

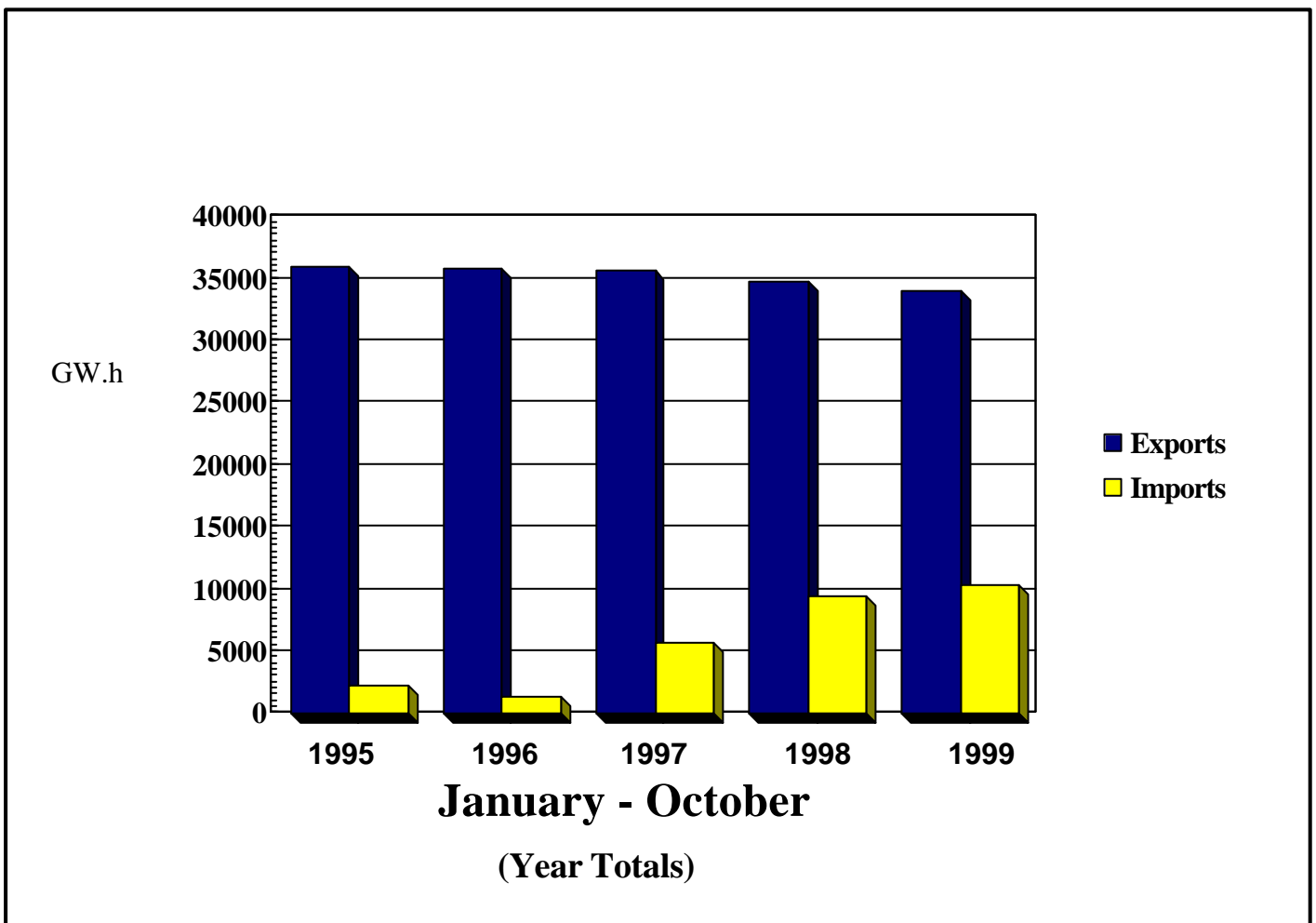


# Electricity Exports and Imports

## Monthly Statistics for: **October 1999**

Exports: **4463** GW.h

Imports: **802** GW.h





National Energy Board  
Office national de l'énergie

# TABLE 1

## Exports and Imports of Electricity

### Summary: Canada

#### OCTOBER 1999

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Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
	OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Exports of Electric Energy</b>						
Firm	1 763 357	14 938 097	68 213 441	683 472 159	27.41	31.38
Interruptible	2 699 633	19 050 312	127 701 924	881 917 369	46.83	45.38
Non-Revenue/Inadvertant	82 237	429 832	0	0	0.00	0.00
Service	13 670	138 889	2 990	15 756	0.22	0.06
<b>Total Exports</b>	<b>4 558 896</b>	<b>34 557 129</b>	<b>195 918 355</b>	<b>1 565 405 284</b>	<b>38.33</b>	<b>38.24</b>
Total Sales - Firm and Interruptible	4 462 990	33 988 409	195 915 365	1 565 389 528	39.15	38.87
<b>Imports of Electric Energy</b>						
Interruptible	0	41	0	1 947	0.00	47.50
Non-Revenue/Inadvertant	71 364	274 131	0	643 566	0.00	4.05
Purchase	801 900	10 277 576	19 725 520	295 510 562	22.17	27.46
Service	13 822	1 172 071	4 896	71 997	0.35	0.13
<b>Total Imports</b>	<b>887 085</b>	<b>11 723 819</b>	<b>19 730 416</b>	<b>296 228 072</b>	<b>20.05</b>	<b>23.97</b>
<b>Excess of Exports Over Imports</b>	<b>3 671 811</b>	<b>22 833 310</b>	<b>176 187 939</b>	<b>1 269 177 212</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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*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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Alberta</b>								
TransAlta Ener.	Permit 74	F	0	10 153	0	352 975	0.00	33.60
TransCanada	Permit 78	I	1 150	5 504	55 140	160 846	47.95	29.22
<b>Subtotal Firm and Interruptible Exports: Alberta</b>			<b>1 150</b>	<b>15 657</b>	<b>55 140</b>	<b>513 821</b>	<b>47.95</b>	<b>32.47</b>
<b>British Columbia</b>								
BC Hydro	Permit 105	F	82	804	9 595	58 804	116.56	72.45
	Treaty	N	14 874	194 733	0	0	0.00	0.00
Cominco	Permit 57	I	0	16 950	0	538 967	0.00	39.83
	Permit 131	I	30 491	41 341	1 957 179	2 371 606	64.19	57.37
	Permit 132	F	0	23 990	0	1 254 422	0.00	52.29
Powerex	Permit 92	F	85 675	588 396	0	0	0.00	0.00
	Permit 95	F	14 175	66 770	464 379	2 078 579	32.76	32.30
	Permit 118	I	1 153 861	8 001 359	74 710 625	372 510 242	64.75	46.56
