

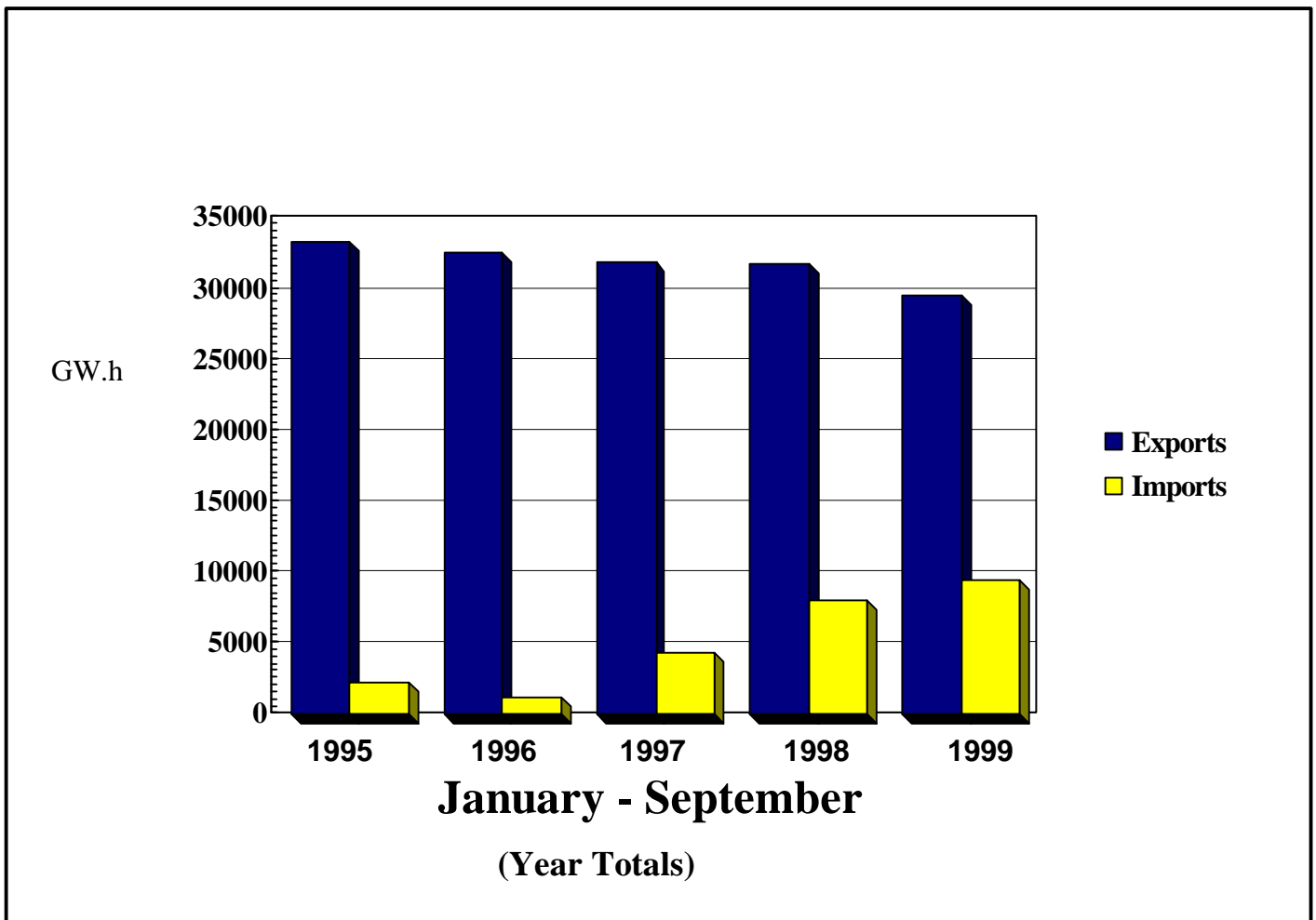


# Electricity Exports and Imports

## Monthly Statistics for: September 1999

Exports: 4594 GW.h

Imports: 529 GW.h





National Energy Board  
Office national de l'énergie

# TABLE 1

## Exports and Imports of Electricity

### Summary: Canada

#### SEPTEMBER 1999

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Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
	SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Exports of Electric Energy</b>						
Firm	1 696 370	13 174 740	71 038 164	615 258 718	30.27	31.80
Interruptible	2 897 169	16 350 679	124 910 187	754 215 445	42.87	44.77
Non-Revenue/Inadvertant	52 374	347 595	0	0	0.00	0.00
Service	8 999	125 219	35	12 766	0.00	0.05
<b>Total Exports</b>	<b>4 654 912</b>	<b>29 998 233</b>	<b>195 948 386</b>	<b>1 369 486 928</b>	<b>37.72</b>	<b>38.05</b>
Total Sales - Firm and Interruptible	4 593 539	29 525 419	195 948 351	1 369 474 163	38.22	38.47
<b>Imports of Electric Energy</b>						
Interruptible	0	41	0	1 947	0.00	47.50
Non-Revenue/Inadvertant	72 812	202 768	0	643 566	0.00	-6.78
Purchase	528 572	9 475 449	17 086 673	275 775 119	29.54	28.24
Service	12 604	1 158 249	6 033	67 100	0.48	0.12
<b>Total Imports</b>	<b>613 989</b>	<b>10 836 507</b>	<b>17 092 706</b>	<b>276 487 733</b>	<b>25.44</b>	<b>24.69</b>
<b>Excess of Exports Over Imports</b>	<b>4 040 924</b>	<b>19 161 727</b>	<b>178 855 680</b>	<b>1 092 999 196</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.

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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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Alberta</b>								
TransAlta Ener.	Permit 74	F	0	10 153	0	352 975	0.00	34.62
TransCanada	Permit 78	I	1 035	4 354	34 565	105 706	33.40	24.28
<b>Subtotal Firm and Interruptible Exports: Alberta</b>			<b>1 035</b>	<b>14 507</b>	<b>34 565</b>	<b>458 681</b>	<b>33.40</b>	<b>32.53</b>
<b>British Columbia</b>								
BC Hydro	Permit 105	F	0	722	0	49 209	0.00	71.87
	Treaty	N	0	179 859	0	0	0.00	0.00
Cominco	Permit 57	I	0	16 950	0	538 967	0.00	41.70
	Permit 131	I	0	10 850	0	414 427	0.00	38.20
	Permit 132	F	12 025	23 990	563 488	1 254 422	46.86	52.29
Powerex	Permit 92	F	82 800	502 721	0	0	0.00	0.00
	Permit 95	F	12 960	52 595	403 885	1 614 200	31.16	33.01
	Permit 118	I	1 539 844	6 847 498	74 007 382	297 799 617	48.06	43.49
	Permit 119	F	28 872	206 392	793 022	4 697 766	27.47	24.13
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>1 676 501</b>	<b>7 665 255</b>	<b>75 767 778</b>	<b>306 455 657</b>	<b>45.19</b>	<b>38.66</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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Manitoba</b>								
Manitoba Hydro	Licence 170	F	272 475	2 535 276	13 687 427	138 921 372	21.39	23.20
	Permit 33	F	16 400	153 805	331 244	3 154 465	20.20	20.66
	Permit 34	F	11 700	105 584	269 336	2 465 699	23.02	23.00
	Permit 35	F	28 800	107 600	679 916	2 566 422	23.61	25.19
	Permit 45	F	78 750	769 412	2 547 633	40 712 303	31.22	36.94
	Permit 46	I	223 835	2 112 984	7 064 475	75 018 945	30.80	34.42
		N	-45 649	- 955 548	0	0	0.00	0.00
	Permit 52	F	7 145	30 355	360 413	1 686 262	24.52	25.04
	Permit 61	F	323	3 625	16 316	167 143	50.51	46.26
	Permit 68	F	6 039	101 647	397 602	5 151 624	19.59	25.69
<b>Subtotal Firm and Interruptible Exports: Manitoba</b>			<b>645 467</b>	<b>5 920 288</b>	<b>25 354 363</b>	<b>269 844 236</b>	<b>25.98</b>	<b>29.03</b>
<b>New Brunswick</b>								
Fraser Inc.	Permit 102	F	29 835	231 945	2 020 306	15 924 220	67.72	68.25
Maine & NB	Licence 177	F	0	62 807	0	1 540 065	0.00	17.54
NB Power	Permit 15	I	50	153	2 087	12 172	41.75	29.37
		N	- 739	3 576	0	0	0.00	0.00
	Permit 16	I	12 192	134 443	681 552	7 612 745	55.90	56.35

