31		4	2.07	3	2.47
	24	1.23	3	1.33		4	2.08	4	2.51
	25	1.25	3	1.34		5	2.10	5	2.55
	26	1.26	3	1.37		6	2.17	6	2.68
	27	1.28	4	1.37		7	2.25	6	2.96
	29	1.29	4	1.39		8	2.33	6	2.96
	30	1.31	4	1.40		9	2.41	7	3.11
	31	1.34	5	1.42		10	2.49	7	3.15
	33	1.38	6	1.44		11	2.58	8	3.20
	34	1.41	7	1.49		12	2.67	8	3.25
	35	1.44	9	1.51		12	2.76	8	3.26
	37	1.48	10	1.56		13	2.86	9	3.28
	38	1.53	12	1.58		14	2.92	9	3.30
	40	1.58	14	1.63		15	2.98	10	3.41
	41	1.63	16	1.70		16	3.24	10	3.52
	43	1.69	18	1.82		17	3.40	14	3.63
	45	1.95	21	2.10		18	3.67	18	4.50
	45	2.43	26	3.25					
	49	3.00							
<b>Alberta CBM</b>	0	1.50	0	1.70	<b>Mackenzie Delta</b>	0	0.90	0	1.00
	20	1.55	20	1.78		5	0.92	5	1.05
	23	1.65	23	1.88		7	0.94	7	1.07
	29	1.76	29	1.97		10	0.98	10	1.10
	31	1.82	31	2.08		13	1.03	13	1.19
	33	1.89	33	2.18		20	1.06	20	1.26
	35	1.96	35	2.30		25	1.13	25	1.34
	38	2.03	38	2.42		30	1.33	30	1.68
	41	2.11	41	2.51		35	1.43	35	1.86
	43	2.16	43	2.57		40	1.50	40	2.01
	46	2.21	46	2.71		45	1.70	45	2.34
	49	2.26	49	2.85		50	2.11	50	2.99
	52	2.32	52	2.96		60	2.76	60	4.03
	55	2.37	55	3.08					
	56	2.42	56	3.18					
	58	2.46	58	3.29					
	59	2.51	59	3.40					
	60	2.56	60	3.52					
	61	2.61	61	3.70					
	63	2.85	63	4.09					
	73	4.00	73	5.83					

Table A5.2: Ultimate Potential Gas Resources, metric units

(billion cubic metres Year-end 1997)	Discovered Marketable Resources			Total	Undiscovered Resource	Ultimate Resource Potential
	Cumulative Production	Remaining Established Reserves	Unconnected Reserves [1], [2]			
<b>Case 1</b>						
<b>Total Canada</b>	<b>2918</b>	<b>1445</b>	<b>1246</b>	<b>5609</b>	<b>15156</b>	<b>20765</b>
<b>WCSB Conventional</b>	<b>2890</b>	<b>1360</b>	<b>255</b>	<b>4504</b>	<b>4986</b>	<b>9502</b>
Alberta	2436	1076	227	3739	3909	7649
British Columbia	340	198	28	567	850	1416
Saskatchewan	113	85	0	198	57	255
Southern Territories	12	2	0	14	170	184
<b>WCSB Unconventional</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2125</b>	<b>2125</b>
<b>Other Conventional</b>	<b>28</b>	<b>85</b>	<b>57</b>	<b>170</b>	<b>397</b>	<b>574</b>
Ontario	28	8	0	36	28	64
Scotian Shelf	0	85	57	142	368	510
<b>Frontier</b>	<b>0</b>	<b>0</b>	<b>935</b>	<b>935</b>	<b>7649</b>	<b>8584</b>
Grand Banks/Labrador	0	0	255	255	1020	1275
Mackenzie/Beaufort	0	0	255	255	1558	1813
Arctic Islands	0	0	397	397	2266	2663
Other Yukon/NWT	0	0	28	28	283	312
Other Frontier	0	0	0	0	2521	2521
<b>Case 2</b>						
<b>Total Canada</b>	<b>2918</b>	<b>1445</b>	<b>1246</b>	<b>5609</b>	<b>13144</b>	<b>18754</b>
<b>WCSB Conventional</b>	<b>2890</b>	<b>1360</b>	<b>255</b>	<b>4504</b>	<b>2975</b>	<b>7493</b>
Alberta	2436	1076	227	3739	2323	6062
British Columbia	340	198	28	567	482	1048
Saskatchewan	113	85	0	198	57	255
Southern Territories	12	2	0	14	113	127
<b>WCSB Unconventional</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2125</b>	<b>2125</b>
<b>Other Conventional</b>	<b>28</b>	<b>85</b>	<b>57</b>	<b>170</b>	<b>397</b>	<b>574</b>
Ontario	28	8	0	36	28	64
Scotian Shelf	0	85	57	142	368	510
<b>Frontier</b>	<b>0</b>	<b>0</b>	<b>935</b>	<b>935</b>	<b>7649</b>	<b>8584</b>
Grand Banks/Labrador	0	0	255	255	1020	1275
Mackenzie/Beaufort	0	0	255	255	1558	1813
Arctic Islands	0	0	397	397	2266	2663
Other Yukon/NWT	0	0	28	28	283	312
Other Frontier	0	0	0	0	2521	2521

[1] Unconnected reserves are part of the established reserves that are not connected to a transportation system

[2] For Other Conventional and Frontier Resources this refers to Discovered Resources

Table A5.3a: Marketable Natural Gas Production, Case 1

(Tcf)	1995	1996	1997	2000	2005	2010	2015	2020	2025
Southern Territories	0.02	0.02	0.02	0.01	0.01	0.04	0.18	0.33	0.24
Mackenzie Delta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
British Columbia	0.62	0.65	0.67	0.82	1.01	1.15	1.30	1.40	1.19
Alberta Conventional	4.37	4.68	4.68	5.16	5.88	6.33	6.33	5.51	4.02
Alberta Unconventional	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.77	3.68
Saskatchewan	0.26	0.25	0.24	0.27	0.30	0.22	0.08	0.06	0.04
Ontario	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Scotian Shelf	0.00	0.00	0.00	0.14	0.21	0.39	0.56	0.64	0.70
<b>Total Canada</b>	<b>5.29</b>	<b>5.60</b>	<b>5.61</b>	<b>6.41</b>	<b>7.41</b>	<b>8.14</b>	<b>8.99</b>	<b>9.71</b>	<b>9.87</b>
<b>(million of cubic metres)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Southern Territories	0.6	0.6	0.5	0.4	0.3	1.1	5.1	9.5	6.9
Mackenzie Delta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
British Columbia	17.6	18.3	19.1	23.3	28.6	32.5	36.7	39.7	33.6
Alberta Conventional	123.7	132.6	132.4	146.1	166.6	179.5	179.2	156.0	113.9
Alberta Unconventional	0.0	0.0	0.0	0.0	0.0	0.0	15.3	50.2	104.3
Saskatchewan	7.5	7.0	6.7	7.7	8.6	6.2	2.4	1.7	1.0
Ontario	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0
Scotian Shelf	0.0	0.0	0.0	4.0	5.8	11.1	15.9	18.1	19.9
<b>Total Canada</b>	<b>149.8</b>	<b>158.7</b>	<b>159.0</b>	<b>181.7</b>	<b>210.0</b>	<b>230.6</b>	<b>254.7</b>	<b>275.1</b>	<b>279.7</b>

Table A5.3b: Marketable Natural Gas Production, Case 2

(Tcf)	1995	1996	1997	2000	2005	2010	2015	2020	2025
Southern Territories	0.02	0.02	0.02	0.01	0.01	0.09	0.19	0.12	0.11
Mackenzie Delta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.55
British Columbia	0.62	0.65	0.67	0.82	1.02	1.06	1.00	0.76	0.40
Alberta Conventional	4.37	4.68	4.68	4.96	5.40	5.51	4.69	2.67	1.07
Alberta Unconventional	0.00	0.00	0.00	0.00	0.00	0.24	1.64	3.90	5.08
Saskatchewan	0.26	0.25	0.24	0.27	0.28	0.15	0.07	0.04	0.03
Ontario	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Scotian Shelf	0.00	0.00	0.00	0.18	0.24	0.40	0.49	0.47	0.43
<b>Total Canada</b>	<b>5.29</b>	<b>5.60</b>	<b>5.61</b>	<b>6.25</b>	<b>6.95</b>	<b>7.45</b>	<b>8.08</b>	<b>8.06</b>	<b>7.67</b>
<b>(million of cubic metres)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
Southern Territories	0.6	0.6	0.5	0.4	0.3	2.7	5.3	3.4	3.1
Mackenzie Delta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	15.5
British Columbia	17.6	18.3	19.1	23.2	28.8	30.0	28.2	21.5	11.3
Alberta Conventional	123.7	132.6	132.4	140.5	153.0	156.0	133.0	75.7	30.3
Alberta Unconventional	0.0	0.0	0.0	0.0	0.0	6.9	46.5	110.5	143.9
Saskatchewan	7.5	7.0	6.7	7.7	7.9	4.2	2.0	1.2	0.9
Ontario	0.5	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0
Scotian Shelf	0.0	0.0	0.0	5.0	6.8	11.3	13.8	13.3	12.2
<b>Total Canada</b>	<b>149.8</b>	<b>158.7</b>	<b>159.0</b>	<b>177.0</b>	<b>196.9</b>	<b>211.1</b>	<b>228.9</b>	<b>228.4</b>	<b>217.3</b>

Table A5.4: Successful Conventional Gas Well Completions, WCSB

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Case 1</b>									
British Columbia	245	216	271	183	223	254	309	330	230
Alberta	3151	3210	4256	4697	5715	6710	7119	6375	4525
Saskatchewan	225	296	328	305	435	240	50	40	10
<b>Total</b>	<b>3621</b>	<b>3722</b>	<b>4855</b>	<b>5185</b>	<b>6373</b>	<b>7204</b>	<b>7478</b>	<b>6745</b>	<b>4765</b>
<b>Case 2</b>									
British Columbia	245	216	271	185	214	255	241	165	70
Alberta	3151	3210	4256	4232	4775	5425	4544	2130	560
Saskatchewan	225	296	328	305	325	100	20	0	0
<b>Total</b>	<b>3621</b>	<b>3722</b>	<b>4855</b>	<b>4722</b>	<b>5314</b>	<b>5780</b>	<b>4805</b>	<b>2295</b>	<b>630</b>

Table A6.1: Ethane Supply, Demand and Potential Exports

(thousand cubic metres per day)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Case 1</b>									
<b>Total Supply</b>	<b>31.3</b>	<b>32.4</b>	<b>32.9</b>	<b>45.9</b>	<b>57.3</b>	<b>57.9</b>	<b>60.6</b>	<b>54.4</b>	<b>50.6</b>
British Columbia	0.0	0.0	0.0	5.1	6.9	6.9	8.5	8.7	9.1
Alberta	31.3	32.4	32.9	38.6	47.6	47.4	48.5	41.3	36.4
Saskatchewan	0.0	0.0	0.0	1.4	1.7	1.2	0.6	0.5	0.0
Scotian Shelf	0.0	0.0	0.0	0.9	1.1	2.3	3.0	3.8	5.1
<b>Demand</b>	<b>29.2</b>	<b>30.3</b>	<b>30.5</b>	<b>40.4</b>	<b>54.8</b>	<b>53.1</b>	<b>55.1</b>	<b>45.4</b>	<b>45.4</b>
<b>Potential Exports</b>	<b>2.1</b>	<b>2.1</b>	<b>2.4</b>	<b>5.6</b>	<b>2.5</b>	<b>4.8</b>	<b>5.5</b>	<b>9.0</b>	<b>5.2</b>
<b>Case 2</b>									
<b>Total Supply</b>	<b>31.3</b>	<b>32.4</b>	<b>32.9</b>	<b>45.8</b>	<b>55.9</b>	<b>55.3</b>	<b>51.9</b>	<b>36.4</b>	<b>23.7</b>
British Columbia	0.0	0.0	0.0	5.5	7.3	7.7	8.3	6.9	5.2
Alberta	31.3	32.4	32.9	38.0	45.8	44.8	39.4	25.5	13.5
Saskatchewan	0.0	0.0	0.0	1.4	1.4	0.6	0.5	0.4	0.2
Scotian Shelf	0.0	0.0	0.0	0.9	1.4	2.2	3.6	3.6	4.7
<b>Demand</b>	<b>29.2</b>	<b>30.3</b>	<b>30.5</b>	<b>40.4</b>	<b>47.6</b>	<b>45.9</b>	<b>48.0</b>	<b>38.3</b>	<b>38.3</b>
<b>Potential Exports (Imports)</b>	<b>2.1</b>	<b>2.1</b>	<b>2.4</b>	<b>5.4</b>	<b>8.3</b>	<b>9.4</b>	<b>3.9</b>	<b>(1.8)</b>	<b>(14.5)</b>

Table A6.2: Propane Supply, Demand and Potential Exports

(thousand cubic metres per day)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Case 1</b>									
<b>Total Supply</b>	<b>33.6</b>	<b>34.1</b>	<b>33.8</b>	<b>37.4</b>	<b>43.8</b>	<b>48.3</b>	<b>50.0</b>	<b>46.0</b>	<b>37.2</b>
British Columbia	0.9	1.0	1.1	1.4	1.8	2.0	2.3	2.4	2.1
Alberta	28.7	29.1	28.4	31.3	35.7	38.5	38.5	33.5	24.4
Saskatchewan	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.1	0.1
Scotian Shelf	0.0	0.0	0.0	0.0	1.2	2.4	3.8	4.4	4.8
Refineries	3.8	3.7	3.9	4.2	4.6	4.9	5.3	5.6	5.9
<b>Demand</b>	<b>13.7</b>	<b>13.6</b>	<b>13.7</b>	<b>14.3</b>	<b>15.5</b>	<b>16.8</b>	<b>18.0</b>	<b>19.0</b>	<b>19.9</b>
<b>Potential Exports</b>	<b>19.9</b>	<b>20.6</b>	<b>20.1</b>	<b>23.1</b>	<b>28.3</b>	<b>31.5</b>	<b>32.0</b>	<b>27.0</b>	<b>17.3</b>
<b>Case 2</b>									
<b>Total Supply</b>	<b>33.6</b>	<b>34.1</b>	<b>33.8</b>	<b>37.3</b>	<b>40.6</b>	<b>42.4</b>	<b>38.4</b>	<b>25.5</b>	<b>14.8</b>
British Columbia	0.9	1.0	1.1	1.4	1.8	1.9	2.1	1.5	0.9
Alberta	28.7	29.1	28.4	30.1	32.8	33.5	28.5	16.3	6.5
Saskatchewan	0.3	0.3	0.4	0.5	0.5	0.3	0.1	0.1	0.1
Scotian Shelf	0.0	0.0	0.0	1.2	1.5	2.6	3.4	3.3	3.1
Refineries	3.8	3.7	3.9	4.0	4.1	4.2	4.3	4.3	4.2
<b>Demand</b>	<b>13.7</b>	<b>13.6</b>	<b>13.7</b>	<b>14.2</b>	<b>15.2</b>	<b>16.2</b>	<b>17.1</b>	<b>17.9</b>	<b>18.6</b>
<b>Potential Exports (Imports)</b>	<b>19.9</b>	<b>20.6</b>	<b>20.1</b>	<b>23.1</b>	<b>25.4</b>	<b>26.2</b>	<b>21.3</b>	<b>7.6</b>	<b>(3.8)</b>

Table A6.3: Butanes Supply, Demand and Potential Exports

(thousand cubic metres per day)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Case 1</b>									
<b>Total Supply</b>	<b>17.3</b>	<b>16.6</b>	<b>17.5</b>	<b>18.8</b>	<b>22.1</b>	<b>24.3</b>	<b>25.1</b>	<b>23.0</b>	<b>18.5</b>
British Columbia	0.5	0.6	0.7	0.6	0.7	0.8	0.9	1.0	0.8
Alberta	15.1	14.3	14.7	16.0	18.3	19.7	19.7	17.1	12.5
Saskatchewan	0.2	0.2	0.2	0.3	0.3	0.3	0.1	0.1	0.0
Scotian Shelf	0.0	0.0	0.0	0.0	0.6	1.2	1.9	2.2	2.4
Refineries	1.5	1.5	1.8	2.0	2.2	2.3	2.5	2.6	2.8
<b>Demand</b>	<b>10.9</b>	<b>9.5</b>	<b>10.9</b>	<b>11.6</b>	<b>12.9</b>	<b>13.4</b>	<b>14.4</b>	<b>15.4</b>	<b>16.4</b>
<b>Potential Exports</b>	<b>6.4</b>	<b>7.0</b>	<b>6.6</b>	<b>7.2</b>	<b>9.1</b>	<b>10.9</b>	<b>10.7</b>	<b>7.6</b>	<b>2.1</b>
<b>Case 2</b>									
<b>Total Supply</b>	<b>17.3</b>	<b>16.6</b>	<b>17.5</b>	<b>18.8</b>	<b>20.4</b>	<b>21.3</b>	<b>19.2</b>	<b>12.7</b>	<b>7.4</b>
British Columbia	0.5	0.6	0.7	0.6	0.7	0.8	0.8	0.6	0.4
Alberta	15.1	14.3	14.7	15.4	16.8	17.1	14.6	8.3	3.3
Saskatchewan	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0
Scotian Shelf	0.0	0.0	0.0	0.6	0.7	1.3	1.7	1.6	1.6
Refineries	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.1	2.1
<b>Demand</b>	<b>10.9</b>	<b>9.5</b>	<b>10.9</b>	<b>11.6</b>	<b>12.8</b>	<b>13.0</b>	<b>13.6</b>	<b>14.2</b>	<b>14.7</b>
<b>Potential Exports (Imports)</b>	<b>6.4</b>	<b>7.0</b>	<b>6.6</b>	<b>7.2</b>	<b>7.7</b>	<b>8.3</b>	<b>5.6</b>	<b>(1.5)</b>	<b>(7.3)</b>