	Permit 119	F	23 840	230 232	654 210	5 351 977	27.44	24.48
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>1 308 124</b>	<b>8 973 379</b>	<b>77 795 989</b>	<b>384 251 646</b>	<b>59.47</b>	<b>41.98</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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Manitoba</b>								
Manitoba Hydro	Licence 170	F	271 489	2 806 765	14 229 800	153 151 173	21.22	22.82
	Permit 33	F	26 896	180 701	619 909	3 774 374	23.05	20.90
	Permit 34	F	22 835	128 419	461 782	2 927 480	20.22	22.62
	Permit 35	F	23 750	131 350	586 200	3 152 622	23.64	24.62
	Permit 45	F	66 250	835 662	1 806 004	42 518 307	26.36	36.95
	Permit 46	I	303 654	2 416 638	8 327 346	83 346 291	24.90	33.97
		N	-26 618	- 982 166	0	0	0.00	0.00
	Permit 52	F	4 780	35 135	302 794	1 989 056	24.55	24.72
	Permit 61	F	0	3 625	0	167 143	0.00	46.18
	Permit 68	F	8 600	110 247	427 728	5 579 352	17.22	25.07
	Permit 128	F	355	355	17 080	17 080	48.11	48.11
<b>Subtotal Firm and Interruptible Exports: Manitoba</b>			<b>728 609</b>	<b>6 648 897</b>	<b>26 778 643</b>	<b>296 622 879</b>	<b>23.33</b>	<b>28.60</b>
<b>New Brunswick</b>								
Fraser Inc.	Permit 102	F	23 925	255 870	1 724 707	17 648 927	72.09	68.49
Maine & NB	Licence 177	F	0	62 807	0	1 540 065	0.00	17.57
NB Power	Permit 15	I	0	153	0	12 172	0.00	42.88
		N	-1 673	1 903	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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
NB Power	Permit 16	I	15 121	149 564	859 327	8 472 072	56.83	56.46
		N	-1 651	-26 877	0	0	0.00	0.00
	Permit 17	S	9 381	61 406	0	0	0.00	0.00
		I	1 728	19 715	86 569	999 503	50.10	50.97
	Permit 18	N	1	- 126	0	0	0.00	0.00
		F	5	39	532	4 194	113.73	109.85
	Permit 47	F	6 838	69 601	532 274	5 364 645	52.90	52.90
	Permit 91	I	375 596	3 538 241	16 959 495	150 417 608	44.67	41.43
PDI Canada Inc.	Licence 177	F	17 196	43 386	531 119	1 221 535	25.94	20.32
<b>Subtotal Firm and Interruptible Exports: New Brunswick</b>			<b>440 409</b>	<b>4 139 376</b>	<b>20 694 023</b>	<b>185 680 722</b>	<b>45.99</b>	<b>43.44</b>
<b>Ontario</b>								
Cdn. Niagara	Permit 84	F	32 097	294 133	1 564 540	11 543 739	48.74	37.78
D&W Subway	Permit 26	F	154 500	155 889	0	0	0.00	0.00
Ind Ele Mark Op	Permit 22	N	97 636	945 549	0	0	0.00	0.00
Ont Power Gen	Permit 24	F	15	83	30	128	2.00	1.54
Ont. Hydro/OHIM	Permit 21	I	0	258 316	0	9 842 397	0.00	35.35
		S	0	11 112	0	11 572	0.00	0.09