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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
NB Power	Permit 16	N	-4 260	-25 227	0	0	0.00	0.00
	Permit 17	S	7 226	52 025	0	0	0.00	0.00
	Permit 18	I	3 100	17 987	158 830	912 935	51.24	51.07
		N	-11	- 127	0	0	0.00	0.00
	Permit 28	F	3	34	324	3 662	110.22	109.67
	Permit 47	F	6 664	62 763	524 362	4 832 371	52.90	52.90
	Permit 91	I	378 595	3 162 645	16 983 023	133 458 113	44.38	41.00
PDI Canada Inc.	Licence 177	F	14 054	26 190	363 917	690 416	19.85	16.63
<b>Subtotal Firm and Interruptible Exports: New Brunswick</b>			<b>444 493</b>	<b>3 698 967</b>	<b>20 734 401</b>	<b>164 986 699</b>	<b>45.66</b>	<b>43.20</b>
<b>Ontario</b>								
Cdn. Niagara	Permit 84	F	23 559	262 036	669 598	9 979 200	28.42	37.09
D&W Subway	Permit 26	F	153	1 389	0	0	0.00	0.00
Ind Elc Mark Op	Permit 22	N	104 065	847 913	0	0	0.00	0.00
Ont Power Gen	Permit 24	F	12	68	25	98	2.07	1.44
Ont. Hydro/OHIM	Permit 21	I	0	258 316	0	9 842 397	0.00	34.97
		S	0	11 112	0	11 572	0.00	0.09
Ontario Hydro	Permit 22	N	0	354 584	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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
Ontario Hydro	Permit 24	F	0	64	0	127	0.00	2.00
OPGI/OHIM	Permit 21	I	148 482	1 541 170	6 042 695	127 717 579	38.31	80.25
		S	373	4 532	35	1 194	0.09	0.26
<b>Subtotal Firm and Interruptible Exports: Ontario</b>			<b>172 206</b>	<b>2 063 042</b>	<b>6 712 318</b>	<b>147 539 401</b>	<b>36.92</b>	<b>65.15</b>
<b>Quebec</b>								
Hydro-Quebec	Licence 176	F	503 740	4 000 484	14 261 008	128 717 894	28.31	32.70
		F	90 823	823 178	8 882 813	80 937 018	37.92	38.66
		F	14 679	191 568	1 426 517	17 483 904	37.92	38.81
		F	13 421	127 905	1 291 825	12 010 732	37.92	38.69
		F	26 085	221 339	2 447 047	21 720 590	37.92	38.67
		F	12 402	117 258	1 251 308	11 586 704	37.92	38.64
		I	588 699	2 187 753	19 928 784	98 248 277	33.85	44.94
		F	396 482	2 351 650	17 615 526	102 368 485	40.19	38.65
<b>Subtotal Firm and Interruptible Exports: Quebec</b>			<b>1 646 331</b>	<b>10 021 135</b>	<b>67 104 829</b>	<b>473 073 603</b>	<b>34.07</b>	<b>37.36</b>
<b>Saskatchewan</b>								
Powerex	Permit 116	I	237	2 433	6 794	93 587	28.67	38.89
Sask. Power	Licence 118	S	1 400	57 550	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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
Sask. Power	Licence 119	I	1 100	49 628	0	2 354 418	0.00	45.52
		N	-1 032	-57 435	0	0	0.00	0.00
	Permit 89	F	6 169	90 163	233 303	4 667 881	37.82	51.64
<b>Subtotal Firm and Interruptible Exports: Saskatchewan</b>			<b>7 506</b>	<b>142 224</b>	<b>240 097</b>	<b>7 115 886</b>	<b>31.99</b>	<b>49.12</b>
<b>Total Firm and Interruptible Exports:</b>			<b>4 593 539</b>	<b>29 525 419</b>	<b>195 948 351</b>	<b>1 369 474 163</b>	<b>38.22</b>	<b>38.47</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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Alberta</b>								
TransAlta	-	P	0	1 859	0	78 240	0.00	41.99
TransAlta Ener.		P	39 213	229 371	1 661 573	7 341 402	42.37	32.84
TransCanada		P	7 429	106 798	237 442	2 999 257	31.96	28.08
<b>Subtotal Purchased Imports: Alberta</b>			<b>46 642</b>	<b>338 028</b>	<b>1 899 015</b>	<b>10 418 899</b>	<b>40.71</b>	<b>31.47</b>
<b>British Columbia</b>								
BC Hydro		P	0	165	0	10 600	0.00	65.40
Cominco		P	0	10 535	0	0	0.00	0.00
Powerex		P	180 490	4 984 454	4 068 247	111 142 974	22.54	23.48
West Kootenay		P	1 900	72 442	41 895	1 990 739	22.05	21.41
<b>Subtotal Purchased Imports: British Columbia</b>			<b>182 390</b>	<b>5 067 596</b>	<b>4 110 142</b>	<b>113 144 313</b>	<b>22.53</b>	<b>23.41</b>
<b>Manitoba</b>								
Manitoba Hydro		N	-37 044	- 978 388	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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
Manitoba Hydro	-	P	26 999	1 251 027	507 128	25 566 724	18.78	21.52
<b>Subtotal Purchased Imports: Manitoba</b>			<b>26 999</b>	<b>1 251 027</b>	<b>507 128</b>	<b>25 566 724</b>	<b>18.78</b>	<b>21.52</b>
<b>New Brunswick</b>								
Maine & NB		P	0	3 499	0	149 370	0.00	42.32
NB Power		N	5 289	27 163	0	0	0.00	0.00
		P	0	16 052	0	5 469	0.00	0.34
		S	7 226	53 392	0	0	0.00	0.00
PDI Canada Inc.		P	210	2 815	9 303	132 572	44.30	47.09
<b>Subtotal Purchased Imports: New Brunswick</b>			<b>210</b>	<b>22 366</b>	<b>9 303</b>	<b>287 411</b>	<b>44.30</b>	<b>14.65</b>
<b>Ontario</b>								
Cdn. Niagara		N	0	3 727	0	0	0.00	0.00
D&W Subway		P	143	1 263	0	0	0.00	0.00
Ind Elc Mark Op		N	105 663	836 333	0	0	0.00	0.00
Ontario Hydro		N	0	356 413	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>	
			SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
Ontario Hydro	-	P	0	200 504	0	8 981 354	0.00	35.22
		S	0	163 450	0	47 844	0.00	0.67
OPGI/OHIM		P	230 566	553 097	8 229 383	36 718 807	35.69	66.39
		S	5 378	20 391	6 033	19 256	1.12	0.94
<b>Subtotal Purchased Imports: Ontario</b>			<b>230 709</b>	<b>754 864</b>	<b>8 229 383</b>	<b>45 700 160</b>	<b>35.67</b>	<b>43.42</b>
<b>Quebec</b>								
Hydro-Quebec		I	0	41	0	1 947	0.00	47.50
		N	0	16 833	0	643 566	0.00	38.23
		P	100	1 695 899	1 477 560	70 531 259	24.74	33.05
		S	0	862 616	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Quebec</b>			<b>100</b>	<b>1 695 940</b>	<b>1 477 560</b>	<b>70 533 206</b>	<b>24.74</b>	<b>33.05</b>
<b>Saskatchewan</b>								
Sask. Power		N	-1 096	-59 314	0	0	0.00	0.00
		P	41 522	345 669	854 142	10 126 353	20.57	28.17
		S	0	58 400	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Saskatchewan</b>			<b>41 522</b>	<b>345 669</b>	<b>854 142</b>	<b>10 126 353</b>	<b>20.57</b>	<b>28.17</b>
<b>Total Purchased Imports:</b>			<b>528 572</b>	<b>9 475 490</b>	<b>17 086 673</b>	<b>275 777 067</b>	<b>29.54</b>	<b>28.24</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.