Table A7.1: Future Pool Size Distribution, Devonian Play

Size (10 <sup>3</sup> m <sup>3</sup> )	Cumulative Probability (Percent)	Percentage of Pools (Percent)	Number of Pools	Future Potential (10 <sup>3</sup> m <sup>3</sup> )	Average Size (10 <sup>3</sup> m <sup>3</sup> )
>=1	99.92	5.85	194	116	1
10	94.45	45.40	1506	7389	5
20	88.50	16.76	556	8062	14
50	74.42	18.81	624	19117	31
100	64.96	5.49	182	12790	70
200	49.13	4.61	153	21503	141
500	35.19	2.05	68	19136	281
1000	24.36	0.60	20	15152	758
2000	18.30	0.21	7	9032	1290
5000	3.62	0.21	7	22904	3272
10000	0.00	0.00	0	0	-
<b>Total</b>	-	<b>100.00</b>	<b>3317</b>	<b>135200</b>	-

**Future Potential Devonian Oil Pools Statistics**

Number of Pools:	3317
Size of Largest Pool (thousand metres cubes):	4889
Size of Smallest Pool (thousand metres cubes):	0.04
Size of Median Pool (thousand metres cubes):	9.6
Size of Average Pool (thousand metres cubes):	40.8

Table A7.2: Drilling Completions, Conventional Crude Oil in the WCSB

	Case 1					Case 2				
	Heavy Horizontal	Light Horizontal	Heavy Vertical	Light Vertical	Total	Heavy Horizontal	Light Horizontal	Heavy Vertical	Light Vertical	Total
1993	388	317	1202	1804	3711	388	317	1202	1804	3711
1994	438	404	1098	1646	3586	438	404	1098	1646	3586
1995	581	388	2470	1404	4843	581	388	2470	1404	4843
1996	809	540	2741	2242	6332	809	540	2741	2242	6332
1997	1158	772	3977	2652	8559	1158	772	3977	2652	8559
1998	572	381	1144	1087	3185	572	381	1144	1087	3185
1999	360	240	846	254	1700	360	240	846	254	1700
2000	741	494	1482	760	3477	717	478	1433	704	3332
2001	803	535	1605	1430	4373	765	510	1531	1337	4143
2002	856	571	1712	1446	4585	819	546	1637	1358	4360
2003	831	554	1662	1618	4666	815	543	1630	1470	4458
2004	829	553	1659	1526	4567	777	518	1554	1435	4283
2005	769	513	1538	1421	4241	729	486	1459	1297	3971
2006	724	483	1449	1266	3921	672	448	1344	1240	3704
2007	658	438	1315	1274	3685	611	407	1222	1181	3421
2008	518	345	1036	1407	3306	470	313	940	1330	3054
2009	432	288	863	1569	3151	391	261	782	1476	2909
2010	407	271	813	1341	2832	343	229	687	1273	2532
2011	332	222	665	1520	2739	272	182	545	1453	2452
2012	308	205	616	1558	2689	256	171	513	1464	2404
2013	280	187	560	1536	2562	234	156	469	1443	2303
2014	290	193	580	1509	2572	226	151	452	1436	2264
2015	267	178	534	1477	2455	213	142	426	1397	2179
2016	255	170	511	1457	2394	202	135	404	1365	2105
2017	237	158	473	1408	2276	187	125	375	1337	2024
2018	220	147	440	1398	2206	174	116	347	1302	1938
2019	196	131	392	1389	2107	152	101	304	1304	1862
2020	180	120	360	1373	2033	139	93	279	1277	1788
2021	164	109	328	1302	1903	123	82	247	1217	1669
2022	146	97	292	1312	1848	109	73	219	1220	1620
2023	137	91	274	1252	1754	101	68	203	1159	1530
2024	124	83	248	1229	1684	91	61	182	1134	1467
2025	119	79	237	1181	1616	86	57	171	1090	1403

Table A7.3a: Crude Oil Supply, Case 1

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Crude Oil supply</b>									
Conventional Light	145.1	140.0	134.7	137.1	163.8	156.2	140.8	101.4	74.6
WCSB - Light	140.8	136.3	132.0	112.6	104.7	86.2	70.8	58.3	48.1
British Columbia	5.6	6.1	6.9	7.5	7.5	6.2	5.0	4.0	3.3
Alberta	113.1	108.1	102.3	83.9	77.8	64.2	52.8	43.6	36.0
Saskatchewan	15.8	16.1	16.7	15.6	14.6	11.8	9.6	7.7	6.3
Manitoba	1.8	1.7	1.7	1.6	1.3	0.9	0.7	0.5	0.4
Northwest Territories	4.7	4.5	4.3	4.0	3.5	3.1	2.8	2.4	2.2
Eastern Canada	4.3	3.7	2.7	24.5	59.1	70.0	70.0	43.1	26.6
Northern Frontier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pentanes Plus	24.1	25.7	25.7	28.4	33.3	36.3	37.7	35.0	27.7
WCSB	24.1	25.7	25.7	28.4	32.3	34.8	35.0	31.1	23.3
Eastern Canada	0.0	0.0	0.0	0.0	1.0	1.4	2.7	3.9	4.5
WCSB - Heavy	73.4	82.2	88.4	83.3	83.9	63.9	38.7	24.3	15.7
Alberta	38.7	41.6	42.5	38.3	37.5	24.3	12.5	6.8	3.8
Saskatchewan	34.8	40.6	46.0	45.0	46.4	39.6	26.2	17.5	11.8
Oil Sands	66.9	68.4	81.0	108.0	185.6	223.0	250.0	276.4	285.8
Upgraded	43.2	42.3	43.2	59.2	111.1	134.1	146.7	166.0	169.7
Bitumen	23.7	26.1	37.8	48.8	74.5	88.9	103.3	110.5	116.1
<b>Total</b>	<b>309.6</b>	<b>316.3</b>	<b>329.9</b>	<b>356.8</b>	<b>466.6</b>	<b>479.4</b>	<b>467.2</b>	<b>437.1</b>	<b>403.8</b>
<b>Regional Upgrading</b>									
Gross Diluent Requirement	15.0	16.6	21.8	23.2	32.5	36.3	39.8	41.4	42.9
Upgrader Blend Feedstock	15.6	19.1	17.5	19.4	32.1	44.8	44.8	44.8	44.8
Upgrader Production	13.8	16.9	15.5	17.2	28.4	39.6	39.6	39.6	39.6
Recycled Diluent	2.8	3.3	3.3	3.9	6.9	10.4	11.8	12.6	13.1
<b>Net Available Crude Oil Supply</b>									
Conventional Light	145.1	140.0	134.7	137.1	163.8	156.2	140.8	101.4	74.6
Upgraded [1]	57.0	59.2	58.7	76.4	139.5	173.8	186.3	205.6	209.3
Pentanes Plus [2]	11.9	12.4	7.3	9.1	7.7	10.4	9.7	6.1	-2.0
Light Crude Oil and Equivalent	214.0	211.6	200.7	222.7	311.0	340.4	336.8	313.2	281.9
Blended Heavy Oil [3]	96.5	105.8	130.5	135.9	158.8	144.3	137.0	131.3	129.8
<b>Total</b>	<b>310.6</b>	<b>317.4</b>	<b>331.2</b>	<b>358.5</b>	<b>469.8</b>	<b>484.7</b>	<b>473.8</b>	<b>444.5</b>	<b>584.1</b>

[1] (Oil sands upgraded supply) + (Upgrader production)

[2] (Pentanes plus supply) - (Gross diluent requirements) + (Recycled diluent)

[3] (Heavy crude oil supply) + (Bitumen supply) - (Upgrader Blend feedstock) + (Gross diluent requirement)

Table A7.3b: Crude Oil Supply, Case 2

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Crude Oil supply</b>									
Conventional Light	145.1	140.0	134.7	136.0	155.2	142.2	126.6	92.4	68.5
WCSB - Light	140.8	136.3	132.0	111.5	101.1	82.2	66.6	54.0	43.9
British Columbia	5.6	6.1	6.9	7.4	7.2	5.9	4.7	3.8	3.0
Alberta	113.1	108.1	102.3	83.0	75.0	61.2	49.7	40.5	33.0
Saskatchewan	15.8	16.1	16.7	15.5	14.1	11.1	8.8	6.9	5.5
Manitoba	1.8	1.7	1.7	1.6	1.2	0.9	0.7	0.5	0.4
Northwest Territories	4.7	4.5	4.3	4.0	3.5	3.1	2.7	2.3	2.1
Eastern Canada	4.3	3.7	2.7	24.5	54.1	60.0	60.0	38.4	24.5
Northern Frontier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pentanes Plus	24.1	25.7	25.7	28.7	31.4	33.1	30.0	19.3	10.5
WCSB	24.1	25.7	25.7	27.4	30.0	30.6	26.6	16.0	7.3
Eastern Canada	0.0	0.0	0.0	1.2	1.5	2.6	3.4	3.3	3.1
WCSB - Heavy	73.4	82.2	88.4	82.5	81.4	60.0	34.1	20.1	12.3
Alberta	38.7	41.6	42.5	37.9	36.6	22.6	9.9	4.8	2.5
Saskatchewan	34.8	40.6	46.0	44.6	44.8	37.5	24.2	15.3	9.8
Oil Sands	66.9	68.4	81.0	107.7	156.1	182.0	206.8	224.0	230.0
Upgraded	43.2	42.3	43.2	59.2	87.3	103.1	117.9	131.2	134.9
Bitumen	23.7	26.1	37.8	48.5	68.8	78.9	88.9	92.8	95.1
<b>Total</b>	<b>309.6</b>	<b>316.3</b>	<b>329.9</b>	<b>354.9</b>	<b>424.2</b>	<b>417.4</b>	<b>397.6</b>	<b>355.7</b>	<b>403.8</b>
<b>Regional Upgrading</b>									
Gross Diluent Requirement	15.0	16.6	21.8	23.0	30.3	32.5	34.3	34.8	35.1
Upgrader Blend Feedstock	15.6	19.1	17.5	19.4	32.1	32.1	44.8	44.8	44.8
Upgrader Production	13.8	16.9	15.5	17.2	28.4	28.4	39.6	39.6	39.6
Recycled Diluent	2.8	3.3	3.3	3.9	6.8	7.5	11.7	12.6	13.1
<b>Net Available Crude Oil Supply</b>									
Conventional Light	145.1	140.0	134.7	136.0	155.2	142.2	126.6	92.4	68.5
Upgraded [1]	57.0	59.2	58.7	76.4	115.7	131.5	157.5	170.8	174.5
Pentanes Plus [2]	11.9	12.4	7.3	9.6	7.9	8.2	7.5	-2.9	-11.5
Light Crude Oil and Equivalent	214.0	211.6	200.7	222.0	278.8	282.0	291.6	260.3	231.5
Blended Heavy Oil [3]	96.5	105.8	130.5	134.6	148.4	139.3	112.6	102.8	97.7
<b>Total</b>	<b>310.6</b>	<b>317.4</b>	<b>331.2</b>	<b>356.6</b>	<b>427.2</b>	<b>421.2</b>	<b>404.1</b>	<b>363.1</b>	<b>584.1</b>

[1] (Oil sands upgraded supply) + (Upgrader production)

[2] (Pentanes plus supply) - (Gross diluent requirements) + (Recycled diluent)

[3] (Heavy crude oil supply) + (Bitumen supply) - (Upgrader Blend feedstock) + (Gross diluent requirement)

Table A7.3c: Crude Oil Supply, \$14 Sensitivity

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Crude Oil supply</b>									
Conventional Light	145.1	140.0	134.7	133.7	126.1	112.8	98.0	69.3	49.5
WCSB - Light	140.8	136.3	132.0	109.2	82.0	62.8	48.0	36.9	28.6
British Columbia	5.6	6.1	6.9	7.4	7.2	5.2	3.5	2.3	1.6
Alberta	113.1	108.1	102.3	80.8	56.3	44.1	34.7	27.3	21.6
Saskatchewan	15.8	16.1	16.7	15.5	14.1	10.2	7.3	5.3	3.9
Manitoba	1.8	1.7	1.7	1.6	1.2	0.7	0.4	0.3	0.2
Northwest Territories	4.7	4.5	4.3	4.0	3.2	2.6	2.0	1.6	1.3
Eastern Canada	4.3	3.7	2.7	24.5	44.1	50.0	50.0	32.4	21.0
Northern Frontier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pentanes Plus	24.1	25.7	25.7	28.7	28.5	30.2	27.0	17.3	8.4
WCSB	24.1	25.7	25.7	27.4	27.0	27.6	23.6	14.0	5.3
Eastern Canada	0.0	0.0	0.0	1.2	1.5	2.6	3.4	3.3	3.1
WCSB - Heavy	73.4	82.2	88.4	81.8	71.3	52.3	28.7	16.2	9.7
Alberta	38.7	41.6	42.5	37.7	32.4	19.5	7.5	3.2	1.5
Saskatchewan	34.8	40.6	46.0	44.1	38.9	32.9	21.2	13.0	8.1
Oil Sands	66.9	68.4	81.0	98.6	109.9	122.7	134.3	148.0	151.7
Upgraded	43.2	42.3	43.2	51.6	66.9	74.7	81.3	90.0	88.7
Bitumen	23.7	26.1	37.8	47.0	43.0	48.0	53.0	58.0	63.0
<b>Total</b>	<b>309.6</b>	<b>316.3</b>	<b>329.9</b>	<b>342.9</b>	<b>335.7</b>	<b>318.1</b>	<b>287.9</b>	<b>250.8</b>	<b>403.8</b>
<b>Regional Upgrading</b>									
Gross Diluent Requirement	15.0	16.6	21.8	22.4	20.3	20.8	21.0	22.0	23.3
Upgrader Blend Feedstock	15.6	19.1	17.5	19.4	32.1	32.1	44.8	44.8	44.8
Upgrader Production	13.8	16.9	15.5	17.2	28.4	28.4	39.6	39.6	39.6
Recycled Diluent	2.8	3.3	3.3	3.9	6.2	6.9	11.1	12.2	13.0
<b>Net Available Crude Oil Supply</b>									
Conventional Light	145.1	140.0	134.7	133.7	126.1	112.8	98.0	69.3	49.5
Upgraded [1]	57.0	59.2	58.7	68.8	95.3	103.1	120.9	129.6	128.3
Pentanes Plus [2]	11.9	12.4	7.3	10.1	14.3	16.3	17.1	7.6	-1.9
Light Crude Oil and Equivalent	214.0	211.6	200.7	212.7	235.8	232.2	235.9	206.5	175.9
Blended Heavy Oil [3]	96.5	105.8	130.5	131.9	102.5	89.1	57.9	51.4	51.2
<b>Total</b>	<b>310.6</b>	<b>317.4</b>	<b>331.2</b>	<b>344.6</b>	<b>338.2</b>	<b>321.3</b>	<b>293.8</b>	<b>257.8</b>	<b>584.1</b>

[1] (Oil sands upgraded supply) + (Upgrader production)

[2] (Pentanes plus supply) - (Gross diluent requirements) + (Recycled diluent)

[3] (Heavy crude oil supply) + (Bitumen supply) - (Upgrader Blend feedstock) + (Gross diluent requirement)

