

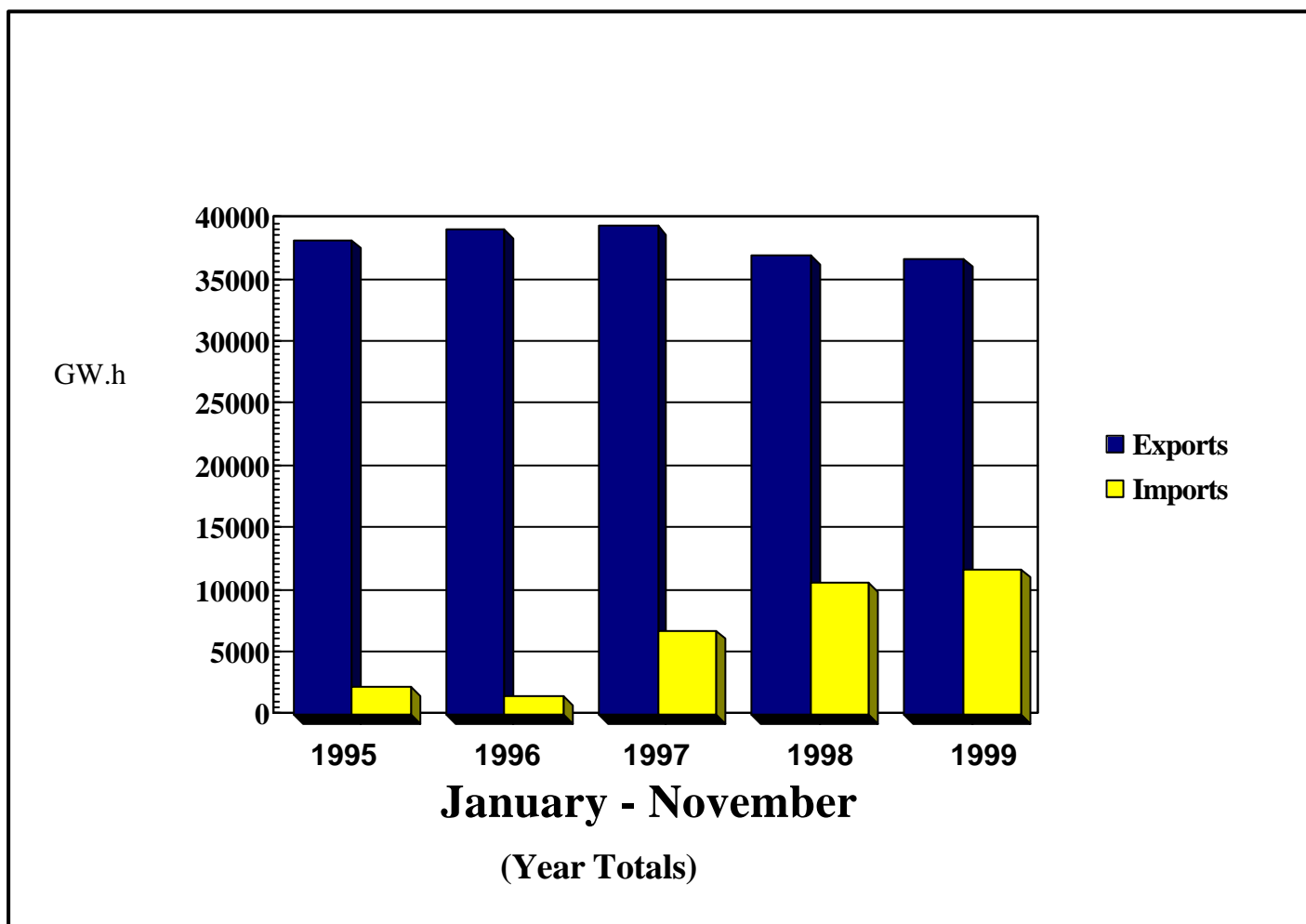


# Electricity Exports and Imports

## Monthly Statistics for: **November 1999**

Exports: **3628** GW.h

Imports: **1031** GW.h





National Energy Board  
Office national de l'énergie

# TABLE 1

## Exports and Imports of Electricity

### Summary: Canada

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	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Exports of Electric Energy</b>	Firm	1 965 841	16 906 406	71 286 894	739 324 873	26.55	30.22
	Interruptible	1 662 577	19 875 594	73 755 359	931 396 121	44.17	46.12
	Non-Revenue/Inadvertant	78 934	508 765	0	0	0.00	0.00
	Service	26 167	165 056	3 900	19 656	0.15	0.09
<b>Total Exports</b>		<b>3 733 519</b>	<b>37 455 821</b>	<b>145 046 153</b>	<b>1 670 740 649</b>	<b>33.65</b>	<b>37.88</b>
Total Sales - Firm and Interruptible		3 628 418	36 782 000	145 042 253	1 670 720 994	34.62	38.63
<b>Imports of Electric Energy</b>	Non-Revenue/Inadvertant	82 592	323 057	0	- 643 566	0.00	-1.98
	Purchase	1 030 912	11 771 931	31 985 457	347 249 099	30.78	28.01
	Service	55 068	1 227 139	40 731	112 728	0.74	0.12
<b>Total Imports</b>		<b>1 168 572</b>	<b>13 322 127</b>	<b>32 026 188</b>	<b>346 718 261</b>	<b>27.19</b>	<b>24.41</b>
<b>Excess of Exports Over Imports</b>		<b>2 564 947</b>	<b>24 133 694</b>	<b>113 019 964</b>	<b>1 324 022 388</b>		
<b>Number of Export Licences:</b>		<b>16</b>					
<b>Number of Export Permits/Orders:</b>		<b>96</b>					
		<b>112</b>					

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

Additional Notes:

- Revenue for Permit 92 not available.