National Energy Board  
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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>	
		SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Alaska</b>	British Columbia	0	1 122	0	62 207	0.00	60.51
<b>Subtotal Exports: Alaska</b>		<b>0</b>	<b>1 122</b>	<b>0</b>	<b>62 207</b>	<b>0.00</b>	<b>60.51</b>
<b>California</b>	Alberta	0	25	0	946	0.00	37.86
	British Columbia	261 261	992 293	13 156 864	45 983 623	50.36	46.34
<b>Subtotal Exports: California</b>		<b>261 261</b>	<b>992 318</b>	<b>13 156 864</b>	<b>45 984 569</b>	<b>50.36</b>	<b>46.34</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	0	170	0	4 660	0.00	27.41
	British Columbia	5 480	69 372	261 800	3 024 048	47.77	43.59
<b>Subtotal Exports: Idaho</b>		<b>5 480</b>	<b>69 542</b>	<b>261 800</b>	<b>3 028 708</b>	<b>47.77</b>	<b>43.55</b>
<b>Iowa</b>	Manitoba	4 113	42 300	46 254	1 431 332	11.25	34.21
<b>Subtotal Exports: Iowa</b>		<b>4 113</b>	<b>42 300</b>	<b>46 254</b>	<b>1 431 332</b>	<b>11.25</b>	<b>34.21</b>
<b>Kansas</b>	Manitoba	0	775	0	27 135	0.00	35.33
<b>Subtotal Exports: Kansas</b>		<b>0</b>	<b>775</b>	<b>0</b>	<b>27 135</b>	<b>0.00</b>	<b>35.33</b>
<b>Maine</b>	New Brunswick	444 493	3 698 967	20 734 401	164 986 699	45.66	43.20
	Quebec	6 480	6 480	257 052	257 052	39.67	39.67
<b>Subtotal Exports: Maine</b>		<b>450 973</b>	<b>3 705 447</b>	<b>20 991 453</b>	<b>165 243 750</b>	<b>45.57</b>	<b>43.19</b>
<b>Michigan</b>	British Columbia	0	175	0	13 088	0.00	74.79
	Ontario	9 075	833 612	328 460	55 867 217	36.20	63.64
<b>Subtotal Exports: Michigan</b>		<b>9 075</b>	<b>833 787</b>	<b>328 460</b>	<b>55 880 305</b>	<b>36.20</b>	<b>63.64</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.