Table A7.3d: Crude Oil Supply, \$22 Sensitivity

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Crude Oil supply</b>									
Conventional Light	145.1	140.0	134.7	139.5	172.3	172.6	168.1	133.6	103.1
WCSB - Light	140.8	136.3	132.0	115.0	112.2	92.6	75.6	61.8	50.7
British Columbia	5.6	6.1	6.9	7.7	8.0	6.7	5.3	4.3	3.4
Alberta	113.1	108.1	102.3	85.7	83.6	68.9	56.3	46.1	37.8
Saskatchewan	15.8	16.1	16.7	16.0	15.6	12.8	10.4	8.4	6.9
Manitoba	1.8	1.7	1.7	1.6	1.4	1.0	0.7	0.5	0.4
Northwest Territories	4.7	4.5	4.3	4.0	3.6	3.1	2.8	2.5	2.2
Eastern Canada	4.3	3.7	2.7	24.5	60.1	80.0	80.0	46.8	27.4
Northern Frontier	0.0	0.0	0.0	0.0	0.0	0.0	12.5	25.0	25.0
Pentanes Plus	24.1	25.7	25.7	28.4	34.3	37.2	38.7	36.0	28.8
WCSB	24.1	25.7	25.7	28.4	33.3	35.8	36.0	32.1	24.3
Eastern Canada	0.0	0.0	0.0	0.0	1.0	1.4	2.7	3.9	4.5
WCSB - Heavy	73.4	82.2	88.4	85.0	90.0	72.0	43.8	26.5	16.5
Alberta	38.7	41.6	42.5	39.1	40.3	27.1	13.7	7.4	4.2
Saskatchewan	34.8	40.6	46.0	45.9	49.7	44.9	30.1	19.1	12.3
Oil Sands	66.9	68.4	81.0	109.0	203.7	285.3	354.1	401.9	427.6
Upgraded	43.2	42.3	43.2	59.2	119.1	165.7	206.5	231.8	240.5
Bitumen	23.7	26.1	37.8	49.8	84.6	119.6	147.6	170.1	187.1
<b>Total</b>	<b>309.6</b>	<b>316.3</b>	<b>329.9</b>	<b>361.9</b>	<b>500.3</b>	<b>567.2</b>	<b>566.0</b>	<b>598.0</b>	<b>403.8</b>
<b>Regional Upgrading</b>									
Gross Diluent Requirement	15.0	16.6	21.8	23.7	36.5	47.9	56.1	63.0	68.5
Upgrader Blend Feedstock	15.6	19.1	17.5	19.4	32.1	44.8	44.8	44.8	44.8
Upgrader Production	13.8	16.9	15.5	17.2	28.4	39.6	39.6	39.6	39.6
Recycled Diluent	2.8	3.3	3.3	3.9	7.0	10.8	12.2	13.0	13.4
<b>Net Available Crude Oil Supply</b>									
Conventional Light	145.1	140.0	134.7	139.5	172.3	172.6	168.1	133.6	103.1
Upgraded [1]	57.0	59.2	58.7	76.4	147.5	205.4	246.1	271.4	280.1
Pentanes Plus [2]	11.9	12.4	7.3	8.6	4.7	0.1	-5.2	-14.1	-26.3
Light Crude Oil and Equivalent	214.0	211.6	200.7	224.5	324.5	378.1	409.0	391.0	356.9
Blended Heavy Oil [3]	96.5	105.8	130.5	139.1	179.0	194.8	202.7	214.8	227.2
<b>Total</b>	<b>310.6</b>	<b>317.4</b>	<b>331.2</b>	<b>363.6</b>	<b>503.6</b>	<b>572.8</b>	<b>611.7</b>	<b>605.8</b>	<b>584.1</b>

[1] (Oil sands upgraded supply) + (Upgrader production)

[2] (Pentanes plus supply) - (Gross diluent requirements) + (Recycled diluent)

[3] (Heavy crude oil supply) + (Bitumen supply) - (Upgrader Blend feedstock) + (Gross diluent requirement)

Table A7.4: Refinery Requirements and Sources, Canada

Case 1	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	97813	100518	106955	113075	120176	126687	135165
Deduct Product Imports	-9489	-8957	-9658	-10452	-11179	-11955	-12959
Add Product Exports	17805	17600	17600	17600	17600	17600	17600
Net Regional Transfers (-In/+Out)	0	0	0	0	0	0	0
Product Inventory (+Build/-Draw)	-711	0	0	0	0	0	0
<b>Total</b>	<b>105418</b>	<b>109161</b>	<b>114897</b>	<b>120223</b>	<b>126598</b>	<b>132331</b>	<b>139806</b>
<b>Total per Day</b>	<b>288.8</b>	<b>299.1</b>	<b>314.8</b>	<b>329.4</b>	<b>346.8</b>	<b>362.6</b>	<b>383.0</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy	27.1	30.8	33.7	35.0	36.5	37.0	38.0
Light	120.4	124.4	137.3	153.3	165.8	165.6	172.3
Other Material	15.7	16.0	16.0	16.0	16.0	16.0	16.0
Imported Crude Oil							
Heavy	24.5	25.2	25.2	25.2	25.2	25.2	25.2
Light	91.7	96.5	96.4	93.6	97.2	112.5	125.3
Other Material	6.5	6.2	6.2	6.2	6.2	6.2	6.2
Inventory Change	2.9	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>288.8</b>	<b>299.1</b>	<b>314.8</b>	<b>329.4</b>	<b>346.8</b>	<b>362.6</b>	<b>383.0</b>
Case 2	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	97813	99816	104770	108293	112464	116176	120447
Deduct Product Imports	-9489	-8899	-9406	-9902	-10240	-10556	-11053
Add Product Exports	17805	17600	17600	17600	17600	17600	17600
Net Regional Transfers (-In/+Out)	0	0	0	0	0	0	0
Product Inventory (+Build/-Draw)	-711	0	0	0	0	0	0
<b>Total</b>	<b>105418</b>	<b>108517</b>	<b>112964</b>	<b>115991</b>	<b>119824</b>	<b>123220</b>	<b>126995</b>
<b>Total per Day</b>	<b>288.8</b>	<b>297.3</b>	<b>309.5</b>	<b>317.8</b>	<b>328.3</b>	<b>337.6</b>	<b>347.9</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy	27.1	30.8	33.7	35.0	36.5	37.0	38.0
Light	120.4	123.8	130.4	139.1	145.9	143.0	143.3
Other Material	15.7	16.0	16.0	16.0	16.0	16.0	16.0
Imported Crude Oil							
Heavy	24.5	25.2	25.2	25.2	25.2	25.2	25.2
Light	91.7	95.3	98.0	96.3	98.5	110.2	119.3
Other Material	6.5	6.2	6.2	6.2	6.2	6.2	6.2
Inventory Change	2.9	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>288.8</b>	<b>297.3</b>	<b>309.5</b>	<b>317.8</b>	<b>328.3</b>	<b>337.6</b>	<b>347.9</b>

[1] Includes end-use consumption, refinery LPG sales, own consumption and oil used to generate electricity and steam.

Table A7.5: Refinery Requirements and Sources, Atlantic Canada

Case 1	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	11605	11841	12023	11948	12357	12116	12537
Deduct Product Imports	-3705	-3000	-3000	-3000	-3000	-3000	-3000
Add Product Exports	11998	12000	12000	12000	12000	12000	12000
Net Regional Transfers (-In/+Out)	-375	-300	-300	-300	-300	-300	-300
Product Inventory (+Build/-Draw)	73	0	0	0	0	0	0
<b>Total</b>	<b>19596</b>	<b>20541</b>	<b>20723</b>	<b>20648</b>	<b>21057</b>	<b>20816</b>	<b>21237</b>
<b>Total per Day</b>	<b>53.7</b>	<b>56.3</b>	<b>56.8</b>	<b>56.6</b>	<b>57.7</b>	<b>57.0</b>	<b>58.2</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy	0.0	0.0	0	0.0	0.0	0.0	0.0
Light	0.0	6.1	15.0	17.9	18.2	11.8	7.8
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Imported Crude Oil							
Heavy	3.9	4.7	4.7	4.7	4.7	4.7	4.7
Light	45.2	40.8	32.4	29.4	30.2	36.0	41.1
Other Material	4.9	4.7	4.7	4.7	4.7	4.7	4.7
Inventory Change	-0.4	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>53.7</b>	<b>56.3</b>	<b>56.8</b>	<b>56.6</b>	<b>57.7</b>	<b>57.0</b>	<b>58.2</b>
Case 2	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	11605	11738	11962	11721	11902	11570	11666
Deduct Product Imports	-3705	-3000	-3000	-3000	-3000	-3000	-3000
Add Product Exports	11998	12000	12000	12000	12000	12000	12000
Net Regional Transfers (-In/+Out)	-375	-300	-300	-300	-300	-300	-300
Product Inventory (+Build/-Draw)	73	0	0	0	0	0	0
<b>Total</b>	<b>19596</b>	<b>20438</b>	<b>20662</b>	<b>20421</b>	<b>20602</b>	<b>20270</b>	<b>20366</b>
<b>Total per Day</b>	<b>53.7</b>	<b>56.0</b>	<b>56.6</b>	<b>55.9</b>	<b>56.4</b>	<b>55.5</b>	<b>55.8</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy							
Light	0.0	0.0	0	0.0	0.0	0.0	0.0
Other Material	0.0	6.4	13.9	15.7	15.9	10.4	6.9
Imported Crude Oil							
Heavy							
Light	3.9	4.7	4.7	4.7	4.7	4.7	4.7
Other Material	45.2	40.3	33.4	31.0	31.3	35.8	39.6
Inventory Change	4.9	4.7	4.7	4.7	4.7	4.7	4.7
Total Per Day	-0.4	0.0	0.0	0.0	0.0	0.0	0.0
	<b>53.7</b>	<b>56.0</b>	<b>56.6</b>	<b>55.9</b>	<b>56.4</b>	<b>55.5</b>	<b>55.8</b>

[1] Includes end-use consumption, refinery LPG sales, own consumption and oil used to generate electricity and steam.



Table A7.6: Refinery Requirements and Sources, Québec

Case 1	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	18782	19585	20635	21771	22899	24042	25394
Deduct Product Imports	-2748	-2700	-2700	-2700	-2700	-2700	-2700
Add Product Exports	1906	1800	1800	1800	1800	1800	1800
Net Regional Transfers (-In/+Out)	2330	2500	2500	2500	2500	2500	2500
Product Inventory (+Build/-Draw)	4	0	0	0	0	0	0
<b>Total</b>	<b>20274</b>	<b>21185</b>	<b>22235</b>	<b>23371</b>	<b>24499</b>	<b>25642</b>	<b>26994</b>
<b>Total per Day</b>	<b>55.5</b>	<b>58.0</b>	<b>60.9</b>	<b>64.0</b>	<b>67.1</b>	<b>70.3</b>	<b>74.0</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy	0.0	0.0	0	0.0	0.0	0.0	0.0
Light	0.0	6.1	15.0	17.9	18.2	11.8	7.8
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Imported Crude Oil							
Heavy	20.5	20.5	20.5	20.5	20.5	20.5	20.5
Light	33.9	29.9	23.8	24.1	26.9	36.4	44.1
Other Material	1.6	1.5	1.5	1.5	1.5	1.5	1.5
Inventory Change	-0.5	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>55.5</b>	<b>58.0</b>	<b>60.9</b>	<b>64.0</b>	<b>67.1</b>	<b>70.3</b>	<b>74.0</b>
Case 2	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	18782	19479	20461	21367	22139	22762	23414
Deduct Product Imports	-2748	-2700	-2700	-2700	-2700	-2700	-2700
Add Product Exports	1906	1800	1800	1800	1800	1800	1800
Net Regional Transfers (-In/+Out)	2330	2500	2500	2500	2500	2500	2500
Product Inventory (+Build/-Draw)	4	0	0	0	0	0	0
<b>Total</b>	<b>20274</b>	<b>21079</b>	<b>22061</b>	<b>22967</b>	<b>23739</b>	<b>24362</b>	<b>25014</b>
<b>Total per Day</b>	<b>55.5</b>	<b>57.8</b>	<b>60.4</b>	<b>62.9</b>	<b>65.0</b>	<b>66.7</b>	<b>68.5</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy							
Light	0.0	0.0	0	0.0	0.0	0.0	0.0
Other Material	0.0	6.4	13.9	15.7	15.9	10.4	6.9
Imported Crude Oil							
Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	20.5	20.5	20.5	20.5	20.5	20.5	20.5
Other Material	33.9	29.3	24.5	25.2	27.1	34.3	39.6
Inventory Change	1.6	1.5	1.5	1.5	1.5	1.5	1.5
Total Per Day	-0.5	0.0	0.0	0.0	0.0	0.0	0.0
	<b>55.5</b>	<b>57.8</b>	<b>60.4</b>	<b>62.9</b>	<b>65.0</b>	<b>66.7</b>	<b>68.5</b>

[1] Includes end-use consumption, refinery LPG sales, own consumption and oil used to generate electricity and steam.

Table A7.7: Refinery Requirements and Sources, Ontario

Case 1	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	31338	32410	35154	38087	41159	44212	48218
Deduct Product Imports	-883	-1000	-1000	-1000	-1000	-1000	-1000
Add Product Exports	2218	2000	2000	2000	2000	2000	2000
Net Regional Transfers (-In/+Out)	-3007	-2700	-2700	-2700	-2700	-2700	-2700
Product Inventory (+Build/-Draw)	312	0	0	0	0	0	0
<b>Total</b>	<b>29978</b>	<b>30710</b>	<b>33454</b>	<b>36387</b>	<b>39459</b>	<b>42512</b>	<b>46518</b>
<b>Total per Day</b>	<b>82.1</b>	<b>84.1</b>	<b>91.7</b>	<b>99.7</b>	<b>108.1</b>	<b>116.5</b>	<b>127.4</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy	12.1	15.7	18	19.0	20.5	21.0	22.0
Light	45.8	31.1	22.0	29.1	36.0	43.9	53.8
Other Material	11.0	11.5	11.5	11.5	11.5	11.5	11.5
Imported Crude Oil							
Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	12.6	25.8	40.1	40.1	40.1	40.1	40.1
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inventory Change	0.6	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>82.1</b>	<b>84.1</b>	<b>91.7</b>	<b>99.7</b>	<b>108.1</b>	<b>116.5</b>	<b>127.4</b>
Case 2	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	31338	32133	34118	35865	37855	40232	42690
Deduct Product Imports	-883	-1000	-1000	-1000	-1000	-1000	-1000
Add Product Exports	2218	2000	2000	2000	2000	2000	2000
Net Regional Transfers (-In/+Out)	-3007	-2700	-2700	-2700	-2700	-2700	-2700
Product Inventory (+Build/-Draw)	312	0	0	0	0	0	0
<b>Total</b>	<b>29978</b>	<b>30433</b>	<b>32418</b>	<b>34165</b>	<b>36155</b>	<b>38532</b>	<b>40990</b>
<b>Total per Day</b>	<b>82.1</b>	<b>83.4</b>	<b>88.8</b>	<b>93.6</b>	<b>99.1</b>	<b>105.6</b>	<b>112.3</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy							
Light	12.1	15.7	18	19.0	20.5	21.0	22.0
Other Material	45.8	30.4	19.2	23.0	26.9	33.0	38.7
Imported Crude Oil							
Heavy	11.0	11.5	11.5	11.5	11.5	11.5	11.5
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	12.6	25.8	40.1	40.1	40.1	40.1	40.1
Inventory Change	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>82.1</b>	<b>83.4</b>	<b>88.8</b>	<b>93.6</b>	<b>99.1</b>	<b>105.6</b>	<b>112.3</b>

[1] Includes end-use consumption, refinery LPG sales, own consumption and oil used to generate electricity and steam.

Table A7.8: Refinery Requirements and Sources, Prairies, Northwest Territories and Nunavut

Case 1	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	24637	25096	26855	28188	29954	31732	33429
Deduct Product Imports	-259	-250	-250	-250	-250	-250	-250
Add Product Exports	1247	1300	1300	1300	1300	1300	1300
Net Regional Transfers (-In/+Out)	6964	7000	7000	7000	7000	7000	7000
Product Inventory (+Build/-Draw)	-377	0	0	0	0	0	0
<b>Total</b>	<b>32212</b>	<b>33146</b>	<b>34905</b>	<b>36238</b>	<b>38004</b>	<b>39782</b>	<b>41479</b>
<b>Total per Day</b>	<b>88.3</b>	<b>90.8</b>	<b>95.6</b>	<b>99.3</b>	<b>104.1</b>	<b>109.0</b>	<b>113.6</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy	15.0	15.1	15.7	16.0	16.0	16.0	16.0
Light	65.3	71.2	75.4	78.8	83.6	88.5	93.1
Other Material	4.7	4.5	4.5	4.5	4.5	4.5	4.5
Imported Crude Oil							
Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inventory Change	3.2	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>88.3</b>	<b>90.8</b>	<b>95.6</b>	<b>99.3</b>	<b>104.1</b>	<b>109.0</b>	<b>113.6</b>
Case 2	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	24637	24938	26194	26810	27699	28427	28996
Deduct Product Imports	-259	-250	-250	-250	-250	-250	-250
Add Product Exports	1247	1300	1300	1300	1300	1300	1300
Net Regional Transfers (-In/+Out)	6964	7000	7000	7000	7000	7000	7000
Product Inventory (+Build/-Draw)	-377	0	0	0	0	0	0
<b>Total</b>	<b>32212</b>	<b>32988</b>	<b>34244</b>	<b>34860</b>	<b>35749</b>	<b>36477</b>	<b>37046</b>
<b>Total per Day</b>	<b>88.3</b>	<b>90.4</b>	<b>93.8</b>	<b>95.5</b>	<b>97.9</b>	<b>99.9</b>	<b>101.5</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy							
Light	15.0	15.1	15.7	16.0	16.0	16.0	16.0
Other Material	65.3	70.8	73.6	75.0	77.4	79.4	81.0
Imported Crude Oil							
Heavy	4.7	4.5	4.5	4.5	4.5	4.5	4.5
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inventory Change	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>88.3</b>	<b>90.4</b>	<b>93.8</b>	<b>95.5</b>	<b>97.9</b>	<b>99.9</b>	<b>101.5</b>

[1] Includes end-use consumption, refinery LPG sales, own consumption and oil used to generate electricity and steam.