*For further information, contact:*  
**Dave Walker,**  
**Research Officer,**  
**Energy Commodities Branch**  
**National Energy Board**  
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## TABLE 2A

### Export Summary Report

#### by Source, Authorization and Exchange Type

Source	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Alberta</b>								
TransAlta Ener.	Permit 74	F	7 147	17 770	274 328	648 802	38.38	35.54
TransCanada	Permit 78	I	572	6 076	20 046	180 892	35.05	29.77
<b>Subtotal Firm and Interruptible Exports: Alberta</b>			<b>7 719</b>	<b>23 846</b>	<b>294 374</b>	<b>829 694</b>	<b>38.14</b>	<b>34.19</b>
<b>British Columbia</b>								
BC Hydro	Permit 105	F	104	908	2 282	61 086	21.86	72.76
	Treaty	N	25 255	219 988	0	0	0.00	0.00
Cominco	Permit 57	I	0	16 950	0	538 967	0.00	37.04
	Permit 131	I	0	41 341	0	2 371 606	0.00	57.37
	Permit 132	F	23 730	47 720	979 028	2 233 450	41.26	46.80
Powerex	Permit 92	F	82 800	671 196	0	0	0.00	0.00
	Permit 95	F	9 720	76 490	310 649	2 389 228	31.96	31.50
	Permit 118	I	757 288	8 758 647	42 025 403	414 535 645	55.49	47.33
	Permit 119	F	19 623	249 855	532 008	5 883 985	27.11	23.92
West Kootenay	Permit 13	F	0	22	0	1 489	0.00	67.45
	Permit 66	I	0	3 515	0	85 561	0.00	24.34
<b>Subtotal Firm and Interruptible Exports: British Columbia</b>			<b>893 265</b>	<b>9 866 645</b>	<b>43 849 369</b>	<b>428 101 015</b>	<b>49.09</b>	<b>42.98</b>

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 2A

### Export Summary Report

#### by Source, Authorization and Exchange Type

Source	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Manitoba</b>								
Manitoba Hydro	Licence 170	F	258 170	3 064 935	13 696 392	166 847 564	21.06	22.55
	Permit 33	F	0	180 701	0	3 774 374	0.00	20.90
	Permit 34	F	0	128 419	910 872	3 838 353	0.00	22.62
	Permit 35	F	0	131 350	0	3 152 622	0.00	24.62
	Permit 45	F	41 025	876 687	1 558 353	44 076 660	33.93	37.57
	Permit 46	I	254 810	2 671 448	6 408 445	89 754 736	25.38	33.23
		N	-32 236	-1 014 402	0	0	0.00	0.00
	Permit 52	F	0	35 135	0	1 989 056	0.00	24.72
	Permit 61	F	0	3 625	0	167 143	0.00	46.34
	Permit 68	F	9 390	119 637	490 490	6 069 842	22.43	24.88
	Permit 128	F	371	726	22 441	39 521	60.49	54.44
<b>Subtotal Firm and Interruptible Exports: Manitoba</b>			<b>563 766</b>	<b>7 212 663</b>	<b>23 086 992</b>	<b>319 709 871</b>	<b>24.00</b>	<b>28.31</b>
<b>New Brunswick</b>								
Fraser Inc.	Permit 102	F	24 390	280 260	1 680 050	19 328 977	68.88	68.29
Maine & NB	Licence 177	F	0	62 807	0	1 540 065	0.00	17.66
NB Power	Permit 15	I	0	153	0	12 172	0.00	79.56
		N	- 790	1 113	0	0	0.00	0.00

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 2A

### Export Summary Report by Source, Authorization and Exchange Type

Source	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
NB Power	Permit 16	I	18 627	168 191	1 052 349	9 524 421	56.50	56.59
		N	-1 306	-28 184	0	0	0.00	0.00
	Permit 17	S	9 516	70 922	0	0	0.00	0.00
		I	744	20 459	37 401	1 036 904	50.27	50.74
	Permit 18	N	187	61	0	0	0.00	0.00
		F	5	44	477	4 671	104.53	108.48
	Permit 47	F	6 855	76 456	547 386	5 912 031	52.90	52.90
	Permit 91	I	362 987	3 901 228	16 186 606	166 604 214	43.59	41.69
PDI Canada Inc.	Licence 177	F	15 010	58 423	390 069	1 697 302	20.32	21.78
<b>Subtotal Firm and Interruptible Exports: New Brunswick</b>			<b>428 618</b>	<b>4 568 021</b>	<b>19 894 338</b>	<b>205 660 757</b>	<b>44.93</b>	<b>43.58</b>
<b>Ontario</b>								
Cdn. Niagara	Permit 84	F	32 415	326 548	772 453	11 904 009	23.83	35.75
D&W Subway	Permit 26	F	149 000	304 889	0	0	0.00	0.00
Ind Ele Mark Op	Permit 22	N	93 807	1 039 356	0	0	0.00	0.00
Ont Power Gen	Permit 24	F	16	99	32	160	1.98	1.61
Ont. Hydro/OHIM	Permit 21	I	0	258 316	0	9 842 397	0.00	35.05
		S	0	11 112	0	11 572	0.00	0.18