National Energy Board  
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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>	
		SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Minnesota</b>	Manitoba	608 204	5 377 919	23 786 172	248 171 674	25.64	28.38
	Ontario	21 385	173 529	1 313 001	16 221 248	45.79	81.61
	Saskatchewan	1 628	27 067	69 525	1 183 351	42.71	43.70
<b>Subtotal Exports: Minnesota</b>		<b>631 217</b>	<b>5 578 515</b>	<b>25 168 699</b>	<b>265 576 273</b>	<b>26.37</b>	<b>29.78</b>
<b>Missouri</b>	Manitoba	55	330	485	8 445	8.82	30.39
<b>Subtotal Exports: Missouri</b>		<b>55</b>	<b>330</b>	<b>485</b>	<b>8 445</b>	<b>8.82</b>	<b>30.39</b>
<b>Montana</b>	British Columbia	1 500	9 009	72 958	385 020	48.64	42.74
	Manitoba	85	5 179	1 580	154 576	18.59	30.26
	Saskatchewan	237	2 433	6 794	93 587	28.67	38.89
<b>Subtotal Exports: Montana</b>		<b>1 822</b>	<b>16 621</b>	<b>81 332</b>	<b>633 183</b>	<b>44.64</b>	<b>38.26</b>
<b>Nebraska</b>	Manitoba	175	26 055	6 836	899 164	39.06	36.52
<b>Subtotal Exports: Nebraska</b>		<b>175</b>	<b>26 055</b>	<b>6 836</b>	<b>899 164</b>	<b>39.06</b>	<b>36.52</b>
<b>New England</b>	Ontario	254	41 559	0	28 919 730	0.00	613.03
	Quebec	503 740	5 243 579	14 261 008	176 708 567	28.31	34.30
<b>Subtotal Exports: New England</b>		<b>503 994</b>	<b>5 285 138</b>	<b>14 261 008</b>	<b>205 628 297</b>	<b>28.30</b>	<b>38.27</b>
<b>New York</b>	Ontario	141 492	1 001 243	5 070 857	46 062 875	35.69	42.72
	Quebec	193 368	721 946	6 881 086	35 374 656	35.59	49.00
<b>Subtotal Exports: New York</b>		<b>334 860</b>	<b>1 723 189</b>	<b>11 951 943</b>	<b>81 437 531</b>	<b>35.63</b>	<b>45.07</b>
<b>North Dakota</b>	British Columbia	0	448	0	146 243	0.00	326.44
	Manitoba	15 396	86 304	645 813	3 854 624	26.91	31.25
	Saskatchewan	1 100	69 325	0	3 478 245	0.00	48.58
<b>Subtotal Exports: North Dakota</b>		<b>16 496</b>	<b>156 077</b>	<b>645 813</b>	<b>7 479 111</b>	<b>25.11</b>	<b>39.18</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 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>	
		SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Oregon</b>	Alberta	50	4 772	1 255	168 026	25.10	36.72
	British Columbia	74 363	281 607	3 444 091	11 972 917	46.31	42.52
	Manitoba	0	250	0	10 932	0.00	43.73
<b>Subtotal Exports: Oregon</b>		<b>74 413</b>	<b>286 629</b>	<b>3 445 346</b>	<b>12 151 875</b>	<b>46.30</b>	<b>42.39</b>
<b>Pennsylvania</b>	Ontario	0	13 100	0	468 332	0.00	35.69
<b>Subtotal Exports: Pennsylvania</b>		<b>0</b>	<b>13 100</b>	<b>0</b>	<b>468 332</b>	<b>0.00</b>	<b>35.69</b>
<b>South Dakota</b>	British Columbia	0	277	0	162 078	0.00	585.12
	Manitoba	16	1 154	706	50 713	44.10	43.95
<b>Subtotal Exports: South Dakota</b>		<b>16</b>	<b>1 431</b>	<b>706</b>	<b>212 790</b>	<b>44.10</b>	<b>148.49</b>
<b>Texas</b>	Manitoba	8 780	152 113	745 294	8 282 161	66.75	48.57
<b>Subtotal Exports: Texas</b>		<b>8 780</b>	<b>152 113</b>	<b>745 294</b>	<b>8 282 161</b>	<b>66.75</b>	<b>48.57</b>
<b>Vermont</b>	Quebec	942 743	4 049 130	45 705 683	260 733 328	36.80	40.08
<b>Subtotal Exports: Vermont</b>		<b>942 743</b>	<b>4 049 130</b>	<b>45 705 683</b>	<b>260 733 328</b>	<b>36.80</b>	<b>40.08</b>