Table A7.9: Refinery Requirements and Sources, British Columbia and Yukon

Case 1	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	11451	11586	12287	13081	13808	14584	15588
Deduct Product Imports	-1894	-2007	-2708	-3502	-4229	-5005	-6009
Add Product Exports	436	500	500	500	500	500	500
Net Regional Transfers (-In/+Out)	-5912	-6500	-6500	-6500	-6500	-6500	-6500
Product Inventory (+Build/-Draw)	-723	0	0	0	0	0	0
<b>Total</b>	<b>3358</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>
<b>Total per Day</b>	<b>9.2</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy	0.0	0.0	0	0.0	0.0	0.0	0.0
Light	9.2	9.8	9.8	9.8	9.8	9.8	9.8
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Imported Crude Oil							
Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inventory Change	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>9.2</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>
Case 2	1997	2000	2005	2010	2015	2020	2025
<b>Feedstock Requirements</b>							
(Thousand Cubic Metres per Year)							
Domestic Product Demand [1]	11451	11528	12035	12531	12869	13185	13682
Deduct Product Imports	-1894	-1949	-2456	-2952	-3290	-3606	-4103
Add Product Exports	436	500	500	500	500	500	500
Net Regional Transfers (-In/+Out)	-5912	-6500	-6500	-6500	-6500	-6500	-6500
Product Inventory (+Build/-Draw)	-723	0	0	0	0	0	0
<b>Total</b>	<b>3358</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>	<b>3579</b>
<b>Total per Day</b>	<b>9.2</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>
<b>Feedstock Sources</b>							
(Thousand Cubic Metres per Day)							
Domestic Crude Oil							
Heavy							
Light	0.0	0.0	0	0.0	0.0	0.0	0.0
Other Material	9.2	9.8	9.8	9.8	9.8	9.8	9.8
Imported Crude Oil							
Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inventory Change	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Per Day</b>	<b>9.2</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>

[1] Includes end-use consumption, refinery LPG sales, own consumption and oil used to generate electricity and steam.

Table A7.10a: Supply and Disposition of Domestic Crude Oil and Equivalent, Case 1

(Thousands of Cubic Metres Per Day)	1997	2000	2005	2010	2015	2020	2025
<b>Heavy Crude Oil</b>							
<b>Domestic Supply</b>							
Production and Productive Capacity	130.5	137.2	160.5	146.1	138.9	133.2	131.7
Inventory -Build/+Draw	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Domestic Supply</b>	<b>130.5</b>	<b>137.2</b>	<b>160.5</b>	<b>146.1</b>	<b>138.9</b>	<b>133.2</b>	<b>131.7</b>
<b>Disposition of Domestic Supply</b>							
Atlantic Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	12.1	15.7	18.0	19.0	20.5	21.0	22.0
Prairies, NWT and Nunavut	15.0	15.1	15.7	16.0	16.0	16.0	16.0
British Columbia and Yukon	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Canada</b>	<b>27.1</b>	<b>30.8</b>	<b>33.7</b>	<b>35.0</b>	<b>36.5</b>	<b>37.0</b>	<b>38.0</b>
<b>Exports</b>	<b>103.4</b>	<b>106.4</b>	<b>126.8</b>	<b>111.1</b>	<b>102.4</b>	<b>96.2</b>	<b>93.7</b>
<b>Light Crude Oil and Equivalent</b>							
<b>Domestic Supply</b>							
Production and Productive Capacity							
East Coast	2.7	24.5	60.1	71.4	72.7	47.0	31.1
Western Canada	198.0	196.8	249.1	267.2	262.3	264.4	249.0
Inventory -Build/+Draw	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Domestic Supply</b>	<b>200.7</b>	<b>221.3</b>	<b>309.2</b>	<b>338.6</b>	<b>335.0</b>	<b>311.4</b>	<b>280.1</b>
<b>Disposition of Domestic Supply</b>							
Atlantic Canada	0.0	6.1	15.0	17.9	18.2	11.8	7.8
Quebec	0.0	6.1	15.0	17.9	18.2	11.8	7.8
Ontario	45.8	31.1	22.0	29.1	36.0	43.9	53.8
Prairies, NWT and Nunavut	65.3	71.2	75.4	78.8	83.6	88.5	93.1
British Columbia and Yukon	9.2	9.8	9.8	9.8	9.8	9.8	9.8
<b>Total Canada</b>	<b>120.4</b>	<b>124.4</b>	<b>137.3</b>	<b>153.3</b>	<b>165.8</b>	<b>165.6</b>	<b>172.3</b>
<b>Exports</b>	<b>80.3</b>	<b>96.9</b>	<b>171.9</b>	<b>185.3</b>	<b>169.2</b>	<b>145.8</b>	<b>107.8</b>

Table A7.10b: Supply and Disposition of Domestic Crude Oil and Equivalent, Case 2

(Thousands of Cubic Metres Per Day)	1997	2000	2005	2010	2015	2020	2025
<b>Heavy Crude Oil</b>							
<b>Domestic Supply</b>							
Production and Productive Capacity	130.5	134.6	148.4	139.3	112.6	102.8	97.7
Inventory -Build/+Draw	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Domestic Supply</b>	<b>130.5</b>	<b>134.6</b>	<b>148.4</b>	<b>139.3</b>	<b>112.6</b>	<b>102.8</b>	<b>97.7</b>
<b>Disposition of Domestic Supply</b>							
Atlantic Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	12.1	15.7	18.0	19.0	20.5	21.0	22.0
Prairies, NWT and Nunavut	15.0	15.1	15.7	16.0	16.0	16.0	16.0
British Columbia and Yukon	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Canada</b>	<b>27.1</b>	<b>30.8</b>	<b>33.7</b>	<b>35.0</b>	<b>36.5</b>	<b>37.0</b>	<b>38.0</b>
<b>Exports</b>	<b>103.4</b>	<b>103.8</b>	<b>114.7</b>	<b>104.3</b>	<b>76.1</b>	<b>65.8</b>	<b>59.7</b>
<b>Light Crude Oil and Equivalent</b>							
<b>Domestic Supply</b>							
Production and Productive Capacity							
East Coast	2.7	25.7	55.6	62.6	63.4	41.7	27.6
Western Canada	198.0	196.3	223.2	219.4	228.1	218.6	203.9
Inventory -Build/+Draw	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Domestic Supply</b>	<b>200.7</b>	<b>222.0</b>	<b>278.8</b>	<b>282.0</b>	<b>291.5</b>	<b>260.3</b>	<b>231.5</b>
<b>Disposition of Domestic Supply</b>							
Atlantic Canada	0.0	6.4	13.9	15.7	15.9	10.4	6.9
Quebec	0.0	6.4	13.9	15.7	15.9	10.4	6.9
Ontario	45.8	30.4	19.2	23.0	26.9	33.0	38.7
Prairies, NWT and Nunavut	65.3	70.8	73.6	75.0	77.4	79.4	81.0
British Columbia and Yukon	9.2	9.8	9.8	9.8	9.8	9.8	9.8
<b>Total Canada</b>	<b>120.4</b>	<b>123.8</b>	<b>130.4</b>	<b>139.1</b>	<b>145.9</b>	<b>143.0</b>	<b>143.3</b>
<b>Exports</b>	<b>80.3</b>	<b>98.2</b>	<b>148.4</b>	<b>142.9</b>	<b>145.6</b>	<b>117.3</b>	<b>88.2</b>

Table A8.1: Classification of Coal by Rank

Class/Group [1]	Volatile Matter [2] (percent)	Fixed Carbon [2] (percent)	Heat Content [3] (MJ/kg)
<b>Anthracitic</b>			
Meta-anthracite	<= 2	>=98	
Anthracite	>2-8	92-<98	
Semi-anthracite [4]	>8-14	86-<92	
<b>Bituminous [5]</b>			
Low Volatile Bituminous	>14-22	78-<86	
Medium Volatile Bituminous	>22-31	69-<78	
High Volatile A Bituminous	>31	<69	>=32.6
High Volatile B Bituminous			30.2-<32.6
High Volatile C Bituminous			26.7-<30.2
<b>Sub-bituminous [6]</b>			
Sub-bituminous A			24.4-<26.7
Sub-bituminous B			22.1-<24.4
Sub-bituminous C			19.3-<22.1
<b>Lignitic [7]</b>			
Lignite A			14.7-<19.3
Lignite B			<14.7

[1] Lower rank coals are classified by heat content; higher ranks by volatile matter and fixed carbon.

[2] Dry, mineral-matter-free basis.

[3] Moist, mineral-matter-free basis.

[4] Non-agglomerating; if agglomerating, it is classified as low volatile bituminous.

[5] Commonly agglomerating.

[6] If agglomerating, it is classified as high volatile C bituminous.

[7] Non-agglomerating.

Source: Coal Resources and Reserves of Canada, EMR Report ER-79, December, 1979.

Table A8.2: Coal Resources

(megatonnes)		Immediate Interest			Future Interest			
Coal Region	Coal Rank [1]	Assurance[2],[3]			Assurance			
		Measured	Indicated	Inferred	Measured	Indicated	Inferred	Speculative
<b>Coastal British Columbia</b>								
Vancouver Island	hvb - mvb	35	80	200	-	-	300	-
Queen Charlotte Islands	lvb - an	-	-	10	-	-	-	-
	hvb - mvb	-	15	10	-	-	-	-
	lig - sub	-	-	50	-	-	-	500
<b>Intermontane British Columbia</b>								
Northern District	lvb - an	100	500	1000	-	-	-	4000
	hvb - mvb	30	50	100	-	-	-	100
Southern District	sub - hvb	40	120	340	-	-	-	-
	lig - sub	450	320	270	-	-	-	-
<b>Rocky Mountains and Foothills</b>								
Front Ranges								
East Kootenays	hvb - mvb	1390	1320	4040	-	2700	-	-
Crowsnest	mvb - lvb	265	140	510	-	200	-	-
	hvb - mvb	330	170	630	-	-	-	-
Cascade	lvb - an	240	120	455	-	210	-	-
Panther River-Clearwater	lvb - an	-	-	-	15	15	700	-
Inner Foothills								
Southern District	mvb - lvb	635	320	1145	-	245	-	-
	hvb - mvb	150	75	275	-	-	-	-
Northern District	mvb - lvb	1115	2385	6270	-	100	-	-
Outer Foothills	sub - hvb	830	740	1955	-	200	-	-
<b>Plains</b>								
Mannville Group	lig - sub	-	35	100	-	-	30	-
Belly River/Edmonton/Wapiti	sub - hvb	1240	585	1860	-	820	-	-
	lig - sub	11860	4935	16575	-	14115	-	-
Paskapoo	sub - hvb	120	60	175	-	25	-	-
Ravenscrag	lig - sub	1445	2680	3440	165	3910	23510	-
Deep Coal	sub - hvb	-	-	-	1200	4000	50000	85000
<b>Hudson Bay Lowland</b>								
Onakawana	lig - sub	170	10	-	n/a	n/a	n/a	n/a
<b>Atlantic Provinces</b>								
	hvb - mvb	345	365	770	-	1500	215	-
<b>Northern Canada</b>								
Yukon/District of Mackenzie	lvb - an	-	-	90	n/a	n/a	n/a	n/a
	hvb - mvb	-	-	150	n/a	n/a	n/a	n/a
	sub - hvb	-	-	350	n/a	n/a	n/a	n/a
	lig - sub	-	-	2290	n/a	n/a	n/a	n/a
Arctic Archipelago	sub - hvb	-	-	-	-	500	550	4500
	lig - sub	-	-	-	-	7000	7500	31000
<b>Canadian Total</b>								
	lvb - an	340	620	1555	15	225	700	4000
	mvb - lvb	2015	2845	7925	-	545	-	-
	hvb - mvb	2280	2075	6175	-	4200	515	100
	sub - hvb	2230	1505	4680	1200	5545	50550	89500
	lig - sub	13925	7980	22725	165	25025	31040	31500
	<b>All Ranks</b>	<b>20790</b>	<b>15025</b>	<b>43060</b>	<b>1380</b>	<b>35540</b>	<b>82805</b>	<b>125100</b>

[1] an: anthracite; lvb: low volatile bituminous; mvb: medium volatile bituminous; hvb: high volatile bituminous; sub: sub-bituminous; lig: lignite.

[2] These estimates of coal resources may differ from those of the respective provincial governments because of different estimating criteria and parameters used.

[3] Resources shown in this table include reserves.

Source: Coal Resources of Canada, Paper 89-4, Geological Survey of Canada, 1989.



Table A8.3: Coal Exports in 1997 by Destination

(kilotonnes)	Metallurgical	Thermal	Total
Japan	16041	2658	18699
Korea, Republic of	4060	1994	6054
United Kingdom	1306	276	1582
Brazil	1207	184	1391
Italy	1261	0	1261
Taiwan	1070	0	1070
United States	917	49	966
Germany	490	364	854
Chile	293	483	776
France	547	91	638
Turkey	597	0	597
Belgium	209	289	498
Netherlands	442	0	442
Mexico	406	0	406
Spain	405	0	405
Romania	305	0	305
Portugal	168	0	168
Pakistan	153	0	153
Egypt	139	0	139
Sweden	56	0	56
Denmark	0	50	50
<b>Total</b>	<b>30072</b>	<b>6438</b>	<b>36510</b>

Source: Canadian Minerals Yearbook, 1997 edition, Natural Resources Canada, 1998.