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 2A

### Export Summary Report

#### by Source, Authorization and Exchange Type

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Source	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
Ontario Hydro	Permit 22	N	0	354 584	0	0	0.00	0.00
	Permit 24	F	0	64	0	127	0.00	2.00
OPGI/OHIM	Permit 21	I	117 756	1 905 443	4 181 200	141 109 062	35.40	71.75
		S	16 651	24 072	3 900	8 084	0.23	0.34
<b>Subtotal Firm and Interruptible Exports: Ontario</b>			<b>299 187</b>	<b>2 795 358</b>	<b>4 953 685</b>	<b>162 855 755</b>	<b>16.52</b>	<b>55.28</b>
<b>Quebec</b>								
Hydro-Quebec	Licence 176	F	632 409	5 102 551	17 794 949	159 813 483	28.14	31.45
	Licence 180	F	92 872	1 029 460	8 885 620	99 565 343	38.20	38.41
	Licence 181	F	15 103	221 274	1 441 270	20 349 291	38.20	38.55
	Licence 182	F	12 942	157 517	1 272 286	14 698 538	38.20	38.41
	Licence 183	F	28 393	281 398	2 533 200	25 202 695	38.20	38.39
	Licence 184	F	12 023	145 327	1 235 321	13 683 012	38.20	38.41
	Permit 64	I	149 593	2 071 566	3 833 587	93 341 218	25.63	45.07
	Permit 65	F	486 062	3 157 606	15 717 734	119 541 235	32.34	34.78
<b>Subtotal Firm and Interruptible Exports: Quebec</b>			<b>1 429 397</b>	<b>12 166 699</b>	<b>52 713 966</b>	<b>546 194 815</b>	<b>30.44</b>	<b>35.62</b>
<b>Saskatchewan</b>								
Powerex	Permit 116	I	0	2 433	0	93 587	0.00	38.89

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 2A

### Export Summary Report

#### by Source, Authorization and Exchange Type

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Source	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
Sask. Power	Licence 118	S	0	58 950	0	0	0.00	0.00
	Licence 119	I	200	49 828	10 322	2 364 739	51.61	47.44
		N	-5 983	-63 751	0	0	0.00	0.00
	Permit 89	F	6 266	96 507	239 207	4 910 760	38.18	50.78
<b>Subtotal Firm and Interruptible Exports: Saskatchewan</b>			<b>6 466</b>	<b>148 768</b>	<b>249 528</b>	<b>7 369 086</b>	<b>38.59</b>	<b>49.42</b>
<b>Total Firm and Interruptible Exports:</b>			<b>3 628 418</b>	<b>36 782 000</b>	<b>145 042 253</b>	<b>1 670 720 994</b>	<b>34.62</b>	<b>38.63</b>

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 2B

### Import Summary Report

#### by Destination, Authorization and Exchange Type

Destination	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Alberta</b>								
TransAlta	-	P	238	2 540	10 142	107 583	42.60	42.52
TransAlta Ener.		P	20 800	270 361	787 537	9 506 272	37.86	35.18
TransCanada		P	50	108 941	2 202	3 138 631	44.04	28.81
<b>Subtotal Purchased Imports: Alberta</b>			<b>21 088</b>	<b>381 842</b>	<b>799 881</b>	<b>12 752 486</b>	<b>37.93</b>	<b>33.42</b>
<b>British Columbia</b>								
BC Hydro		P	8	231	559	15 083	69.88	63.94
Cominco		P	0	10 535	0	0	0.00	0.00
Powerex		P	609 936	5 856 288	19 059 476	136 857 488	31.25	23.88
West Kootenay		P	5 404	77 846	381 586	2 372 325	26.32	21.67
<b>Subtotal Purchased Imports: British Columbia</b>			<b>615 348</b>	<b>5 944 900</b>	<b>19 441 621</b>	<b>139 244 896</b>	<b>31.21</b>	<b>23.82</b>
<b>Manitoba</b>								
Manitoba Hydro		N	-24 180	-1 026 106	0	0	0.00	0.00

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.