<b>Washington</b>	Alberta	985	9 540	33 310	285 049	33.82	30.83
	British Columbia	1 333 897	6 308 622	58 832 065	244 579 818	44.11	37.26
	Saskatchewan	4 541	43 399	163 778	2 360 702	36.07	54.16
<b>Subtotal Exports: Washington</b>		<b>1 339 423</b>	<b>6 361 561</b>	<b>59 029 153</b>	<b>247 225 570</b>	<b>44.07</b>	<b>37.35</b>
<b>Wisconsin</b>	Manitoba	8 643	227 909	121 224	6 953 481	14.03	30.23
<b>Subtotal Exports: Wisconsin</b>		<b>8 643</b>	<b>227 909</b>	<b>121 224</b>	<b>6 953 481</b>	<b>14.03</b>	<b>30.23</b>
<b>Total Exports</b>		<b>4 593 539</b>	<b>29 525 419</b>	<b>195 948 351</b>	<b>1 369 474 163</b>	<b>38.22</b>	<b>38.47</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>	
		SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	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	960	21 754	39 081	672 140	40.71	30.91
<b>Subtotal Imports: Idaho</b>		<b>960</b>	<b>21 754</b>	<b>39 081</b>	<b>672 140</b>	<b>40.71</b>	<b>30.91</b>
<b>Iowa</b>	Alberta	1 530	1 530	49 304	49 304	32.22	32.22
	Manitoba	30	35 106	1 323	799 572	44.10	24.51
<b>Subtotal Imports: Iowa</b>		<b>1 560</b>	<b>36 636</b>	<b>50 627</b>	<b>848 876</b>	<b>32.45</b>	<b>24.68</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	210	22 366	9 303	287 411	44.30	14.65
	Quebec	0	270 110	0	9 071 964	0.00	33.59
<b>Subtotal Imports: Maine</b>		<b>210</b>	<b>292 476</b>	<b>9 303</b>	<b>9 359 375</b>	<b>44.30</b>	<b>32.05</b>
<b>Michigan</b>	Ontario	174 882	271 468	5 361 437	11 968 582	30.66	34.37
<b>Subtotal Imports: Michigan</b>		<b>174 882</b>	<b>271 468</b>	<b>5 361 437</b>	<b>11 968 582</b>	<b>30.66</b>	<b>34.37</b>
<b>Minnesota</b>	Alberta	1 173	1 173	30 314	30 314	25.84	25.84
	Manitoba	11 647	963 442	200 801	19 545 216	17.24	21.49
	Ontario	160	11 067	1 915	339 327	11.97	26.69
	Saskatchewan	385	6 864	14 175	245 431	36.82	35.04
<b>Subtotal Imports: Minnesota</b>		<b>13 365</b>	<b>982 546</b>	<b>247 205</b>	<b>20 160 288</b>	<b>18.50</b>	<b>21.65</b>
<b>Missouri</b>	Manitoba	2	49	88	2 901	44.10	25.75
<b>Subtotal Imports: Missouri</b>		<b>2</b>	<b>49</b>	<b>88</b>	<b>2 901</b>	<b>44.10</b>	<b>25.75</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>	
		SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Montana</b>	Alberta	280	4 094	13 746	163 232	49.09	40.06
	British Columbia	0	165	0	10 600	0.00	65.40
	Manitoba	0	26 190	0	462 568	0.00	17.70
<b>Subtotal Imports: Montana</b>		<b>280</b>	<b>30 449</b>	<b>13 746</b>	<b>636 399</b>	<b>49.09</b>	<b>21.28</b>
<b>Nebraska</b>	Manitoba	52	63 949	1 232	1 237 156	23.69	19.98
<b>Subtotal Imports: Nebraska</b>		<b>52</b>	<b>63 949</b>	<b>1 232</b>	<b>1 237 156</b>	<b>23.69</b>	<b>19.98</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	55 667	442 569	2 866 031	31 823 636	51.49	60.75
	Quebec	50	1 103 322	1 588	35 327 660	31.75	32.73
<b>Subtotal Imports: New York</b>		<b>55 717</b>	<b>1 545 891</b>	<b>2 867 619</b>	<b>67 151 296</b>	<b>51.47</b>	<b>42.36</b>
<b>North Dakota</b>	Manitoba	14 689	60 545	172 861	1 036 395	11.77	17.62
	Saskatchewan	1 400	242 587	42 848	7 304 544	30.61	28.34