Table A8.4: Coal Supply and Demand, Canada

Case 1 (megatonnes)	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Domestic Demand</b>	<b>52.9</b>	<b>53.8</b>	<b>56.3</b>	<b>60.9</b>	<b>54.7</b>	<b>58.1</b>	<b>61.5</b>	<b>62.4</b>	<b>62.3</b>
Thermal [1]	46.8	47.0	49.6	54.0	47.6	51.0	54.5	55.4	55.5
End use	1.9	2.0	2.2	2.3	2.4	2.4	2.4	2.3	2.2
Metallurgical	4.2	4.7	4.5	4.6	4.8	4.7	4.7	4.7	4.6
<b>Exports</b>	<b>34.0</b>	<b>34.5</b>	<b>36.5</b>	<b>35.8</b>	<b>37.6</b>	<b>39.5</b>	<b>41.2</b>	<b>42.2</b>	<b>43.3</b>
Thermal	4.9	5.7	6.4	5.8	6.1	6.4	6.7	6.8	7.0
Metallurgical	29.0	28.7	30.1	30.0	31.5	33.1	34.5	35.4	36.2
<b>Imports</b>	<b>9.7</b>	<b>11.7</b>	<b>14.2</b>	<b>16.5</b>	<b>13.3</b>	<b>15.1</b>	<b>16.8</b>	<b>17.2</b>	<b>17.2</b>
Thermal	5.2	5.6	8.0	11.0	7.8	9.5	11.2	11.7	11.7
Metallurgical	4.5	6.0	6.1	5.5	5.6	5.5	5.5	5.5	5.5
<b>Production</b>	<b>74.9</b>	<b>75.9</b>	<b>78.7</b>	<b>80.2</b>	<b>79.0</b>	<b>82.6</b>	<b>85.9</b>	<b>87.4</b>	<b>88.3</b>
Thermal	45.9	46.2	47.8	48.8	45.9	47.9	49.9	50.5	50.7
Metallurgical	29.1	29.7	30.9	31.4	33.1	34.7	36.0	36.9	37.6
<b>Adjustments [2]</b>	<b>-2.2</b>	<b>-0.7</b>	<b>0.1</b>	-	-	-	-	-	-
Thermal	-0.7	-0.9	-0.1	-	-	-	-	-	-
Metallurgical	-1.6	0.2	0.2	-	-	-	-	-	-
<b>Case 2 (megatonnes)</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>Domestic Demand</b>	<b>52.9</b>	<b>53.8</b>	<b>56.3</b>	<b>59.3</b>	<b>53.3</b>	<b>56.2</b>	<b>56.6</b>	<b>53.3</b>	<b>51.5</b>
Thermal [1]	46.8	47.0	49.6	52.5	46.5	49.7	50.3	47.2	45.8
End use	1.9	2.0	2.2	2.2	2.3	2.2	2.1	2.0	1.9
Metallurgical	4.2	4.7	4.5	4.6	4.5	4.4	4.2	4.0	3.8
<b>Exports</b>	<b>34.0</b>	<b>34.5</b>	<b>36.5</b>	<b>35.8</b>	<b>37.6</b>	<b>39.5</b>	<b>41.2</b>	<b>42.2</b>	<b>43.3</b>
Thermal	4.9	5.7	6.4	5.8	6.1	6.4	6.7	6.8	7.0
Metallurgical	29.0	28.7	30.1	30.0	31.5	33.1	34.5	35.4	36.2
<b>Imports</b>	<b>9.7</b>	<b>11.7</b>	<b>14.2</b>	<b>15.7</b>	<b>12.7</b>	<b>14.2</b>	<b>14.4</b>	<b>12.8</b>	<b>12.0</b>
Thermal	5.2	5.6	8.0	10.2	7.2	8.8	9.1	7.6	6.9
Metallurgical	4.5	6.0	6.1	5.5	5.5	5.4	5.3	5.2	5.1
<b>Production</b>	<b>74.9</b>	<b>75.9</b>	<b>78.7</b>	<b>79.4</b>	<b>78.2</b>	<b>81.6</b>	<b>83.3</b>	<b>82.7</b>	<b>82.8</b>
Thermal	45.9	46.2	47.8	48.1	45.4	47.3	47.8	46.5	46.0
Metallurgical	29.1	29.7	30.9	31.3	32.8	34.3	35.5	36.2	36.8
<b>Adjustments [2]</b>	<b>-2.2</b>	<b>-0.7</b>	<b>0.1</b>	-	-	-	-	-	-
Thermal	-0.7	-0.9	-0.1	-	-	-	-	-	-
Metallurgical	-1.6	0.2	0.2	-	-	-	-	-	-

[1] Electricity generation.

[2] Inventory changes and other adjustments.

Source: Natural Resources Canada, Statistics Canada, NEB.

Table A9.1: Sources and Uses of Energy, 1995

## Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	679	15	2	511	244	0	84	0	0	1535
Commercial	407	22	0	419	93	0	0	0	0	942
Petrochemical	166	158	0	0	154	0	0	0	0	478
Industrial	913	35	183	749	297	11	508	0	0	2695
Transportation	8	33	0	3	1980	0	0	0	0	2024
Road	8	33	0	3	1612	0	0	0	0	1656
Rail	0	0	0	0	81	0	0	0	0	81
Air	0	0	0	0	185	0	0	0	0	185
Marine	0	0	0	0	102	0	0	0	0	102
Non-Energy Use	0	0	0	0	233	0	0	0	0	233
<b>Total End Use</b>	2172	263	185	1681	3002	11	592	0	0	7907
<b>Own Use and Losses [4]</b>	732	8	6	150	355	0	0	0	0	1251
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	72	0	271	-1805	25	0	20	1080	336	0
Refinery Propane Production	0	-35	0	0	35	0	0	0	0	0
Refinery Butanes Production	0	-16	0	0	16	0	0	0	0	0
Butane used in Refineries	0	67	0	0	-67	0	0	0	0	0
Steam Production	7	0	0	0	3	-11	0	0	1	0
NGL Production from Reprocessing	653	-653	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	733	-638	271	-1805	13	-11	20	1080	337	0
<b>Conversion Losses-Domestic</b>										
Electricity Generation	123	0	581	0	72	0	14	0	772	1563
Coke Production	0	0	6	0	0	0	0	0	0	6
Steam Production	2	0	0	0	1	0	0	0	0	3
<b>Total Conversion Losses</b>	125	0	587	0	73	0	14	0	772	1572
<b>Domestic Demand for Primary Energy</b>	3762	-366	1049	27	3444	0	625	1080	1109	10730
<b>Export Demand</b>										
<b>Total Energy Exports</b>	2915	281	1036	156	2928	0	0	0	0	7316
<b>Conversions for Export [6]</b>										
Electricity	0	0	36	-156	5	0	0	110	-12	-17
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	0	0	36	-156	5	0	0	110	-12	-17
<b>Conversion Losses-Export</b>										
Electricity Generation	0	0	44	0	9	0	0	0	21	74
<b>Export Demand for Primary Energy [6]</b>	2915	281	1115	0	2942	0	0	110	9	7373
<b>Total Primary Demand [7]</b>	6677	-85	2164	27	6386	0	625	1190	1118	18103
<b>Primary Domestic Production</b>	6529	-85	1868	0	4451	0	625	1190	1118	15697
<b>Primary Energy Imports [7]</b>	25	13	297	27	1659	0	0	0	0	2020
<b>Total Primary Supply [8]</b>	6554	-73	2164	27	6110	0	625	1190	1118	17717

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.2: Sources and Uses of Energy, 1996

## Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	750	19	2	532	272	0	93	0	0	1668
Commercial	425	33	0	421	89	0	0	0	0	968
Petrochemical	236	204	0	0	162	0	0	0	0	602
Industrial	962	23	187	754	324	25	479	0	0	2753
Transportation	8	35	0	3	2030	0	0	0	0	2075
Road	8	35	0	3	1640	0	0	0	0	1686
Rail	0	0	0	0	79	0	0	0	0	79
Air	0	0	0	0	210	0	0	0	0	210
Marine	0	0	0	0	101	0	0	0	0	101
Non-Energy Use	0	0	0	0	253	0	0	0	0	253
<b>Total End Use</b>	<b>2380</b>	<b>314</b>	<b>189</b>	<b>1709</b>	<b>3129</b>	<b>25</b>	<b>572</b>	<b>0</b>	<b>0</b>	<b>8319</b>
<b>Own Use and Losses [4]</b>	<b>790</b>	<b>9</b>	<b>7</b>	<b>166</b>	<b>374</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1346</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	74	0	278	-1842	24	0	0	1145	321	0
Refinery Propane Production	0	-34	0	0	34	0	0	0	0	0
Refinery Butanes Production	0	-16	0	0	16	0	0	0	0	0
Butane used in Refineries	0	68	0	0	-68	0	0	0	0	0
Steam Production	15	0	0	0	5	-25	0	0	5	0
NGL Production from Reprocessing	658	-658	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>747</b>	<b>-641</b>	<b>278</b>	<b>-1842</b>	<b>11</b>	<b>-25</b>	<b>0</b>	<b>1145</b>	<b>326</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	81	0	609	0	42	0	34	0	735	1502
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	4	0	0	0	1	0	0	0	1	6
<b>Total Conversion Losses</b>	<b>85</b>	<b>0</b>	<b>619</b>	<b>0</b>	<b>44</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>737</b>	<b>1517</b>
<b>Domestic Demand for Primary Energy</b>	<b>4003</b>	<b>-318</b>	<b>1092</b>	<b>33</b>	<b>3559</b>	<b>0</b>	<b>606</b>	<b>1145</b>	<b>1062</b>	<b>11182</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>3000</b>	<b>301</b>	<b>1050</b>	<b>158</b>	<b>3124</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7632</b>
<b>Conversions for Export [6]</b>										
Electricity	0	0	31	-158	4	0	0	122	-5	-6
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>-158</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>122</b>	<b>-5</b>	<b>-6</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	0	0	18	0	6	0	0	0	7	31
<b>Export Demand for Primary Energy [6]</b>	<b>3000</b>	<b>301</b>	<b>1099</b>	<b>0</b>	<b>3133</b>	<b>0</b>	<b>0</b>	<b>122</b>	<b>3</b>	<b>7658</b>
<b>Total Primary Demand [7]</b>	<b>7003</b>	<b>-18</b>	<b>2192</b>	<b>33</b>	<b>6692</b>	<b>0</b>	<b>606</b>	<b>1267</b>	<b>1065</b>	<b>18840</b>
<b>Primary Domestic Production</b>	<b>6925</b>	<b>-18</b>	<b>1845</b>	<b>0</b>	<b>4592</b>	<b>0</b>	<b>606</b>	<b>1267</b>	<b>1065</b>	<b>16282</b>
<b>Primary Energy Imports [7]</b>	<b>47</b>	<b>9</b>	<b>347</b>	<b>33</b>	<b>1870</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2307</b>
<b>Total Primary Supply [8]</b>	<b>6972</b>	<b>-8</b>	<b>2192</b>	<b>33</b>	<b>6462</b>	<b>0</b>	<b>606</b>	<b>1267</b>	<b>1065</b>	<b>18588</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.3: Sources and Uses of Energy, 1997

## Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	699	20	4	524	266	0	92	0	0	1607
Commercial	418	39	0	432	94	1	0	0	0	983
Petrochemical	220	187	0	0	160	0	0	0	0	567
Industrial	995	26	186	769	306	31	516	0	0	2829
Transportation	4	31	0	3	2107	0	0	0	0	2144
Road	4	31	0	3	1712	0	0	0	0	1750
Rail	0	0	0	0	80	0	0	0	0	80
Air	0	0	0	0	214	0	0	0	0	214
Marine	0	0	0	0	100	0	0	0	0	100
Non-Energy Use	0	0	0	0	259	0	0	0	0	259
<b>Total End Use</b>	<b>2336</b>	<b>302</b>	<b>191</b>	<b>1728</b>	<b>3193</b>	<b>32</b>	<b>607</b>	<b>0</b>	<b>0</b>	<b>8389</b>
<b>Own Use and Losses [4]</b>	<b>770</b>	<b>10</b>	<b>8</b>	<b>148</b>	<b>390</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1325</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	103	0	373	-1843	38	0	21	983	323	0
Refinery Propane Production	0	-36	0	0	36	0	0	0	0	0
Refinery Butanes Production	0	-19	0	0	19	0	0	0	0	0
Butane used in Refineries	0	68	0	0	-68	0	0	0	0	0
Steam Production	19	0	0	0	5	-32	0	0	8	0
NGL Production from Reprocessing	662	-662	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>784</b>	<b>-649</b>	<b>373</b>	<b>-1843</b>	<b>30</b>	<b>-32</b>	<b>21</b>	<b>983</b>	<b>332</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	59	0	572	0	55	0	-1	0	604	1289
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	5	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	<b>64</b>	<b>0</b>	<b>581</b>	<b>0</b>	<b>56</b>	<b>0</b>	<b>-1</b>	<b>0</b>	<b>606</b>	<b>1306</b>
<b>Domestic Demand for Primary Energy</b>	<b>3954</b>	<b>-337</b>	<b>1153</b>	<b>33</b>	<b>3669</b>	<b>0</b>	<b>627</b>	<b>983</b>	<b>938</b>	<b>11021</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>3053</b>	<b>289</b>	<b>1112</b>	<b>148</b>	<b>3340</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7942</b>
<b>Conversions for Export [6]</b>										
Electricity	1	0	24	-148	2	0	0	105	-39	-56
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1</b>	<b>0</b>	<b>24</b>	<b>-148</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>-39</b>	<b>-56</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	1	0	41	0	-2	0	0	0	87	127
<b>Export Demand for Primary Energy [6]</b>	<b>3055</b>	<b>289</b>	<b>1176</b>	<b>0</b>	<b>3340</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>47</b>	<b>8013</b>
<b>Total Primary Demand [7]</b>	<b>7009</b>	<b>-48</b>	<b>2330</b>	<b>33</b>	<b>7009</b>	<b>0</b>	<b>627</b>	<b>1089</b>	<b>985</b>	<b>19033</b>
<b>Primary Domestic Production</b>	<b>6893</b>	<b>-48</b>	<b>1911</b>	<b>0</b>	<b>4820</b>	<b>0</b>	<b>627</b>	<b>1089</b>	<b>985</b>	<b>16276</b>
<b>Primary Energy Imports [7]</b>	<b>56</b>	<b>12</b>	<b>419</b>	<b>33</b>	<b>2112</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2632</b>
<b>Total Primary Supply [8]</b>	<b>6949</b>	<b>-36</b>	<b>2330</b>	<b>33</b>	<b>6931</b>	<b>0</b>	<b>627</b>	<b>1089</b>	<b>985</b>	<b>18908</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.4a: Sources and Uses of Energy, 2000, Case 1  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	729	21	4	550	270	0	92	0	0	1667
Commercial	457	25	0	455	95	0	0	0	0	1032
Petrochemical	184	295	0	0	157	0	0	0	0	635
Industrial	1085	27	193	821	311	32	536	0	0	3006
Transportation	7	34	0	3	2166	0	0	0	0	2210
Road	7	34	0	3	1764	0	0	0	0	1808
Rail	0	0	0	0	82	0	0	0	0	82
Air	0	0	0	0	216	0	0	0	0	216
Marine	0	0	0	0	104	0	0	0	0	104
Non-Energy Use	0	0	0	0	266	0	0	0	0	266
<b>Total End Use</b>	2461	403	197	1829	3265	32	628	0	0	8815
<b>Own Use and Losses [4]</b>	857	9	8	154	397	0	0	0	0	1426
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	188	0	394	-1973	37	0	36	1033	285	0
Refinery Propane Production	0	-39	0	0	39	0	0	0	0	0
Refinery Butanes Production	0	-21	0	0	21	0	0	0	0	0
Butane used in Refineries	0	72	0	0	-72	0	0	0	0	0
Steam Production	19	0	0	0	4	-32	0	0	9	0
NGL Production from Reprocessing	794	-794	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	1001	-782	394	-1973	30	-32	36	1033	294	0
<b>Conversion Losses-Domestic</b>										
Electricity Generation	109	0	631	0	53	0	-3	0	556	1346
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	5	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	114	0	640	0	54	0	-3	0	558	1363
<b>Domestic Demand for Primary Energy</b>	4433	-370	1239	10	3747	0	661	1033	851	11605
<b>Export Demand</b>										
<b>Total Energy Exports</b>	3484	328	1092	118	3606	0	0	0	0	8627
<b>Conversions for Export [6]</b>										
Electricity	1	0	25	-118	0	0	0	91	-2	-3
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	1	0	25	-118	0	0	0	91	-2	-3
<b>Conversion Losses-Export</b>										
Electricity Generation	2	0	50	0	0	0	0	0	4	56
<b>Export Demand for Primary Energy [6]</b>	3487	328	1168	0	3606	0	0	91	2	8681
<b>Total Primary Demand [7]</b>	7920	-42	2407	10	7353	0	661	1124	854	20285
<b>Primary Domestic Production</b>	7903	-42	1918	0	5096	0	661	1124	854	17514
<b>Primary Energy Imports [7]</b>	16	0	488	10	2074	0	0	0	0	2589
<b>Total Primary Supply [8]</b>	7920	-42	2407	10	7170	0	661	1124	854	20102

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.5a: Sources and Uses of Energy, 2005, Case 1  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	779	23	4	597	281	0	93	0	0	1778
Commercial	500	27	0	486	96	0	0	0	0	1110
Petrochemical	207	411	0	0	172	0	0	0	0	790
Industrial	1268	30	198	921	307	32	575	0	0	3330
Transportation	7	35	0	3	2340	0	0	0	0	2385
Road	7	35	0	3	1924	0	0	0	0	1970
Rail	0	0	0	0	84	0	0	0	0	84
Air	0	0	0	0	222	0	0	0	0	222
Marine	0	0	0	0	109	0	0	0	0	109
Non-Energy Use	0	0	0	0	276	0	0	0	0	276
<b>Total End Use</b>	2761	527	202	2007	3471	33	668	0	0	9669
<b>Own Use and Losses [4]</b>	959	11	19	171	422	0	0	0	0	1581
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	245	0	356	-2157	29	0	37	1107	383	0
Refinery Propane Production	0	-43	0	0	43	0	0	0	0	0
Refinery Butanes Production	0	-23	0	0	23	0	0	0	0	0
Butane used in Refineries	0	79	0	0	-79	0	0	0	0	0
Steam Production	22	0	0	0	3	-33	0	0	8	0
NGL Production from Reprocessing	957	-957	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	1224	-944	356	-2157	19	-33	37	1107	391	0
<b>Conversion Losses-Domestic</b>										
Electricity Generation	133	0	596	0	43	0	-3	0	769	1538
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	5	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	139	0	605	0	43	0	-3	0	771	1555
<b>Domestic Demand for Primary Energy</b>	5083	-406	1182	21	3955	0	702	1107	1162	12806
<b>Export Demand</b>										
<b>Total Energy Exports</b>	4063	376	1148	88	4974	0	0	0	0	10649
<b>Conversions for Export [6]</b>										
Electricity	11	0	6	-88	0	0	0	63	-22	-31
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	11	0	6	-88	0	0	0	63	-22	-31
<b>Conversion Losses-Export</b>										
Electricity Generation	7	0	0	0	0	0	0	0	50	57
<b>Export Demand for Primary Energy [6]</b>	4081	376	1153	0	4974	0	0	63	28	10675
<b>Total Primary Demand [7]</b>	9164	-30	2336	21	8930	0	702	1170	1190	23480
<b>Primary Domestic Production</b>	9098	-30	1939	0	6656	0	702	1170	1190	20725
<b>Primary Energy Imports [7]</b>	65	0	397	21	2083	0	0	0	0	2566
<b>Total Primary Supply [8]</b>	9164	-30	2336	21	8739	0	702	1170	1190	23290