## TABLE 2B Import Summary Report by Destination, Authorization and Exchange Type

Destination	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
Manitoba Hydro	-	P	28 729	1 300 286	622 670	27 116 311	21.08	20.98
<b>Subtotal Purchased Imports: Manitoba</b>			<b>28 729</b>	<b>1 300 286</b>	<b>622 670</b>	<b>27 116 311</b>	<b>21.08</b>	<b>20.98</b>
<b>New Brunswick</b>								
Maine & NB		P	0	3 499	0	149 370	0.00	41.56
NB Power		N	2 946	31 576	0	0	0.00	0.00
		P	1 052	17 319	18 800	28 066	17.87	1.62
		S	9 516	72 289	0	0	0.00	0.00
PDI Canada Inc.		P	326	3 680	16 127	172 604	49.47	46.90
<b>Subtotal Purchased Imports: New Brunswick</b>			<b>1 378</b>	<b>24 498</b>	<b>34 927</b>	<b>350 040</b>	<b>25.35</b>	<b>14.84</b>
<b>Ontario</b>								
Cdn. Niagara		N	0	3 727	0	0	0.00	0.00
D&W Subway		P	124	144 188	0	0	0.00	0.00
Ind Elc Mark Op		N	93 917	1 034 943	0	0	0.00	0.00
Ontario Hydro		N	0	356 413	0	0	0.00	0.00
		P	0	200 504	0	8 981 354	0.00	37.39

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 2B Import Summary Report by Destination, Authorization and Exchange Type

Destination	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
Ontario Hydro	-	S	0	163 450	0	47 844	0.00	0.52
OPGI/OHIM		P	318 049	1 157 995	10 011 162	55 333 834	31.48	47.78
		S	45 552	70 384	40 731	64 883	0.89	0.92
<b>Subtotal Purchased Imports: Ontario</b>			<b>318 173</b>	<b>1 502 687</b>	<b>10 011 162</b>	<b>64 315 187</b>	<b>31.46</b>	<b>41.39</b>
<b>Quebec</b>								
Hydro-Quebec		N	0	-16 833	0	- 643 566	0.00	38.23
		P	8 052	2 147 404	259 985	90 643 973	32.29	34.47
		S	0	862 616	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Quebec</b>			<b>8 052</b>	<b>2 147 404</b>	<b>259 985</b>	<b>90 643 973</b>	<b>32.29</b>	<b>34.47</b>
<b>Saskatchewan</b>								
Sask. Power		N	9 909	-60 663	0	0	0.00	0.00
		P	38 144	470 315	815 210	12 826 206	21.37	25.15
		S	0	58 400	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Saskatchewan</b>			<b>38 144</b>	<b>470 315</b>	<b>815 210</b>	<b>12 826 206</b>	<b>21.37</b>	<b>25.15</b>
<b>Total Purchased Imports:</b>			<b>1 030 912</b>	<b>11 771 931</b>	<b>31 985 457</b>	<b>347 249 099</b>	<b>30.78</b>	<b>28.01</b>

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 3A

### Export Sales Summary Report by Destination and Source

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Destination	Source	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Alaska</b>	British Columbia	104	1 308	2 282	74 084	21.86	61.12
<b>Subtotal Exports: Alaska</b>		<b>104</b>	<b>1 308</b>	<b>2 282</b>	<b>74 084</b>	<b>21.86</b>	<b>61.12</b>
<b>California</b>	Alberta	0	25	0	946	0.00	37.86
	British Columbia	35 600	1 111 820	2 336 999	54 034 862	65.65	48.60
<b>Subtotal Exports: California</b>		<b>35 600</b>	<b>1 111 845</b>	<b>2 336 999</b>	<b>54 035 808</b>	<b>65.65</b>	<b>48.60</b>
<b>Colorado</b>	British Columbia	0	2 330	0	126 615	0.00	54.34
<b>Subtotal Exports: Colorado</b>		<b>0</b>	<b>2 330</b>	<b>0</b>	<b>126 615</b>	<b>0.00</b>	<b>54.34</b>
<b>Idaho</b>	Alberta	150	320	6 802	11 461	45.34	35.82
	British Columbia	0	77 491	0	3 564 094	0.00	45.99
<b>Subtotal Exports: Idaho</b>		<b>150</b>	<b>77 811</b>	<b>6 802</b>	<b>3 575 556</b>	<b>45.34</b>	<b>45.95</b>
<b>Iowa</b>	Manitoba	5 930	67 118	90 680	1 721 632	15.29	25.97
<b>Subtotal Exports: Iowa</b>		<b>5 930</b>	<b>67 118</b>	<b>90 680</b>	<b>1 721 632</b>	<b>15.29</b>	<b>25.97</b>
<b>Kansas</b>	Manitoba	0	875	0	28 754	0.00	33.51
<b>Subtotal Exports: Kansas</b>		<b>0</b>	<b>875</b>	<b>0</b>	<b>28 754</b>	<b>0.00</b>	<b>33.51</b>
<b>Maine</b>	New Brunswick	428 618	4 568 021	19 894 338	205 660 757	44.93	43.58
	Quebec	0	6 480	0	257 052	0.00	39.67
<b>Subtotal Exports: Maine</b>		<b>428 618</b>	<b>4 574 501</b>	<b>19 894 338</b>	<b>205 917 809</b>	<b>44.93</b>	<b>43.58</b>
<b>Michigan</b>	British Columbia	0	175	0	13 088	0.00	74.79
	Ontario	161 675	1 169 658	694 988	57 303 183	4.30	47.37
<b>Subtotal Exports: Michigan</b>		<b>161 675</b>	<b>1 169 833</b>	<b>694 988</b>	<b>57 316 272</b>	<b>4.30</b>	<b>47.38</b>
<b>Minnesota</b>	Manitoba	410 680	6 419 103	19 115 223	291 376 767	23.27	27.77