<b>Subtotal Imports: North Dakota</b>		<b>16 089</b>	<b>303 132</b>	<b>215 709</b>	<b>8 340 939</b>	<b>13.41</b>	<b>26.91</b>
<b>Oregon</b>	Alberta	28 522	148 602	1 164 541	4 640 287	40.83	32.08
<b>Subtotal Imports: Oregon</b>		<b>28 522</b>	<b>148 602</b>	<b>1 164 541</b>	<b>4 640 287</b>	<b>40.83</b>	<b>32.08</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	516	37 679	10 996	816 986	21.31	22.25
<b>Subtotal Imports: South Dakota</b>		<b>516</b>	<b>37 679</b>	<b>10 996</b>	<b>816 986</b>	<b>21.31</b>	<b>22.25</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>	
		SEP99	JAN99 - SEP99	SEP99	JAN99 - SEP99	SEP99	L12M
<b>Texas</b>	Manitoba	0	10 335	117 578	444 863	0.00	43.04
<b>Subtotal Imports: Texas</b>		<b>0</b>	<b>10 335</b>	<b>117 578</b>	<b>444 863</b>	<b>0.00</b>	<b>43.04</b>
<b>Vermont</b>	Quebec	50	122 250	1 475 973	19 882 575	17.72	37.47
<b>Subtotal Imports: Vermont</b>		<b>50</b>	<b>122 250</b>	<b>1 475 973</b>	<b>19 882 575</b>	<b>17.72</b>	<b>37.47</b>
<b>Washington</b>	Alberta	14 177	160 179	602 029	4 842 538	42.47	30.75
	British Columbia	182 390	5 067 431	4 110 142	113 133 713	22.53	23.41
	Saskatchewan	39 737	96 218	797 119	2 576 379	20.06	26.83
<b>Subtotal Imports: Washington</b>		<b>236 304</b>	<b>5 323 828</b>	<b>5 509 290</b>	<b>120 552 630</b>	<b>23.31</b>	<b>23.66</b>
<b>Wisconsin</b>	Manitoba	63	45 982	2 249	1 041 951	35.70	23.71
<b>Subtotal Imports: Wisconsin</b>		<b>63</b>	<b>45 982</b>	<b>2 249</b>	<b>1 041 951</b>	<b>35.70</b>	<b>23.71</b>
<b>Total Imports</b>		<b>528 572</b>	<b>9 475 490</b>	<b>17 086 673</b>	<b>275 777 067</b>	<b>29.54</b>	<b>28.24</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	SEP99		
	Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Canadian Coal	12 408	540 521	43.56
Canadian Oil	364	20 433	56.10
Hydraulic	3 780 008	139 586 681	36.93
Imported Coal	208 769	8 172 174	39.14
Imported Oil	26 373	1 275 928	48.38
Natural Gas	8 875	438 447	49.40
Nuclear	10 733	485 059	45.19
Other	469 766	21 787 622	46.38
<b>Total</b>	<b>4 517 296</b>	<b>172 306 865</b>	<b>38.14</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	SEP99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Cominco	Hydraulic	Permit 132	12 025	563 488	46.86
		<b>Subtotal</b>	<b>12 025</b>	<b>563 488</b>	<b>46.86</b>
		<b>Subtotal</b>	<b>12 025</b>	<b>563 488</b>	<b>46.86</b>
Hydro-Quebec	Hydraulic	Licence 176	503 740	14 261 008	28.31
		Licence 180	90 823	3 444 392	37.92
		Licence 181	14 679	556 690	37.92
		Licence 182	13 421	508 981	37.92
		Licence 183	26 085	989 252	37.92
		Licence 184	12 402	470 336	37.92
		Permit 64	588 699	19 928 784	33.85
		Permit 65	396 482	15 933 082	40.19
		<b>Subtotal</b>	<b>1 646 331</b>	<b>56 092 525</b>	<b>34.07</b>
		<b>Subtotal</b>	<b>1 646 331</b>	<b>56 092 525</b>	<b>34.07</b>
Manitoba Hydro	Hydraulic	Licence 170	272 475	5 827 832	21.39
		Permit 33	16 400	331 244	20.20
		Permit 34	11 700	269 336	23.02
		Permit 35	28 800	679 916	23.61
		Permit 45	78 750	2 458 842	31.22
		Permit 46	223 835	6 895 094	30.80
		Permit 52	7 145	175 193	24.52
		Permit 68	6 039	118 302	19.59