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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	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	246 517	1 787 687	9 210 283	136 927 862	36.00	74.14
		S	2 889	7 421	2 990	4 184	1.03	0.56
<b>Subtotal Firm and Interruptible Exports: Ontario</b>			<b>433 129</b>	<b>2 496 171</b>	<b>10 774 852</b>	<b>158 314 253</b>	<b>24.10</b>	<b>59.04</b>
<b>Quebec</b>								
Hydro-Quebec	Licence 176	F	469 658	4 470 142	13 300 640	142 018 534	28.32	32.03
	Licence 180	F	113 410	936 588	9 742 705	90 679 723	37.94	38.51
	Licence 181	F	14 603	206 171	1 424 117	18 908 021	37.94	38.67
	Licence 182	F	16 670	144 575	1 415 520	13 426 252	37.94	38.51
	Licence 183	F	31 666	253 005	2 912 013	24 632 603	37.94	38.50
	Licence 184	F	16 046	133 304	1 137 565	12 724 270	37.94	38.52
	Permit 64	I	571 515	2 759 268	15 535 960	113 784 237	27.18	41.27
	Permit 65	F	317 923	2 669 573	14 344 525	116 713 010	41.09	38.87
<b>Subtotal Firm and Interruptible Exports: Quebec</b>			<b>1 551 491</b>	<b>11 572 626</b>	<b>59 813 045</b>	<b>532 886 649</b>	<b>31.71</b>	<b>36.68</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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
Sask. Power	Licence 118	S	1 400	58 950	0	0	0.00	0.00
	Licence 119	I	0	49 628	0	2 354 418	0.00	47.44
		N	- 333	-57 768	0	0	0.00	0.00
	Permit 89	F	78	90 241	3 672	4 671 553	47.08	51.64
<b>Subtotal Firm and Interruptible Exports: Saskatchewan</b>			<b>78</b>	<b>142 302</b>	<b>3 672</b>	<b>7 119 558</b>	<b>47.08</b>	<b>49.89</b>
<b>Total Firm and Interruptible Exports:</b>			<b>4 462 990</b>	<b>33 988 409</b>	<b>195 915 365</b>	<b>1 565 389 528</b>	<b>39.15</b>	<b>38.87</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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Alberta</b>								
TransAlta	-	P	216	2 302	9 278	97 441	43.00	42.51
TransAlta Ener.		P	0	229 371	0	7 341 402	0.00	32.15
TransCanada		P	2 093	108 891	137 172	3 136 429	65.54	28.80
<b>Subtotal Purchased Imports: Alberta</b>			<b>2 309</b>	<b>340 564</b>	<b>146 450</b>	<b>10 575 272</b>	<b>63.43</b>	<b>31.17</b>
<b>British Columbia</b>								
BC Hydro		P	0	165	0	10 600	0.00	64.16
Cominco		P	0	10 535	0	0	0.00	0.00
Powerex		P	261 898	5 246 352	6 655 038	117 798 012	25.41	23.36
West Kootenay		P	0	72 442	0	1 990 739	0.00	21.41
<b>Subtotal Purchased Imports: British Columbia</b>			<b>261 898</b>	<b>5 329 494</b>	<b>6 655 038</b>	<b>119 799 351</b>	<b>25.41</b>	<b>23.29</b>
<b>Manitoba</b>								
Manitoba Hydro		N	-23 538	-1 001 926	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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
Manitoba Hydro	-	P	20 530	1 271 557	926 917	26 493 641	22.25	21.22
<b>Subtotal Purchased Imports: Manitoba</b>			<b>20 530</b>	<b>1 271 557</b>	<b>926 917</b>	<b>26 493 641</b>	<b>22.25</b>	<b>21.22</b>
<b>New Brunswick</b>								
Maine & NB		P	0	3 499	0	149 370	0.00	42.21
NB Power		N	1 467	28 630	0	0	0.00	0.00
		P	215	16 267	3 797	9 266	17.66	0.57
		S	9 381	62 773	0	0	0.00	0.00
PDI Canada Inc.		P	539	3 354	23 905	156 477	44.35	46.65
<b>Subtotal Purchased Imports: New Brunswick</b>			<b>754</b>	<b>23 120</b>	<b>27 702</b>	<b>315 113</b>	<b>36.74</b>	<b>14.78</b>
<b>Ontario</b>								
Cdn. Niagara		N	0	3 727	0	0	0.00	0.00
D&W Subway		P	142 800	144 063	0	0	0.00	0.00
Ind Elc Mark Op		N	104 693	941 026	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	34.51