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 3A

### Export Sales Summary Report by Destination and Source

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Destination	Source	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Minnesota</b>	Ontario	10 515	203 750	338 352	17 697 075	32.18	75.84
	Saskatchewan	810	27 877	29 677	1 213 029	36.64	43.49
<b>Subtotal Exports: Minnesota</b>		<b>422 005</b>	<b>6 650 730</b>	<b>19 483 252</b>	<b>310 286 871</b>	<b>23.52</b>	<b>29.26</b>
<b>Missouri</b>	Manitoba	0	338	0	8 799	0.00	26.03
<b>Subtotal Exports: Missouri</b>		<b>0</b>	<b>338</b>	<b>0</b>	<b>8 799</b>	<b>0.00</b>	<b>26.03</b>
<b>Montana</b>	Alberta	125	125	10 110	10 110	80.88	80.88
	British Columbia	245	10 664	18 749	493 791	76.53	46.30
	Manitoba	0	5 179	0	154 576	0.00	29.85
	Saskatchewan	0	2 433	0	93 587	0.00	38.89
<b>Subtotal Exports: Montana</b>		<b>370</b>	<b>18 401</b>	<b>28 859</b>	<b>752 065</b>	<b>78.00</b>	<b>40.84</b>
<b>Nebraska</b>	Manitoba	275	26 705	7 898	911 155	28.72	35.90
<b>Subtotal Exports: Nebraska</b>		<b>275</b>	<b>26 705</b>	<b>7 898</b>	<b>911 155</b>	<b>28.72</b>	<b>35.90</b>
<b>New England</b>	Ontario	620	42 260	18 796	28 938 526	30.32	684.77
	Quebec	1 058 324	7 513 500	32 359 103	244 642 743	30.58	32.84
<b>Subtotal Exports: New England</b>		<b>1 058 944</b>	<b>7 555 760</b>	<b>32 377 898</b>	<b>273 581 269</b>	<b>30.58</b>	<b>36.23</b>
<b>New York</b>	Ontario	126 127	1 366 341	3 896 913	58 444 002	30.80	40.92
	Quebec	136 745	1 094 551	4 998 203	47 923 138	36.55	43.78
<b>Subtotal Exports: New York</b>		<b>262 872</b>	<b>2 460 892</b>	<b>8 895 115</b>	<b>106 367 140</b>	<b>33.79</b>	<b>42.14</b>
<b>North Dakota</b>	British Columbia	0	448	0	146 243	0.00	326.44
	Manitoba	5 116	103 811	73 721	4 465 342	14.41	29.55
	Saskatchewan	3 946	73 349	154 045	3 635 962	39.04	49.56
<b>Subtotal Exports: North Dakota</b>		<b>9 062</b>	<b>177 608</b>	<b>227 766</b>	<b>8 247 547</b>	<b>25.13</b>	<b>38.50</b>

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 3A

### Export Sales Summary Report by Destination and Source

Destination	Source	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Oregon</b>	Alberta	1 361	6 233	51 665	224 213	37.96	35.68
	British Columbia	4 846	380 513	238 709	17 138 341	49.26	45.04
	Manitoba	33 200	50 220	1 061 064	1 582 915	31.96	31.52
<b>Subtotal Exports: Oregon</b>		<b>39 407</b>	<b>436 966</b>	<b>1 351 438</b>	<b>18 945 469</b>	<b>34.29</b>	<b>43.35</b>
<b>Pennsylvania</b>	Ontario	250	13 350	4 637	472 969	18.55	35.40
<b>Subtotal Exports: Pennsylvania</b>		<b>250</b>	<b>13 350</b>	<b>4 637</b>	<b>472 969</b>	<b>18.55</b>	<b>35.40</b>
<b>South Dakota</b>	British Columbia	0	277	0	162 078	0.00	585.12
	Manitoba	0	2 204	0	67 712	0.00	30.74
<b>Subtotal Exports: South Dakota</b>		<b>0</b>	<b>2 481</b>	<b>0</b>	<b>229 790</b>	<b>0.00</b>	<b>92.56</b>
<b>Texas</b>	Manitoba	21 476	188 829	610 436	9 708 200	28.42	45.35
<b>Subtotal Exports: Texas</b>		<b>21 476</b>	<b>188 829</b>	<b>610 436</b>	<b>9 708 200</b>	<b>28.42</b>	<b>45.35</b>
<b>Vermont</b>	Quebec	234 328	3 552 168	15 356 661	253 371 883	26.25	39.20
<b>Subtotal Exports: Vermont</b>		<b>234 328</b>	<b>3 552 168</b>	<b>15 356 661</b>	<b>253 371 883</b>	<b>26.25</b>	<b>39.20</b>
<b>Washington</b>	Alberta	6 083	17 143	225 797	582 962	37.12	33.35
	British Columbia	852 470	8 281 618	41 252 630	352 347 819	48.39	42.07
	Saskatchewan	1 710	45 109	65 806	2 426 508	38.48	53.60
<b>Subtotal Exports: Washington</b>		<b>860 263</b>	<b>8 343 870</b>	<b>41 544 233</b>	<b>355 357 290</b>	<b>48.29</b>	<b>42.12</b>
<b>Wisconsin</b>	Manitoba	87 089	348 281	2 127 970	9 684 019	24.43	28.17
<b>Subtotal Exports: Wisconsin</b>		<b>87 089</b>	<b>348 281</b>	<b>2 127 970</b>	<b>9 684 019</b>	<b>24.43</b>	<b>28.17</b>
<b>Total Exports</b>		<b>3 628 418</b>	<b>36 782 000</b>	<b>145 042 253</b>	<b>1 670 720 994</b>	<b>34.62</b>	<b>38.63</b>