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	SEP99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
		<b>Subtotal</b>	<b>645 144</b>	<b>16 755 758</b>	<b>25.97</b>
		<b>Subtotal</b>	<b>645 144</b>	<b>16 755 758</b>	<b>25.97</b>
<b>NB Power</b>	Canadian Coal	Permit 18	90	4 537	50.41
		Permit 47	257	13 569	52.90
		Permit 91	12 062	522 416	43.31
		<b>Subtotal</b>	<b>12 408</b>	<b>540 521</b>	<b>43.56</b>
	Canadian Oil	Permit 16	364	20 433	56.11
		<b>Subtotal</b>	<b>364</b>	<b>20 433</b>	<b>56.10</b>
	Imported Coal	Permit 16	3 004	168 561	56.11
		Permit 18	541	27 270	50.41
		Permit 47	4 084	216 017	52.90
		Permit 91	81 476	3 526 460	43.28
		<b>Subtotal</b>	<b>89 105</b>	<b>3 938 307</b>	<b>44.20</b>
	Imported Oil	Permit 15	50	2 087	41.75
		Permit 16	1 111	61 075	54.99
		Permit 18	390	20 062	51.39
		Permit 91	10 959	473 499	43.21
		<b>Subtotal</b>	<b>12 510</b>	<b>556 723</b>	<b>44.50</b>
	Nuclear	Permit 16	418	23 452	56.11
		Permit 18	64	3 226	50.41
		Permit 47	2 150	113 709	52.90