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>	
			OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
Ontario Hydro	-	S	0	163 450	0	47 844	0.00	0.65
OPGI/OHIM		P	286 849	839 946	8 603 865	45 322 671	29.99	53.96
		S	4 441	24 832	4 896	24 153	1.10	0.97
<b>Subtotal Purchased Imports: Ontario</b>			<b>429 649</b>	<b>1 184 513</b>	<b>8 603 865</b>	<b>54 304 025</b>	<b>20.03</b>	<b>40.65</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	258	1 696 157	1 480 906	72 012 165	20.45	33.00
		S	0	862 616	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Quebec</b>			<b>258</b>	<b>1 696 198</b>	<b>1 480 906</b>	<b>72 014 112</b>	<b>20.45</b>	<b>33.00</b>
<b>Saskatchewan</b>								
Sask. Power		N	-11 258	-70 572	0	0	0.00	0.00
		P	86 502	432 171	1 884 643	12 010 996	21.79	26.80
		S	0	58 400	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Saskatchewan</b>			<b>86 502</b>	<b>432 171</b>	<b>1 884 643</b>	<b>12 010 996</b>	<b>21.79</b>	<b>26.80</b>
<b>Total Purchased Imports:</b>			<b>801 900</b>	<b>10 277 617</b>	<b>19 725 520</b>	<b>295 512 510</b>	<b>22.17</b>	<b>27.46</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>	
		OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Alaska</b>	British Columbia	82	1 204	9 595	71 802	116.56	60.98
<b>Subtotal Exports: Alaska</b>		<b>82</b>	<b>1 204</b>	<b>9 595</b>	<b>71 802</b>	<b>116.56</b>	<b>60.98</b>
<b>California</b>	Alberta	0	25	0	946	0.00	37.86
	British Columbia	83 927	1 076 220	5 714 240	51 697 863	68.09	48.04
<b>Subtotal Exports: California</b>		<b>83 927</b>	<b>1 076 245</b>	<b>5 714 240</b>	<b>51 698 809</b>	<b>68.09</b>	<b>48.04</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	8 119	77 491	540 046	3 564 094	66.52	45.99
<b>Subtotal Exports: Idaho</b>		<b>8 119</b>	<b>77 661</b>	<b>540 046</b>	<b>3 568 754</b>	<b>66.52</b>	<b>45.95</b>
<b>Iowa</b>	Manitoba	18 888	61 188	199 620	1 630 952	10.57	27.02
<b>Subtotal Exports: Iowa</b>		<b>18 888</b>	<b>61 188</b>	<b>199 620</b>	<b>1 630 952</b>	<b>10.57</b>	<b>27.02</b>
<b>Kansas</b>	Manitoba	100	875	1 619	28 754	16.19	33.51
<b>Subtotal Exports: Kansas</b>		<b>100</b>	<b>875</b>	<b>1 619</b>	<b>28 754</b>	<b>16.19</b>	<b>33.51</b>
<b>Maine</b>	New Brunswick	440 409	4 139 376	20 694 023	185 680 722	45.99	43.44
	Quebec	0	6 480	0	257 052	0.00	39.67
<b>Subtotal Exports: Maine</b>		<b>440 409</b>	<b>4 145 856</b>	<b>20 694 023</b>	<b>185 937 773</b>	<b>45.99</b>	<b>43.44</b>
<b>Michigan</b>	British Columbia	0	175	0	13 088	0.00	74.79
	Ontario	174 371	1 007 983	740 979	56 608 196	4.25	54.02
<b>Subtotal Exports: Michigan</b>		<b>174 371</b>	<b>1 008 158</b>	<b>740 979</b>	<b>56 621 284</b>	<b>4.25</b>	<b>54.03</b>
<b>Minnesota</b>	Manitoba	630 504	6 008 423	24 089 871	272 261 545	23.66	28.00