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 3B

### Import Purchases Summary Report by Source and Destination

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Source	Destination	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>California</b>	Alberta	0	696	0	21 084	0.00	30.29
<b>Subtotal Imports: California</b>		<b>0</b>	<b>696</b>	<b>0</b>	<b>21 084</b>	<b>0.00</b>	<b>30.29</b>
<b>Idaho</b>	Alberta	155	22 194	4 859	700 083	31.35	31.54
<b>Subtotal Imports: Idaho</b>		<b>155</b>	<b>22 194</b>	<b>4 859</b>	<b>700 083</b>	<b>31.35</b>	<b>31.54</b>
<b>Iowa</b>	Alberta	0	1 530	0	49 304	0.00	32.22
	Manitoba	1 130	36 596	78 320	892 775	69.31	24.98
<b>Subtotal Imports: Iowa</b>		<b>1 130</b>	<b>38 126</b>	<b>78 320</b>	<b>942 079</b>	<b>69.31</b>	<b>25.15</b>
<b>Kansas</b>	Manitoba	0	7 750	0	179 117	0.00	23.11
<b>Subtotal Imports: Kansas</b>		<b>0</b>	<b>7 750</b>	<b>0</b>	<b>179 117</b>	<b>0.00</b>	<b>23.11</b>
<b>Maine</b>	New Brunswick	1 378	24 498	34 927	350 040	25.35	14.84
	Quebec	0	249 326	0	8 526 150	0.00	34.20
<b>Subtotal Imports: Maine</b>		<b>1 378</b>	<b>273 824</b>	<b>34 927</b>	<b>8 876 190</b>	<b>25.35</b>	<b>32.42</b>
<b>Michigan</b>	Ontario	310 893	1 000 960	9 697 517	29 791 936	31.19	29.53
<b>Subtotal Imports: Michigan</b>		<b>310 893</b>	<b>1 000 960</b>	<b>9 697 517</b>	<b>29 791 936</b>	<b>31.19</b>	<b>29.53</b>
<b>Minnesota</b>	Alberta	0	1 173	0	30 314	0.00	25.84
	Manitoba	21 071	1 039 238	420 742	21 488 591	19.16	20.94
	Ontario	0	11 067	0	339 327	0.00	29.88
	Saskatchewan	1 225	22 039	31 370	686 391	25.61	31.14
<b>Subtotal Imports: Minnesota</b>		<b>22 296</b>	<b>1 073 517</b>	<b>452 112</b>	<b>22 544 623</b>	<b>19.51</b>	<b>21.20</b>
<b>Missouri</b>	Manitoba	36	97	1 591	5 036	44.18	28.01
<b>Subtotal Imports: Missouri</b>		<b>36</b>	<b>97</b>	<b>1 591</b>	<b>5 036</b>	<b>44.18</b>	<b>28.01</b>