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.6a: Sources and Uses of Energy, 2010, Case 1  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	818	25	4	636	291	0	94	0	0	1867
Commercial	536	30	0	517	100	0	0	0	0	1183
Petrochemical	231	420	0	0	189	0	0	0	0	840
Industrial	1378	33	197	1004	318	32	598	0	0	3561
Transportation	7	36	0	3	2499	0	0	0	0	2545
Road	7	36	0	3	2062	0	0	0	0	2108
Rail	0	0	0	0	86	0	0	0	0	86
Air	0	0	0	0	236	0	0	0	0	236
Marine	0	0	0	0	114	0	0	0	0	114
Non-Energy Use	0	0	0	0	288	0	0	0	0	288
<b>Total End Use</b>	<b>2971</b>	<b>545</b>	<b>202</b>	<b>2160</b>	<b>3684</b>	<b>32</b>	<b>692</b>	<b>0</b>	<b>0</b>	<b>10285</b>
<b>Own Use and Losses [4]</b>	<b>1028</b>	<b>13</b>	<b>19</b>	<b>178</b>	<b>445</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1683</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	322	0	382	-2315	31	0	39	1187	354	0
Refinery Propane Production	0	-46	0	0	46	0	0	0	0	0
Refinery Butanes Production	0	-24	0	0	24	0	0	0	0	0
Butane used in Refineries	0	78	0	0	-78	0	0	0	0	0
Steam Production	22	0	0	0	2	-32	0	0	8	0
NGL Production from Reprocessing	1022	-1022	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1366</b>	<b>-1014</b>	<b>382</b>	<b>-2315</b>	<b>25</b>	<b>-32</b>	<b>39</b>	<b>1187</b>	<b>362</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	159	0	641	0	46	0	-5	0	720	1561
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	6	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	<b>165</b>	<b>0</b>	<b>650</b>	<b>0</b>	<b>47</b>	<b>0</b>	<b>-5</b>	<b>0</b>	<b>722</b>	<b>1579</b>
<b>Domestic Demand for Primary Energy</b>	<b>5530</b>	<b>-456</b>	<b>1252</b>	<b>23</b>	<b>4200</b>	<b>0</b>	<b>726</b>	<b>1187</b>	<b>1085</b>	<b>13547</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>4495</b>	<b>439</b>	<b>1206</b>	<b>85</b>	<b>4918</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11143</b>
<b>Conversions for Export [6]</b>										
Electricity	11	0	6	-85	0	0	0	59	-21	-30
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>11</b>	<b>0</b>	<b>6</b>	<b>-85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>-21</b>	<b>-30</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	8	0	0	0	0	0	0	0	49	57
<b>Export Demand for Primary Energy [6]</b>	<b>4514</b>	<b>439</b>	<b>1212</b>	<b>0</b>	<b>4918</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>28</b>	<b>11170</b>
<b>Total Primary Demand [7]</b>	<b>10044</b>	<b>-17</b>	<b>2464</b>	<b>23</b>	<b>9118</b>	<b>0</b>	<b>726</b>	<b>1246</b>	<b>1112</b>	<b>24717</b>
<b>Primary Domestic Production</b>	<b>10010</b>	<b>-17</b>	<b>2018</b>	<b>0</b>	<b>6826</b>	<b>0</b>	<b>726</b>	<b>1246</b>	<b>1112</b>	<b>21922</b>
<b>Primary Energy Imports [7]</b>	<b>33</b>		<b>446</b>	<b>23</b>	<b>2097</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2600</b>
<b>Total Primary Supply [8]</b>	<b>10044</b>	<b>-17</b>	<b>2464</b>	<b>23</b>	<b>8923</b>	<b>0</b>	<b>726</b>	<b>1246</b>	<b>1112</b>	<b>24522</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.



Table A9.7a: Sources and Uses of Energy, 2015, Case 1  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	852	27	4	679	299	0	94	0	0	1955
Commercial	574	33	0	552	104	0	0	0	0	1262
Petrochemical	250	427	0	0	204	0	0	0	0	882
Industrial	1536	36	196	1133	338	33	633	0	0	3905
Transportation	7	37	0	3	2667	0	0	0	0	2714
Road	7	37	0	3	2207	0	0	0	0	2254
Rail	0	0	0	0	88	0	0	0	0	88
Air	0	0	0	0	252	0	0	0	0	252
Marine	0	0	0	0	120	0	0	0	0	120
Non-Energy Use	0	0	0	0	302	0	0	0	0	302
<b>Total End Use</b>	<b>3220</b>	<b>561</b>	<b>200</b>	<b>2367</b>	<b>3913</b>	<b>34</b>	<b>726</b>	<b>0</b>	<b>0</b>	<b>11021</b>
<b>Own Use and Losses [4]</b>	<b>1117</b>	<b>15</b>	<b>20</b>	<b>188</b>	<b>472</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1812</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	392	0	427	-2528	35	0	39	1239	395	0
Refinery Propane Production	0	-49	0	0	49	0	0	0	0	0
Refinery Butanes Production	0	-26	0	0	26	0	0	0	0	0
Butane used in Refineries	0	83	0	0	-83	0	0	0	0	0
Steam Production	23	0	0	0	2	-34	0	0	8	0
NGL Production from Reprocessing	1058	-1058	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1473</b>	<b>-1050</b>	<b>427</b>	<b>-2528</b>	<b>29</b>	<b>-34</b>	<b>39</b>	<b>1239</b>	<b>403</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	193	0	666	0	42	0	-5	0	811	1707
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	6	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	<b>199</b>	<b>0</b>	<b>675</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>-5</b>	<b>0</b>	<b>813</b>	<b>1725</b>
<b>Domestic Demand for Primary Energy</b>	<b>6009</b>	<b>-475</b>	<b>1322</b>	<b>27</b>	<b>4458</b>	<b>0</b>	<b>761</b>	<b>1239</b>	<b>1216</b>	<b>14557</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>4926</b>	<b>446</b>	<b>1255</b>	<b>78</b>	<b>4559</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11264</b>
<b>Conversions for Export [6]</b>										
Electricity	11	0	2	-78	0	0	0	57	-24	-33
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>11</b>	<b>0</b>	<b>2</b>	<b>-78</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>-24</b>	<b>-33</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	8	0	4	0	0	0	0	0	52	63
<b>Export Demand for Primary Energy [6]</b>	<b>4945</b>	<b>446</b>	<b>1261</b>	<b>0</b>	<b>4559</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>28</b>	<b>11295</b>
<b>Total Primary Demand [7]</b>	<b>10953</b>	<b>-28</b>	<b>2583</b>	<b>27</b>	<b>9017</b>	<b>0</b>	<b>761</b>	<b>1296</b>	<b>1244</b>	<b>25852</b>
<b>Primary Domestic Production</b>	<b>10932</b>	<b>-28</b>	<b>2087</b>	<b>0</b>	<b>6645</b>	<b>0</b>	<b>761</b>	<b>1296</b>	<b>1244</b>	<b>22936</b>
<b>Primary Energy Imports [7]</b>	<b>22</b>	<b>0</b>	<b>496</b>	<b>27</b>	<b>2026</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2571</b>
<b>Total Primary Supply [8]</b>	<b>10953</b>	<b>-28</b>	<b>2583</b>	<b>27</b>	<b>8671</b>	<b>0</b>	<b>761</b>	<b>1296</b>	<b>1244</b>	<b>25507</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.8a: Sources and Uses of Energy, 2020, Case 1  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	878	29	4	722	306	0	94	0	0	2032
Commercial	606	35	0	587	110	0	0	0	0	1338
Petrochemical	271	435	0	0	221	0	0	0	0	927
Industrial	1681	39	195	1255	366	34	660	0	0	4230
Transportation	8	38	0	3	2834	0	0	0	0	2882
Road	8	38	0	3	2345	0	0	0	0	2393
Rail	0	0	0	0	90	0	0	0	0	90
Air	0	0	0	0	273	0	0	0	0	273
Marine	0	0	0	0	126	0	0	0	0	126
Non-Energy Use	0	0	0	0	316	0	0	0	0	316
<b>Total End Use</b>	<b>3444</b>	<b>575</b>	<b>199</b>	<b>2567</b>	<b>4152</b>	<b>35</b>	<b>754</b>	<b>0</b>	<b>0</b>	<b>11725</b>
<b>Own Use and Losses [4]</b>	<b>1199</b>	<b>16</b>	<b>20</b>	<b>196</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1932</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	493	0	477	-2734	33	0	39	1300	393	0
Refinery Propane Production	0	-52	0	0	52	0	0	0	0	0
Refinery Butanes Production	0	-27	0	0	27	0	0	0	0	0
Butane used in Refineries	0	88	0	0	-88	0	0	0	0	0
Steam Production	32	0	0	0	2	-35	0	0	0	0
NGL Production from Reprocessing	954	-954	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1479</b>	<b>-946</b>	<b>477</b>	<b>-2734</b>	<b>27</b>	<b>-35</b>	<b>39</b>	<b>1300</b>	<b>393</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	243	0	627	0	29	0	-4	0	824	1719
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	8	0	0	0	1	0	0	0	0	9
<b>Total Conversion Losses</b>	<b>251</b>	<b>0</b>	<b>636</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>824</b>	<b>1737</b>
<b>Domestic Demand for Primary Energy</b>	<b>6373</b>	<b>-354</b>	<b>1332</b>	<b>28</b>	<b>4709</b>	<b>0</b>	<b>788</b>	<b>1300</b>	<b>1217</b>	<b>15394</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>5095</b>	<b>355</b>	<b>1287</b>	<b>82</b>	<b>4146</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10965</b>
<b>Conversions for Export [6]</b>										
Electricity	5	0	5	-82	0	0	0	64	-31	-41
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>-82</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>-31</b>	<b>-41</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	1	0	9	0	0	0	0	0	59	70
<b>Export Demand for Primary Energy [6]</b>	<b>5101</b>	<b>355</b>	<b>1301</b>	<b>0</b>	<b>4146</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>28</b>	<b>10994</b>
<b>Total Primary Demand [7]</b>	<b>11474</b>	<b>0</b>	<b>2633</b>	<b>28</b>	<b>8855</b>	<b>0</b>	<b>788</b>	<b>1364</b>	<b>1245</b>	<b>26388</b>
<b>Primary Domestic Production</b>	<b>11417</b>	<b>0</b>	<b>2124</b>	<b>0</b>	<b>6219</b>	<b>0</b>	<b>788</b>	<b>1364</b>	<b>1245</b>	<b>23157</b>
<b>Primary Energy Imports [7]</b>	<b>57</b>	<b>0</b>	<b>510</b>	<b>28</b>	<b>2413</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3008</b>
<b>Total Primary Supply [8]</b>	<b>11474</b>	<b>0</b>	<b>2633</b>	<b>28</b>	<b>8632</b>	<b>0</b>	<b>788</b>	<b>1364</b>	<b>1245</b>	<b>26165</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.9a: Sources and Uses of Energy, 2025, Case 1  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	897	31	4	767	312	0	93	0	0	2104
Commercial	631	37	0	615	115	0	0	0	0	1398
Petrochemical	293	443	0	0	239	0	0	0	0	975
Industrial	1779	40	189	1358	403	34	675	0	0	4478
Transportation	8	39	0	3	3031	0	0	0	0	3081
Road	8	39	0	3	2505	0	0	0	0	2555
Rail	0	0	0	0	92	0	0	0	0	92
Air	0	0	0	0	301	0	0	0	0	301
Marine	0	0	0	0	133	0	0	0	0	133
Non-Energy Use	0	0	0	0	331	0	0	0	0	331
<b>Total End Use</b>	<b>3609</b>	<b>589</b>	<b>193</b>	<b>2743</b>	<b>4430</b>	<b>34</b>	<b>768</b>	<b>0</b>	<b>0</b>	<b>12366</b>
<b>Own Use and Losses [4]</b>	<b>1248</b>	<b>17</b>	<b>20</b>	<b>211</b>	<b>534</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2030</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	621	0	492	-2925	38	0	38	1374	362	0
Refinery Propane Production	0	-55	0	0	55	0	0	0	0	0
Refinery Butanes Production	0	-29	0	0	29	0	0	0	0	0
Butane used in Refineries	0	92	0	0	-92	0	0	0	0	0
Steam Production	32	0	0	0	2	-34	0	0	0	0
NGL Production from Reprocessing	797	-797	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1450</b>	<b>-789</b>	<b>492</b>	<b>-2925</b>	<b>33</b>	<b>-34</b>	<b>38</b>	<b>1374</b>	<b>362</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	304	0	601	0	39	0	-4	0	770	1710
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	8	0	0	0	1	0	0	0	0	9
<b>Total Conversion Losses</b>	<b>312</b>	<b>0</b>	<b>610</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>770</b>	<b>1727</b>
<b>Domestic Demand for Primary Energy</b>	<b>6619</b>	<b>-183</b>	<b>1315</b>	<b>29</b>	<b>5036</b>	<b>0</b>	<b>802</b>	<b>1374</b>	<b>1132</b>	<b>16124</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>4853</b>	<b>183</b>	<b>1319</b>	<b>93</b>	<b>3582</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10030</b>
<b>Conversions for Export [6]</b>										
Electricity	9	0	9	-93	0	0	0	75	0	0
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>-93</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>0</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	5	0	17	0	0	0	0	0	0	22
<b>Export Demand for Primary Energy [6]</b>	<b>4867</b>	<b>183</b>	<b>1346</b>	<b>0</b>	<b>3582</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>10053</b>
<b>Total Primary Demand [7]</b>	<b>11486</b>	<b>0</b>	<b>2660</b>	<b>29</b>	<b>8618</b>	<b>0</b>	<b>802</b>	<b>1449</b>	<b>1132</b>	<b>26177</b>
<b>Primary Domestic Production</b>	<b>11416</b>	<b>0</b>	<b>2152</b>	<b>0</b>	<b>5760</b>	<b>0</b>	<b>802</b>	<b>1449</b>	<b>1132</b>	<b>22711</b>
<b>Primary Energy Imports [7]</b>	<b>70</b>	<b>0</b>	<b>509</b>	<b>29</b>	<b>2616</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3224</b>
<b>Total Primary Supply [8]</b>	<b>11486</b>	<b>0</b>	<b>2660</b>	<b>29</b>	<b>8376</b>	<b>0</b>	<b>802</b>	<b>1449</b>	<b>1132</b>	<b>25935</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.4b: Sources and Uses of Energy, 2000, Case 2  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	705	21	4	542	263	0	91	0	0	1626
Commercial	451	25	0	449	94	0	0	0	0	1019
Petrochemical	174	299	0	0	157	0	0	0	0	630
Industrial	1062	27	189	809	310	31	527	0	0	2955
Transportation	7	34	0	3	2159	0	0	0	0	2203
Road	7	34	0	3	1761	0	0	0	0	1806
Rail	0	0	0	0	81	0	0	0	0	81
Air	0	0	0	0	212	0	0	0	0	212
Marine	0	0	0	0	104	0	0	0	0	104
Non-Energy Use	0	0	0	0	266	0	0	0	0	266
<b>Total End Use</b>	<b>2399</b>	<b>406</b>	<b>193</b>	<b>1802</b>	<b>3248</b>	<b>31</b>	<b>618</b>	<b>0</b>	<b>0</b>	<b>8698</b>
<b>Own Use and Losses [4]</b>	<b>847</b>	<b>9</b>	<b>8</b>	<b>152</b>	<b>394</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1411</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	184	0	384	-1942	35	0	36	1019	286	0
Refinery Propane Production	0	-37	0	0	37	0	0	0	0	0
Refinery Butanes Production	0	-20	0	0	20	0	0	0	0	0
Butane used in Refineries	0	72	0	0	-72	0	0	0	0	0
Steam Production	19	0	0	0	4	-31	0	0	8	0
NGL Production from Reprocessing	794	-794	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>996</b>	<b>-779</b>	<b>384</b>	<b>-1942</b>	<b>25</b>	<b>-31</b>	<b>36</b>	<b>1019</b>	<b>294</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	99	0	613	0	47	0	-3	0	555	1312
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	5	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	<b>104</b>	<b>0</b>	<b>622</b>	<b>0</b>	<b>49</b>	<b>0</b>	<b>-3</b>	<b>0</b>	<b>557</b>	<b>1328</b>
<b>Domestic Demand for Primary Energy</b>	<b>4346</b>	<b>-364</b>	<b>1207</b>	<b>12</b>	<b>3715</b>	<b>0</b>	<b>651</b>	<b>1019</b>	<b>851</b>	<b>11437</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>3442</b>	<b>326</b>	<b>1092</b>	<b>133</b>	<b>3591</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8583</b>
<b>Conversions for Export [6]</b>										
Electricity	1	0	25	-133	0	0	0	107	-3	-3
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1</b>	<b>0</b>	<b>25</b>	<b>-133</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>107</b>	<b>-3</b>	<b>-3</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	2	0	48	0	0	0	0	0	5	55
<b>Export Demand for Primary Energy [6]</b>	<b>3445</b>	<b>326</b>	<b>1165</b>	<b>0</b>	<b>3591</b>	<b>0</b>	<b>0</b>	<b>107</b>	<b>2</b>	<b>8635</b>
<b>Total Primary Demand [7]</b>	<b>7791</b>	<b>-38</b>	<b>2372</b>	<b>12</b>	<b>7306</b>	<b>0</b>	<b>651</b>	<b>1126</b>	<b>853</b>	<b>20072</b>
<b>Primary Domestic Production</b>	<b>7723</b>	<b>-38</b>	<b>1908</b>	<b>0</b>	<b>5067</b>	<b>0</b>	<b>651</b>	<b>1126</b>	<b>853</b>	<b>17289</b>
<b>Primary Energy Imports [7]</b>	<b>68</b>	<b>0</b>	<b>464</b>	<b>12</b>	<b>2046</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2590</b>
<b>Total Primary Supply [8]</b>	<b>7791</b>	<b>-38</b>	<b>2372</b>	<b>12</b>	<b>7112</b>	<b>0</b>	<b>651</b>	<b>1126</b>	<b>853</b>	<b>19878</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.5b: Sources and Uses of Energy, 2005, Case 2  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	733	22	4	583	264	0	91	0	0	1698
Commercial	481	27	0	470	95	0	0	0	0	1073
Petrochemical	186	384	0	0	172	0	0	0	0	742
Industrial	1181	29	188	887	320	31	552	0	0	3188
Transportation	7	35	0	3	2289	0	0	0	0	2335
Road	7	35	0	3	1881	0	0	0	0	1926
Rail	0	0	0	0	83	0	0	0	0	83
Air	0	0	0	0	216	0	0	0	0	216
Marine	0	0	0	0	109	0	0	0	0	109
Non-Energy Use	0	0	0	0	276	0	0	0	0	276
<b>Total End Use</b>	<b>2589</b>	<b>497</b>	<b>193</b>	<b>1943</b>	<b>3417</b>	<b>31</b>	<b>642</b>	<b>0</b>	<b>0</b>	<b>9311</b>
<b>Own Use and Losses [4]</b>	<b>905</b>	<b>10</b>	<b>19</b>	<b>166</b>	<b>413</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1513</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	233	0	337	-2088	26	0	37	1070	385	0
Refinery Propane Production	0	-38	0	0	38	0	0	0	0	0
Refinery Butanes Production	0	-20	0	0	20	0	0	0	0	0
Butane used in Refineries	0	77	0	0	-77	0	0	0	0	0
Steam Production	21	0	0	0	3	-31	0	0	7	0
NGL Production from Reprocessing	908	-908	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1162</b>	<b>-889</b>	<b>337</b>	<b>-2088</b>	<b>10</b>	<b>-31</b>	<b>37</b>	<b>1070</b>	<b>392</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	116	0	562	0	35	0	-4	0	768	1478
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	5	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	<b>121</b>	<b>0</b>	<b>571</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>769</b>	<b>1494</b>
<b>Domestic Demand for Primary Energy</b>	<b>4777</b>	<b>-381</b>	<b>1120</b>	<b>20</b>	<b>3876</b>	<b>0</b>	<b>676</b>	<b>1070</b>	<b>1161</b>	<b>12319</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>3842</b>	<b>372</b>	<b>1148</b>	<b>113</b>	<b>4458</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9932</b>
<b>Conversions for Export [6]</b>										
Electricity	8	0	17	-113	0	0	0	79	-21	-30
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>8</b>	<b>0</b>	<b>17</b>	<b>-113</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>-21</b>	<b>-30</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	9	0	21	0	0	0	0	0	49	79
<b>Export Demand for Primary Energy [6]</b>	<b>3860</b>	<b>372</b>	<b>1185</b>	<b>0</b>	<b>4458</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>28</b>	<b>9981</b>
<b>Total Primary Demand [7]</b>	<b>8637</b>	<b>-9</b>	<b>2304</b>	<b>20</b>	<b>8333</b>	<b>0</b>	<b>676</b>	<b>1149</b>	<b>1189</b>	<b>22300</b>
<b>Primary Domestic Production</b>	<b>8602</b>	<b>-9</b>	<b>1928</b>	<b>0</b>	<b>6055</b>	<b>0</b>	<b>676</b>	<b>1149</b>	<b>1189</b>	<b>19590</b>
<b>Primary Energy Imports [7]</b>	<b>35</b>	<b>0</b>	<b>377</b>	<b>20</b>	<b>2111</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2543</b>
<b>Total Primary Supply [8]</b>	<b>8637</b>	<b>-9</b>	<b>2304</b>	<b>20</b>	<b>8167</b>	<b>0</b>	<b>676</b>	<b>1149</b>	<b>1189</b>	<b>22133</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.6b: Sources and Uses of Energy, 2010, Case 2  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	752	24	4	614	264	0	90	0	0	1748
Commercial	500	29	0	492	100	0	0	0	0	1122
Petrochemical	208	394	0	0	189	0	0	0	0	791
Industrial	1234	31	182	946	340	29	560	0	0	3322
Transportation	7	36	0	3	2371	0	0	0	0	2418
Road	7	36	0	3	1943	0	0	0	0	1989
Rail	0	0	0	0	84	0	0	0	0	84
Air	0	0	0	0	230	0	0	0	0	230
Marine	0	0	0	0	114	0	0	0	0	114
Non-Energy Use	0	0	0	0	288	0	0	0	0	288
<b>Total End Use</b>	2702	513	186	2055	3552	30	650	0	0	9688
<b>Own Use and Losses [4]</b>	960	12	18	169	426	0	0	0	0	1586
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	284	0	362	-2205	26	0	40	1136	357	0
Refinery Propane Production	0	-39	0	0	39	0	0	0	0	0
Refinery Butanes Production	0	-21	0	0	21	0	0	0	0	0
Butane used in Refineries	0	73	0	0	-73	0	0	0	0	0
Steam Production	20	0	0	0	2	-30	0	0	7	0
NGL Production from Reprocessing	928	-928	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	1233	-915	362	-2205	15	-30	40	1136	364	0
<b>Conversion Losses-Domestic</b>										
Electricity Generation	131	0	603	0	36	0	-5	0	718	1483
Coke Production	0	0	9	0	0	0	0	0	0	9
Steam Production	5	0	0	0	1	0	0	0	2	7
<b>Total Conversion Losses</b>	136	0	612	0	37	0	-5	0	720	1499
<b>Domestic Demand for Primary Energy</b>	5031	-390	1178	19	4030	0	684	1136	1084	12773
<b>Export Demand</b>										
<b>Total Energy Exports</b>	4253	394	1206	118	4223	0	0	0	0	10194
<b>Conversions for Export [6]</b>										
Electricity	8	0	17	-118	0	0	0	84	-22	-31
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	8	0	17	-118	0	0	0	84	-22	-31
<b>Conversion Losses-Export</b>										
Electricity Generation	10	0	21	0	0	0	0	0	50	80
<b>Export Demand for Primary Energy [6]</b>	4271	394	1243	0	4223	0	0	84	28	10243
<b>Total Primary Demand [7]</b>	9302	4	2421	19	8253	0	684	1220	1112	23016
<b>Primary Domestic Production</b>	9230	4	2001	0	5948	0	684	1220	1112	20200
<b>Primary Energy Imports [7]</b>	72	0	420	19	2097	0	0	0	0	2608
<b>Total Primary Supply [8]</b>	9302	4	2421	19	8045	0	684	1220	1112	22808