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	SEP99			
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>	
NB Power	Nuclear	Permit 91	8 101	344 672	42.55	
		<b>Subtotal</b>	<b>10 733</b>	<b>485 059</b>	<b>45.19</b>	
	Other	Permit 16	7 295	408 032	55.94	
		Permit 18	2 015	103 735	51.49	
		Permit 47	175	9 231	52.90	
		Permit 91	265 997	11 933 697	44.86	
		<b>Subtotal</b>	<b>275 481</b>	<b>12 454 695</b>	<b>45.21</b>	
	<b>Subtotal</b>		<b>400 601</b>	<b>17 995 738</b>	<b>44.92</b>	
	OPGI/OHIM	Hydraulic	Permit 21	5 892	287 844	48.85
			<b>Subtotal</b>	<b>5 892</b>	<b>287 844</b>	<b>48.85</b>
Imported Coal		Permit 21	119 664	4 233 866	35.38	
		<b>Subtotal</b>	<b>119 664</b>	<b>4 233 866</b>	<b>35.38</b>	
Imported Oil		Permit 21	13 863	719 205	51.88	
		<b>Subtotal</b>	<b>13 863</b>	<b>719 205</b>	<b>51.88</b>	
Natural Gas		Permit 21	8 875	438 447	49.40	
		<b>Subtotal</b>	<b>8 875</b>	<b>438 447</b>	<b>49.40</b>	
Other		Permit 21	188	8 910	47.40	
		<b>Subtotal</b>	<b>188</b>	<b>8 910</b>	<b>47.40</b>	
<b>Subtotal</b>		<b>148 482</b>	<b>5 688 273</b>	<b>38.31</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	SEP99			
			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	12 960	403 885	31.16	
		Permit 118	1 345 984	64 690 158	48.06	
		Permit 119	28 872	793 022	27.47	
		<b>Subtotal</b>	<b>1 470 616</b>	<b>65 887 066</b>	<b>44.80</b>	
	Other	Permit 116	237	6 794	28.67	
		Permit 118	193 860	9 317 224	48.06	
		<b>Subtotal</b>	<b>194 097</b>	<b>9 324 017</b>	<b>48.04</b>	
		<b>Subtotal</b>		<b>1 664 713</b>	<b>75 211 083</b>	<b>45.18</b>
	<b>Total All Exporters</b>			<b>4 517 296</b>	<b>172 306 865</b>	<b>38.14</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.