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 3B

### Import Purchases Summary Report by Source and Destination

Source	Destination	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Montana</b>	Alberta	381	7 234	15 245	397 089	40.01	54.52
	British Columbia	8	231	559	15 083	69.88	63.94
	Manitoba	890	27 080	11 142	473 710	12.52	17.53
<b>Subtotal Imports: Montana</b>		<b>1 279</b>	<b>34 545</b>	<b>26 946</b>	<b>885 881</b>	<b>21.07</b>	<b>25.74</b>
<b>Nebraska</b>	Manitoba	3 000	68 145	49 736	1 306 791	16.58	18.94
<b>Subtotal Imports: Nebraska</b>		<b>3 000</b>	<b>68 145</b>	<b>49 736</b>	<b>1 306 791</b>	<b>16.58</b>	<b>18.94</b>
<b>New England</b>	Quebec	0	200 258	0	6 251 007	0.00	30.99
<b>Subtotal Imports: New England</b>		<b>0</b>	<b>200 258</b>	<b>0</b>	<b>6 251 007</b>	<b>0.00</b>	<b>30.99</b>
<b>New York</b>	Ontario	7 280	460 900	313 645	32 615 310	43.08	70.69
	Quebec	8 052	1 566 008	259 985	54 437 041	32.29	34.86
<b>Subtotal Imports: New York</b>		<b>15 332</b>	<b>2 026 908</b>	<b>573 630</b>	<b>87 052 351</b>	<b>37.41</b>	<b>42.51</b>
<b>North Dakota</b>	Manitoba	956	61 530	13 803	1 051 479	14.44	17.51
	Saskatchewan	4 470	268 160	128 320	7 958 419	28.71	25.77
<b>Subtotal Imports: North Dakota</b>		<b>5 426</b>	<b>329 690</b>	<b>142 123</b>	<b>9 009 898</b>	<b>26.19</b>	<b>24.41</b>
<b>Oregon</b>	Alberta	4 070	155 743	136 420	4 988 229	33.52	32.09
<b>Subtotal Imports: Oregon</b>		<b>4 070</b>	<b>155 743</b>	<b>136 420</b>	<b>4 988 229</b>	<b>33.52</b>	<b>32.09</b>
<b>Pennsylvania</b>	Ontario	0	29 760	0	1 568 615	0.00	52.71
<b>Subtotal Imports: Pennsylvania</b>		<b>0</b>	<b>29 760</b>	<b>0</b>	<b>1 568 615</b>	<b>0.00</b>	<b>52.71</b>
<b>South Dakota</b>	Manitoba	1 642	42 394	47 159	941 142	28.72	21.94
<b>Subtotal Imports: South Dakota</b>		<b>1 642</b>	<b>42 394</b>	<b>47 159</b>	<b>941 142</b>	<b>28.72</b>	<b>21.94</b>
<b>Texas</b>	Manitoba	0	14 535	0	697 277	0.00	36.75
<b>Subtotal Imports: Texas</b>		<b>0</b>	<b>14 535</b>	<b>0</b>	<b>697 277</b>	<b>0.00</b>	<b>36.75</b>

Footnotes:

1. Includes capacity and energy charges.
2. Average value for the month and the last 12 months (excludes capacity charge).

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 3B

### Import Purchases Summary Report by Source and Destination

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Source	Destination	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV99	JAN99 - NOV99	NOV99	JAN99 - NOV99	NOV99	L12M
<b>Vermont</b>	Quebec	0	131 812	0	21 429 775	0.00	35.73
<b>Subtotal Imports: Vermont</b>		<b>0</b>	<b>131 812</b>	<b>0</b>	<b>21 429 775</b>	<b>0.00</b>	<b>35.73</b>
<b>Washington</b>	Alberta	16 482	193 272	643 357	6 566 382	39.03	33.97
	British Columbia	615 340	5 944 669	19 441 062	139 229 813	31.21	23.82
	Saskatchewan	32 449	180 116	655 520	4 181 397	20.20	23.24
<b>Subtotal Imports: Washington</b>		<b>664 271</b>	<b>6 318 057</b>	<b>20 739 939</b>	<b>149 977 591</b>	<b>30.86</b>	<b>24.10</b>
<b>Wisconsin</b>	Manitoba	4	2 921	177	80 394	44.19	27.39
<b>Subtotal Imports: Wisconsin</b>		<b>4</b>	<b>2 921</b>	<b>177</b>	<b>80 394</b>	<b>44.19</b>	<b>27.39</b>
<b>Total Imports</b>		<b>1 030 912</b>	<b>11 771 931</b>	<b>31 985 457</b>	<b>347 249 099</b>	<b>30.78</b>	<b>28.01</b>

Footnotes:  
1. Includes capacity and energy charges.  
2. Average value for the month and the last 12 months (excludes capacity charge).

Additional Notes:  
- Revenue for Permit 92 not available.





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**TABLE 4**  
**Source of Production Report <sup>1</sup>**  
**Canadian Exports**

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Fuel Type	NOV99		
	Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Canadian Coal	5 140	226 799	44.12
Canadian Oil	414	23 572	56.90
Hydraulic	2 216 212	63 926 195	28.84
Imported Coal	123 707	4 672 934	37.77
Imported Oil	13 500	633 978	46.96
Natural Gas	4 975	227 024	45.63
Nuclear	101	5 210	51.53
Other	1 028 873	52 590 014	51.11
<b>Total</b>	<b>3 392 922</b>	<b>122 305 726</b>	<b>36.05</b>

Footnotes:

1. Source of production data filed by major exporters only.
2. Revenue figures are for illustrative purposes only and are strictly allocatable by energy source.

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 5 Source of Production Report <sup>1</sup> by Exporter

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Exporter	Fuel Type	Authorization	NOV99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
<b>Cominco</b>	Hydraulic	Permit 132	23 730	979 028	41.26
		<b>Subtotal</b>	<b>23 730</b>	<b>979 028</b>	<b>41.26</b>
		<b>Subtotal</b>	<b>23 730</b>	<b>979 028</b>	<b>41.26</b>
<b>Hydro-Quebec</b>	Hydraulic	Licence 176	632 409	17 794 949	28.14
		Licence 180	92 872	3 547 620	38.20
		Licence 181	15 103	576 920	38.20
		Licence 182	12 942	494 372	38.20
		Licence 183	28 393	1 084 585	38.20
		Licence 184	12 023	459 267	38.20
		Permit 64	149 593	3 833 587	25.63
		Permit 65	486 062	15 717 734	32.34
		<b>Subtotal</b>	<b>1 429 397</b>	<b>43 509 033</b>	<b>30.44</b>
<b>Subtotal</b>	<b>1 429 397</b>	<b>43 509 033</b>	<b>30.44</b>		
<b>Manitoba Hydro</b>	Hydraulic	Licence 170	258 170	5 437 329	21.06
		Permit 45	12 296	417 158	33.93
		Permit 46	254 810	6 467 311	25.38
		Permit 68	9 390	210 658	22.43
		<b>Subtotal</b>	<b>534 666</b>	<b>12 532 456</b>	<b>23.44</b>

Footnotes:

1. Source of production data filed by major exporters only.
2. Revenue figures are for illustrative purposes only and are strictly allocatable by energy source.