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>	
		OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Minnesota</b>	Ontario	19 706	193 235	1 137 475	17 358 723	41.08	77.73
	Saskatchewan	0	27 067	0	1 183 351	0.00	43.70
<b>Subtotal Exports: Minnesota</b>		<b>650 210</b>	<b>6 228 725</b>	<b>25 227 345</b>	<b>290 803 619</b>	<b>24.19</b>	<b>29.48</b>
<b>Missouri</b>	Manitoba	8	338	353	8 799	44.15	30.35
<b>Subtotal Exports: Missouri</b>		<b>8</b>	<b>338</b>	<b>353</b>	<b>8 799</b>	<b>44.15</b>	<b>30.35</b>
<b>Montana</b>	British Columbia	1 410	10 419	90 023	475 043	63.85	45.59
	Manitoba	0	5 179	0	154 576	0.00	30.26
	Saskatchewan	0	2 433	0	93 587	0.00	38.89
<b>Subtotal Exports: Montana</b>		<b>1 410</b>	<b>18 031</b>	<b>90 023</b>	<b>723 206</b>	<b>63.85</b>	<b>40.15</b>
<b>Nebraska</b>	Manitoba	375	26 430	4 093	903 257	10.92	36.16
<b>Subtotal Exports: Nebraska</b>		<b>375</b>	<b>26 430</b>	<b>4 093</b>	<b>903 257</b>	<b>10.92</b>	<b>36.16</b>
<b>New England</b>	Ontario	81	41 640	0	28 919 730	0.00	658.50
	Quebec	469 658	5 713 237	13 300 640	190 009 207	28.32	33.69
<b>Subtotal Exports: New England</b>		<b>469 739</b>	<b>5 754 877</b>	<b>13 300 640</b>	<b>218 928 937</b>	<b>28.31</b>	<b>37.68</b>
<b>New York</b>	Ontario	238 971	1 240 214	8 896 398	54 959 273	37.19	41.79
	Quebec	241 752	963 698	8 054 345	43 429 001	33.32	45.08
<b>Subtotal Exports: New York</b>		<b>480 723</b>	<b>2 203 912</b>	<b>16 950 743</b>	<b>98 388 274</b>	<b>35.24</b>	<b>43.12</b>
<b>North Dakota</b>	British Columbia	0	448	0	146 243	0.00	326.44
	Manitoba	12 391	98 695	536 998	4 391 621	24.63	30.76
	Saskatchewan	78	69 403	3 672	3 481 917	47.08	50.14
<b>Subtotal Exports: North Dakota</b>		<b>12 469</b>	<b>168 546</b>	<b>540 670</b>	<b>8 019 781</b>	<b>24.77</b>	<b>39.24</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 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>	
		OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Oregon</b>	Alberta	0	4 772	0	168 026	0.00	34.85
	British Columbia	94 060	375 667	4 926 714	16 899 631	52.38	44.99
	Manitoba	16 770	17 020	510 919	521 851	30.47	30.66
<b>Subtotal Exports: Oregon</b>		<b>110 830</b>	<b>397 459</b>	<b>5 437 633</b>	<b>17 589 509</b>	<b>49.06</b>	<b>44.23</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	1 050	2 204	16 999	67 712	16.19	30.74
<b>Subtotal Exports: South Dakota</b>		<b>1 050</b>	<b>2 481</b>	<b>16 999</b>	<b>229 790</b>	<b>16.19</b>	<b>92.56</b>