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.7b: Sources and Uses of Energy, 2015, Case 2  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	763	25	4	639	266	0	88	0	0	1785
Commercial	521	31	0	517	105	0	0	0	0	1174
Petrochemical	225	422	0	0	204	0	0	0	0	851
Industrial	1306	33	175	1038	379	30	577	0	0	3537
Transportation	7	37	0	3	2442	0	0	0	0	2490
Road	7	37	0	3	1990	0	0	0	0	2038
Rail	0	0	0	0	86	0	0	0	0	86
Air	0	0	0	0	245	0	0	0	0	245
Marine	0	0	0	0	120	0	0	0	0	120
Non-Energy Use	0	0	0	0	302	0	0	0	0	302
<b>Total End Use</b>	<b>2823</b>	<b>547</b>	<b>179</b>	<b>2197</b>	<b>3698</b>	<b>30</b>	<b>665</b>	<b>0</b>	<b>0</b>	<b>10139</b>
<b>Own Use and Losses [4]</b>	<b>1021</b>	<b>14</b>	<b>19</b>	<b>174</b>	<b>442</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1671</b>
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	343	0	379	-2350	27	0	39	1163	399	0
Refinery Propane Production	0	-40	0	0	40	0	0	0	0	0
Refinery Butanes Production	0	-21	0	0	21	0	0	0	0	0
Butane used in Refineries	0	75	0	0	-75	0	0	0	0	0
Steam Production	21	0	0	0	2	-30	0	0	7	0
NGL Production from Reprocessing	845	-845	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>1209</b>	<b>-832</b>	<b>379</b>	<b>-2350</b>	<b>16</b>	<b>-30</b>	<b>39</b>	<b>1163</b>	<b>407</b>	<b>0</b>
<b>Conversion Losses-Domestic</b>										
Electricity Generation	155	0	606	0	31	0	-5	0	807	1594
Coke Production	0	0	8	0	0	0	0	0	0	8
Steam Production	5	0	0	0	1	0	0	0	2	8
<b>Total Conversion Losses</b>	<b>160</b>	<b>0</b>	<b>614</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>-5</b>	<b>0</b>	<b>808</b>	<b>1610</b>
<b>Domestic Demand for Primary Energy</b>	<b>5214</b>	<b>-271</b>	<b>1191</b>	<b>21</b>	<b>4188</b>	<b>0</b>	<b>699</b>	<b>1163</b>	<b>1215</b>	<b>13420</b>
<b>Export Demand</b>										
<b>Total Energy Exports</b>	<b>4537</b>	<b>283</b>	<b>1255</b>	<b>90</b>	<b>3847</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10013</b>
<b>Conversions for Export [6]</b>										
Electricity	8	0	15	-90	0	0	0	58	-16	-25
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	<b>8</b>	<b>0</b>	<b>15</b>	<b>-90</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>-16</b>	<b>-25</b>
<b>Conversion Losses-Export</b>										
Electricity Generation	7	0	14	0	0	0	0	0	44	64
<b>Export Demand for Primary Energy [6]</b>	<b>4552</b>	<b>283</b>	<b>1284</b>	<b>0</b>	<b>3847</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>28</b>	<b>10052</b>
<b>Total Primary Demand [7]</b>	<b>9766</b>	<b>12</b>	<b>2475</b>	<b>21</b>	<b>8035</b>	<b>0</b>	<b>699</b>	<b>1221</b>	<b>1243</b>	<b>23472</b>
<b>Primary Domestic Production</b>	<b>9717</b>	<b>12</b>	<b>2049</b>	<b>0</b>	<b>5660</b>	<b>0</b>	<b>699</b>	<b>1221</b>	<b>1243</b>	<b>20600</b>
<b>Primary Energy Imports [7]</b>	<b>49</b>	<b>0</b>	<b>425</b>	<b>21</b>	<b>2151</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2647</b>
<b>Total Primary Supply [8]</b>	<b>9766</b>	<b>12</b>	<b>2475</b>	<b>21</b>	<b>7811</b>	<b>0</b>	<b>699</b>	<b>1221</b>	<b>1243</b>	<b>23247</b>

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A9.8b: Sources and Uses of Energy, 2020, Case 2  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	771	26	4	665	271	0	86	0	0	1823
Commercial	537	33	0	543	111	0	0	0	0	1224
Petrochemical	244	366	0	0	221	0	0	0	0	830
Industrial	1352	34	169	1121	432	30	586	0	0	3723
Transportation	8	38	0	3	2488	0	0	0	0	2537
Road	8	38	0	3	2011	0	0	0	0	2060
Rail	0	0	0	0	88	0	0	0	0	88
Air	0	0	0	0	263	0	0	0	0	263
Marine	0	0	0	0	126	0	0	0	0	126
Non-Energy Use	0	0	0	0	316	0	0	0	0	316
<b>Total End Use</b>	2911	496	173	2332	3838	30	673	0	0	10452
<b>Own Use and Losses [4]</b>	1033	15	19	178	458	0	0	0	0	1702
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	434	0	392	-2484	27	0	39	1194	398	0
Refinery Propane Production	0	-40	0	0	40	0	0	0	0	0
Refinery Butanes Production	0	-22	0	0	22	0	0	0	0	0
Butane used in Refineries	0	75	0	0	-75	0	0	0	0	0
Steam Production	28	0	0	0	2	-30	0	0	0	0
NGL Production from Reprocessing	551	-551	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	1013	-538	392	-2484	16	-30	39	1194	398	0
<b>Conversion Losses-Domestic</b>										
Electricity Generation	205	0	540	0	24	0	-5	0	820	1584
Coke Production	0	0	8	0	0	0	0	0	0	8
Steam Production	7	0	0	0	1	0	0	0	0	8
<b>Total Conversion Losses</b>	212	0	548	0	25	0	-5	0	820	1599
<b>Domestic Demand for Primary Energy</b>	5168	-28	1132	26	4337	0	707	1194	1217	13754
<b>Export Demand</b>										
<b>Total Energy Exports</b>	4126	7	1287	84	3290	0	0	0	0	8794
<b>Conversions for Export [6]</b>										
Electricity	1	0	8	-84	0	0	0	66	-34	-43
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	1	0	8	-84	0	0	0	66	-34	-43
<b>Conversion Losses-Export</b>										
Electricity Generation	-1	0	12	0	0	0	0	0	62	73
<b>Export Demand for Primary Energy [6]</b>	4126	7	1306	0	3290	0	0	66	28	8823
<b>Total Primary Demand [7]</b>	9294	-21	2438	26	7628	0	707	1260	1245	22577
<b>Primary Domestic Production</b>	9274	-21	2058	0	5076	0	707	1260	1245	19599
<b>Primary Energy Imports [7]</b>	21	0	380	26	2316	0	0	0	0	2743
<b>Total Primary Supply [8]</b>	9294	-21	2438	26	7392	0	707	1260	1245	22342

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.