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 5 Source of Production Report <sup>1</sup> by Exporter

Exporter	Fuel Type	Authorization	NOV99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Manitoba Hydro	Other	Permit 45	28 729	974 669	33.93
		<b>Subtotal</b>	<b>28 729</b>	<b>974 669</b>	<b>33.93</b>
	<b>Subtotal</b>		<b>563 395</b>	<b>13 507 125</b>	<b>23.97</b>
NB Power	Canadian Coal	Permit 18	1	40	49.94
		Permit 47	448	23 683	52.90
		Permit 91	4 692	203 076	43.29
		<b>Subtotal</b>	<b>5 140</b>	<b>226 799</b>	<b>44.12</b>
	Canadian Oil	Permit 16	414	23 572	56.90
		<b>Subtotal</b>	<b>414</b>	<b>23 572</b>	<b>56.90</b>
	Imported Coal	Permit 16	1 854	106 309	57.34
		Permit 18	49	2 422	49.94
		Permit 47	4 208	222 624	52.90
		Permit 91	21 439	930 645	43.41
		<b>Subtotal</b>	<b>27 550</b>	<b>1 262 001</b>	<b>45.81</b>
	Imported Oil	Permit 16	1 422	79 935	56.20
		Permit 18	70	3 596	51.38
		Permit 47	48	2 539	52.90
		Permit 91	9 368	406 201	43.36
		<b>Subtotal</b>	<b>10 909</b>	<b>492 271</b>	<b>45.13</b>

Footnotes:

1. Source of production data filed by major exporters only.
2. Revenue figures are for illustrative purposes only and are strictly allocatable by energy source.

Additional Notes:

- Revenue for Permit 92 not available.



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**TABLE 5**  
**Source of Production Report <sup>1</sup>**  
**by Exporter**

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Exporter	Fuel Type	Authorization	NOV99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
NB Power	Nuclear	Permit 47	86	4 534	52.90
		Permit 91	15	676	43.90
		<b>Subtotal</b>	<b>101</b>	<b>5 210</b>	<b>51.53</b>
	Other	Permit 16	14 936	842 533	56.41
		Permit 18	625	31 343	50.16
		Permit 47	2 065	109 249	52.90
		Permit 91	327 473	14 280 753	43.61
		<b>Subtotal</b>	<b>345 099</b>	<b>15 263 878</b>	<b>44.23</b>
	<b>Subtotal</b>		<b>389 213</b>	<b>17 273 731</b>	<b>44.38</b>
	OPGI/OHIM	Hydraulic	Permit 21	14 033	389 086
<b>Subtotal</b>			<b>14 033</b>	<b>389 086</b>	<b>27.73</b>
Imported Coal		Permit 21	96 157	3 410 933	35.47
		<b>Subtotal</b>	<b>96 157</b>	<b>3 410 933</b>	<b>35.47</b>
Imported Oil		Permit 21	2 591	141 707	54.69
		<b>Subtotal</b>	<b>2 591</b>	<b>141 707</b>	<b>54.69</b>
Natural Gas		Permit 21	4 975	227 024	45.63
		<b>Subtotal</b>	<b>4 975</b>	<b>227 024</b>	<b>45.63</b>
<b>Subtotal</b>		<b>117 756</b>	<b>4 168 749</b>	<b>35.40</b>	

Footnotes:

1. Source of production data filed by major exporters only.
2. Revenue figures are for illustrative purposes only and are strictly allocatable by energy source.

Additional Notes:

- Revenue for Permit 92 not available.



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## TABLE 5 Source of Production Report <sup>1</sup> by Exporter

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Exporter	Fuel Type	Authorization	NOV99			
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>	
Powerex	Hydraulic	Permit 92	82 800	0	0.00	
		Permit 95	9 720	310 649	31.96	
		Permit 118	102 243	5 673 935	55.50	
		Permit 119	19 623	532 008	27.11	
		<b>Subtotal</b>	<b>214 386</b>	<b>6 516 592</b>	<b>30.40</b>	
	Other	Permit 118	655 045	36 351 467	55.50	
		<b>Subtotal</b>	<b>655 045</b>	<b>36 351 467</b>	<b>55.49</b>	
		<b>Subtotal</b>		<b>869 431</b>	<b>42 868 059</b>	<b>49.31</b>
	<b>Total All Exporters</b>			<b>3 392 922</b>	<b>122 305 726</b>	<b>36.05</b>

Footnotes:

1. Source of production data filed by major exporters only.
2. Revenue figures are for illustrative purposes only and are strictly allocatable by energy source.

Additional Notes:

- Revenue for Permit 92 not available.