Table A9.9b: Sources and Uses of Energy, 2025, Case 2  
Total Energy Balance - Canada

(Petajoules)

	Natural Gas	NGL [1]	Coal, Coke Coke Gas	Electricity	Oil [2]	Steam	Renewable Fuels	Hydro [3]	Nuclear [5]	Total
<b>Domestic Demand</b>										
<b>End Use</b>										
Residential	774	27	3	687	274	0	84	0	0	1850
Commercial	543	34	0	563	115	0	0	0	0	1255
Petrochemical	264	375	0	0	239	0	0	0	0	877
Industrial	1362	34	159	1180	484	28	584	0	0	3832
Transportation	8	39	0	3	2544	0	0	0	0	2594
Road	8	39	0	3	2032	0	0	0	0	2082
Rail	0	0	0	0	89	0	0	0	0	89
Air	0	0	0	0	290	0	0	0	0	290
Marine	0	0	0	0	133	0	0	0	0	133
Non-Energy Use	0	0	0	0	331	0	0	0	0	331
<b>Total End Use</b>	2951	508	162	2433	3987	29	668	0	0	10739
<b>Own Use and Losses [4]</b>	1052	15	19	188	475	0	0	0	0	1749
<b>Conversions for Domestic Use [5]</b>										
Electricity Generation	519	0	396	-2590	31	0	39	1238	367	0
Refinery Propane Production	0	-39	0	0	39	0	0	0	0	0
Refinery Butanes Production	0	-22	0	0	22	0	0	0	0	0
Butane used in Refineries	0	74	0	0	-74	0	0	0	0	0
Steam Production	27	0	0	0	2	-29	0	0	0	0
NGL Production from Reprocessing	313	-313	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	859	-300	396	-2590	20	-29	39	1238	367	0
<b>Conversion Losses-Domestic</b>										
Electricity Generation	250	0	503	0	32	0	-5	0	765	1546
Coke Production	0	0	8	0	0	0	0	0	0	8
Steam Production	7	0	0	0	0	0	0	0	0	7
<b>Total Conversion Losses</b>	257	0	511	0	33	0	-5	0	765	1561
<b>Domestic Demand for Primary Energy</b>	5119	223	1088	31	4515	0	703	1238	1132	14048
<b>Export Demand</b>										
<b>Total Exports</b>	3716	0	1319	90	2793	0	0	0	0	7918
<b>Conversions for Export [6]</b>										
Electricity	9	0	8	-90	0	0	0	72	0	0
NGL Production Reprocessing	0	0	0	0	0	0	0	0	0	0
<b>Total Conversions</b>	9	0	8	-90	0	0	0	72	0	0
<b>Conversion Losses-Export</b>										
Electricity Generation	5	0	16	0	0	0	0	0	0	21
<b>Export Demand for Primary Energy [6]</b>	3730	0	1343	0	2793	0	0	72	0	7939
<b>Total Primary Demand [7]</b>	8849	223	2431	31	7308	0	703	1311	1132	21988
<b>Primary Domestic Production</b>	8848	223	2075	0	4596	0	703	1311	1132	18887
<b>Primary Energy Imports [7]</b>	1	209	356	31	2451	0	0	0	0	3048
<b>Total Primary Supply [8]</b>	8849	432	2431	31	7047	0	703	1311	1132	21936

[1] Natural gas liquids domestic demand is assumed to be met from refineries, reprocessing and primary supply in that order

[2] Differences in oil supply and disposition result from differences in conversion factors

[3] Hydro is converted at 3.6 GJ/MWh. Nuclear and fossil fuel sources are converted on the basis of specific plant thermal efficiencies.

[4] Includes own use and conversion losses associated with domestic end use and exports. Own use includes pipeline fuel and reprocessing fuel for natural gas, energy industry fuel for NGL, losses in the production of coke for coal, transmission and distribution losses for electricity and refinery and terminal consumption for oil

[5] A negative number indicates conversion of another energy form into the subject energy form. A positive number indicates the subject energy source is converted to some other energy form.

[6] Includes exports of oil products.

[7] Includes imports of oil products.

[8] Demand and Supply may not balance due to inventory changes and differences between data sources in estimates of processing losses, pipeline fuel and energy conversion factors.

Table A10.1: Greenhouse Gas Emissions Factors

Combustion Sources	CO <sub>2</sub>		CH <sub>4</sub>		N <sub>2</sub> O	
<b>Gaseous Fuels</b>						
Natural Gas	49.68	t/TJ	1.14 - 1.27	kg/TJ	0.54	kg/TJ
Still Gas	49.68	t/TJ	-		0.62	kg/TJ
<b>Liquid Fuels</b>						
Motor Gasoline (Cars)	67.98	t/TJ	0.02 - 0.05	g/km	0.047	g/km
Motor Gasoline (Light Trucks)	67.98	t/TJ	0.03 - 0.06	g/km	0.081	g/km
Diesel (Cars)	70.69	t/TJ	0.01	g/km	0.058	g/km
Diesel (Light Trucks)	70.69	t/TJ	0.01	g/km	0.074	g/km
Gasoline (Heavy Trucks)	67.98	t/TJ	0.06 - 0.1	g/km	0.662	g/km
Diesel (Heavy Trucks)	70.69	t/TJ	0.03	g/km	0.155	g/km
Kerosene	67.65	t/TJ	0.16 - 5.68	kg/TJ	6.1	kg/TJ
Aviation Gasoline	69.37	t/TJ	60	kg/TJ	6.86	kg/TJ
Aviation Turbo Fuel	70.84	t/TJ	2	kg/TJ	6.96	kg/TJ
LPG	59.84	t/TJ	1.11 - 1.13	kg/TJ	9	kg/TJ
Diesel Fuel Oil	70.69	t/TJ	5.17	kg/TJ	3.33	kg/TJ
Diesel (Marine Transportation)	70.69	t/TJ	6.72	kg/TJ	10.08	kg/TJ
Diesel (Rail Transportation)	70.69	t/TJ	6.72	kg/TJ	10.34	kg/TJ
Light Fuel Oil	73.11	t/TJ	0.16 - 5.53	kg/TJ	3.33	kg/TJ
Heavy Fuel Oil	74	t/TJ	1.44 - 6.75	kg/TJ	3.09	kg/TJ
Petroleum Coke	100.1	t/TJ	2.83	kg/TJ	3.05	kg/TJ
<b>Solid Fuels</b>						
Anthracite Coal	86.06	t/TJ	0.54 - 0.91	kg/TJ	2.25	kg/TJ
U.S. Bituminous Coal	81.6 - 85.9	t/TJ	0.54 - 0.91	kg/TJ	2.25	kg/TJ
Canadian Bituminous Coal	83.0 - 94.3	t/TJ	0.54 - 0.91	kg/TJ	2.25	kg/TJ
Sub-Bituminous Coal	94.3	t/TJ	0.54 - 0.91	kg/TJ	2.25	kg/TJ
Lignite	93.8 - 95.0	t/TJ	0.54 - 0.91	kg/TJ	2.25	kg/TJ
Coke	86	t/TJ	0.51	kg/TJ	1.73	kg/TJ
Fuel Wood	81.5	t/TJ	12.1	kg/TJ	8.89	kg/TJ
Hog Fuel	83.3	t/TJ	8.33	kg/TJ	8.89	kg/TJ
Municipal Solid Waste	85.8	t/TJ	12.1	kg/TJ	8.89	kg/TJ
<b>Process Sources</b>						
Spent Pulping Liquor	107.4	t/TJ	12.1	kg/TJ	8.89	kg/TJ
<b>Energy Production Sources</b>						
Bituminen Production	439.2	kg/m <sup>3</sup>	25.04	kg/m <sup>3</sup>	2.45	kg/m <sup>3</sup>
Oil Sands	741.2	kg/m <sup>3</sup>	42.47	kg/m <sup>3</sup>	8.56	kg/m <sup>3</sup>
Gas Production	77.66	g/m <sup>3</sup>	79.07	g/m <sup>3</sup>	2.25	g/m <sup>3</sup>
Gas Processing	88.25	g/m <sup>3</sup>	7.76	g/m <sup>3</sup>	-	
Gas Pipelines	88.25	g/m <sup>3</sup>	36.71	g/m <sup>3</sup>	0.047	g/m <sup>3</sup>
Gas Distribution	0.71	g/m <sup>3</sup>	21.12	g/m <sup>3</sup>	2.99	g/m <sup>3</sup>
Frontier Oil Production	62.92	kg/m <sup>3</sup>	48.32	kg/m <sup>3</sup>	-	
Light Oil Production	145.9	kg/m <sup>3</sup>	48.32	kg/m <sup>3</sup>	-	
Heavy Oil Production	64.2	kg/m <sup>3</sup>	369.15	kg/m <sup>3</sup>	-	
Oil Pipelines	0.19	kg/m <sup>3</sup>	-		2.47	kg/m <sup>3</sup>
Well Drilling	0.39	kg/TJ	0.03	kg/TJ	0.04	kg/TJ
Well Servicing	0.093	kg/TJ	0.09	kg/TJ	-	kg/TJ
Open Pit Coal Mines	-		0.49	kg/t	-	
Underground Coal Mines	-		13.96	kg/t	-	

Table A10.2a: Greenhouse Gas Emissions, Case 1

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Carbon Dioxide Emissions (kt CO<sub>2</sub>)</b>									
Residential	52373	58180	55534	57346	60698	63436	65777	67651	69182
Commercial	28287	29488	29912	31060	33409	35628	37957	40155	41855
Industrial	99273	104973	105330	111508	121558	128117	137828	148058	155063
Transportation	139227	142808	147728	152187	164253	175257	186958	198565	212296
Electric Power	104070	99770	108034	122743	113204	125220	136848	144448	155705
Fossil Fuel Generation	65561	67501	68902	75843	92707	100756	106492	110690	108665
<b>Total</b>	<b>488792</b>	<b>502721</b>	<b>515440</b>	<b>550688</b>	<b>585830</b>	<b>628413</b>	<b>671860</b>	<b>709567</b>	<b>742766</b>
<b>Methane Emissions (kt CH<sub>4</sub>)</b>									
Residential	2	2	2	2	2	3	3	3	3
Commercial	1	1	1	1	1	1	1	1	1
Industrial	2	3	3	3	3	3	4	4	4
Transportation	15	18	18	16	17	16	17	17	18
Electric Power	1	1	1	1	1	1	1	2	2
Fossil Fuel Generation	1791	1846	1813	1731	1670	1642	1589	1549	1454
<b>Total</b>	<b>1812</b>	<b>1871</b>	<b>1838</b>	<b>1754</b>	<b>1695</b>	<b>1665</b>	<b>1614</b>	<b>1575</b>	<b>1482</b>
<b>Nitrous Oxide Emissions (kt N<sub>2</sub>O)</b>									
Residential	1	2	2	2	2	2	2	2	2
Commercial	0	0	0	0	0	0	0	1	1
Industrial	3	3	3	3	3	3	3	4	4
Transportation	45	46	47	48	52	56	59	63	69
Electric Power	3	2	3	3	3	3	3	3	3
Fossil Fuel Generation	4	4	4	5	6	7	7	7	7
<b>Total</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>61</b>	<b>66</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>86</b>
<b>Total GHG Emissions (kt CO<sub>2</sub> Equivalent)</b>									
Carbon Dioxide	488792	502721	515440	550688	585830	628413	671860	709567	742766
Methane [1]	38045	39293	38592	36828	35592	34973	33898	33081	31117
Nitrous Oxide [2]	17390	17695	18137	18787	20377	21813	23321	24826	26564
<b>Total</b>	<b>544227</b>	<b>559709</b>	<b>572169</b>	<b>606303</b>	<b>641798</b>	<b>685199</b>	<b>729080</b>	<b>767473</b>	<b>800447</b>
<b>Biomass Emissions</b>	<b>61841</b>	<b>60067</b>	<b>62613</b>	<b>65936</b>	<b>69940</b>	<b>72117</b>	<b>75555</b>	<b>78283</b>	<b>79697</b>

[1] Global Warming Potential = 21

[2] Global Warming Potential = 310

Table A10.2b: Greenhouse Gas Emissions, Case 2

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Carbon Dioxide Emissions (kt CO<sub>2</sub>)</b>									
Residential	52373	58180	55534	55563	57171	58121	58863	59654	60090
Commercial	28287	29488	29912	30674	32358	33833	35353	36617	37313
Industrial	99273	104973	105330	109595	116566	119848	125596	131685	134680
Transportation	139227	142808	147728	151690	160788	166547	171579	174925	178963
Electric Power	104070	99770	108034	118613	109047	118439	123159	123240	128803
Fossil Fuel Generation	65561	67501	68902	74493	83735	90174	92655	92049	87222
<b>Total</b>	<b>488792</b>	<b>502721</b>	<b>515440</b>	<b>540628</b>	<b>559664</b>	<b>586962</b>	<b>607205</b>	<b>618169</b>	<b>627071</b>
<b>Methane Emissions (kt CH<sub>4</sub>)</b>									
Residential	2	2	2	2	2	2	2	2	2
Commercial	1	1	1	1	1	1	1	1	1
Industrial	2	3	3	3	3	3	3	4	4
Transportation	15	18	18	16	17	16	17	18	19
Electric Power	1	1	1	1	1	1	1	1	2
Fossil Fuel Generation	1791	1846	1813	1697	1572	1521	1425	1304	1159
<b>Total</b>	<b>1812</b>	<b>1871</b>	<b>1838</b>	<b>1720</b>	<b>1597</b>	<b>1544</b>	<b>1450</b>	<b>1330</b>	<b>1186</b>
<b>Nitrous Oxide Emissions (kt N<sub>2</sub>O)</b>									
Residential	1	2	2	2	2	2	2	2	2
Commercial	0	0	0	0	0	0	0	0	0
Industrial	3	3	3	3	3	3	3	4	4
Transportation	45	46	47	48	52	56	60	64	69
Electric Power	3	2	3	3	2	3	3	3	3
Fossil Fuel Generation	4	4	4	5	5	6	6	6	6
<b>Total</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>60</b>	<b>65</b>	<b>69</b>	<b>74</b>	<b>79</b>	<b>84</b>
<b>Total GHG Emissions (kt CO<sub>2</sub> Equivalent)</b>									
Carbon Dioxide	488792	502721	515440	540628	559664	586962	607205	618169	627071
Methane [1]	38045	39293	38592	36124	33529	32421	30446	27924	24914
Nitrous Oxide [2]	17390	17695	18137	18682	20112	21512	22960	24352	26042
<b>Total</b>	<b>544227</b>	<b>559709</b>	<b>572169</b>	<b>595434</b>	<b>613305</b>	<b>640895</b>	<b>660611</b>	<b>670444</b>	<b>678027</b>
<b>Biomass Emissions</b>	<b>61841</b>	<b>60067</b>	<b>62613</b>	<b>64940</b>	<b>67339</b>	<b>67925</b>	<b>69318</b>	<b>70122</b>	<b>69682</b>

[1] Global Warming Potential = 21

[2] Global Warming Potential = 310

Table A10.2c: Greenhouse Gas Emissions, A&amp;R Sensitivity

	1995	1996	1997	2000	2005	2010	2015	2020	2025
<b>Carbon Dioxide Emissions (kt CO<sub>2</sub>)</b>									
Residential	52373	58180	55534	55427	56767	57437	57906	58410	58549
Commercial	28287	29488	29912	30673	32352	33822	35342	36605	37301
Industrial	99273	104973	105330	109265	115667	118345	123486	129089	131618
Transportation	139227	142808	147728	151690	160578	164820	166677	166715	168332
Electric Power	104070	99770	108034	118518	108197	116436	119363	112662	114560
Fossil Fuel Generation	65561	67501	68902	74493	83735	90174	92655	92049	87222
<b>Total</b>	<b>488792</b>	<b>502721</b>	<b>515440</b>	<b>540066</b>	<b>557296</b>	<b>581035</b>	<b>595428</b>	<b>595530</b>	<b>597581</b>
<b>Methane Emissions (kt CH<sub>4</sub>)</b>									
Residential	2	2	2	2	2	2	2	2	2
Commercial	1	1	1	1	1	1	1	1	1
Industrial	2	3	3	3	3	3	3	3	4
Transportation	15	18	18	16	17	16	17	18	19
Electric Power	1	1	1	1	1	1	1	1	1
Fossil Fuel Generation	1791	1846	1813	1697	1572	1520	1425	1303	1158
<b>Total</b>	<b>1812</b>	<b>1871</b>	<b>1838</b>	<b>1720</b>	<b>1596</b>	<b>1544</b>	<b>1449</b>	<b>1328</b>	<b>1185</b>
<b>Nitrous Oxide Emissions (kt N<sub>2</sub>O)</b>									
Residential	1	2	2	2	2	2	2	2	2
Commercial	0	0	0	0	0	0	0	0	0
Industrial	3	3	3	3	3	3	3	4	4
Transportation	45	46	47	48	52	56	60	64	69
Electric Power	3	2	3	3	2	3	3	2	2
Fossil Fuel Generation	4	4	4	5	5	6	6	6	6
<b>Total</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>60</b>	<b>65</b>	<b>69</b>	<b>74</b>	<b>78</b>	<b>84</b>
<b>Total GHG Emissions (kt CO<sub>2</sub> Equivalent)</b>									
Carbon Dioxide	488792	502721	515440	540066	557296	581035	595428	595530	597581
Methane [1]	38045	39293	38592	36123	33526	32415	30430	27896	24876
Nitrous Oxide [2]	17390	17695	18137	18678	20097	21533	22909	24255	25980
<b>Total</b>	<b>544227</b>	<b>559709</b>	<b>572169</b>	<b>594868</b>	<b>610918</b>	<b>634983</b>	<b>648768</b>	<b>647681</b>	<b>648437</b>
<b>Biomass Emissions</b>	<b>61841</b>	<b>60067</b>	<b>62613</b>	<b>65395</b>	<b>68790</b>	<b>70730</b>	<b>74209</b>	<b>77887</b>	<b>79465</b>

[1] Global Warming Potential = 21

[2] Global Warming Potential = 310