<b>Texas</b>	Manitoba	15 240	167 353	815 603	9 097 763	28.67	46.96
<b>Subtotal Exports: Texas</b>		<b>15 240</b>	<b>167 353</b>	<b>815 603</b>	<b>9 097 763</b>	<b>28.67</b>	<b>46.96</b>
<b>Vermont</b>	Quebec	840 081	4 889 211	38 458 061	299 191 389	33.14	38.99
<b>Subtotal Exports: Vermont</b>		<b>840 081</b>	<b>4 889 211</b>	<b>38 458 061</b>	<b>299 191 389</b>	<b>33.14</b>	<b>38.99</b>
<b>Washington</b>	Alberta	1 150	10 690	55 140	340 189	47.95	31.67
	British Columbia	1 120 526	7 429 148	66 515 370	311 095 189	59.36	40.90
	Saskatchewan	0	43 399	0	2 360 702	0.00	54.16
<b>Subtotal Exports: Washington</b>		<b>1 121 676</b>	<b>7 483 237</b>	<b>66 570 510</b>	<b>313 796 080</b>	<b>59.35</b>	<b>40.96</b>
<b>Wisconsin</b>	Manitoba	33 283	261 192	602 568	7 556 049	18.10	29.26
<b>Subtotal Exports: Wisconsin</b>		<b>33 283</b>	<b>261 192</b>	<b>602 568</b>	<b>7 556 049</b>	<b>18.10</b>	<b>29.26</b>
<b>Total Exports</b>		<b>4 462 990</b>	<b>33 988 409</b>	<b>195 915 365</b>	<b>1 565 389 528</b>	<b>39.15</b>	<b>38.87</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>	
		OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	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	25	21 779	2 511	674 651	100.44	30.99
<b>Subtotal Imports: Idaho</b>		<b>25</b>	<b>21 779</b>	<b>2 511</b>	<b>674 651</b>	<b>100.44</b>	<b>30.99</b>
<b>Iowa</b>	Alberta	0	1 530	0	49 304	0.00	32.22
	Manitoba	360	35 466	14 884	814 455	41.34	24.17
<b>Subtotal Imports: Iowa</b>		<b>360</b>	<b>36 996</b>	<b>14 884</b>	<b>863 759</b>	<b>41.34</b>	<b>24.36</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	754	23 120	27 702	315 113	36.74	14.78
	Quebec	0	270 110	0	9 071 964	0.00	33.59
<b>Subtotal Imports: Maine</b>		<b>754</b>	<b>293 230</b>	<b>27 702</b>	<b>9 387 077</b>	<b>36.74</b>	<b>32.04</b>
<b>Michigan</b>	Ontario	418 598	690 066	8 125 836	20 094 418	19.41	29.36
<b>Subtotal Imports: Michigan</b>		<b>418 598</b>	<b>690 066</b>	<b>8 125 836</b>	<b>20 094 418</b>	<b>19.41</b>	<b>29.36</b>
<b>Minnesota</b>	Alberta	0	1 173	0	30 314	0.00	25.84
	Manitoba	11 659	1 018 167	560 854	21 067 849	21.77	21.28
	Ontario	0	11 067	0	339 327	0.00	29.46
	Saskatchewan	13 950	20 814	409 590	655 021	29.36	31.47
<b>Subtotal Imports: Minnesota</b>		<b>25 609</b>	<b>1 051 221</b>	<b>970 444</b>	<b>22 092 510</b>	<b>25.91</b>	<b>21.50</b>
<b>Missouri</b>	Manitoba	12	61	544	3 446	45.37	26.40
<b>Subtotal Imports: Missouri</b>		<b>12</b>	<b>61</b>	<b>544</b>	<b>3 446</b>	<b>45.37</b>	<b>26.40</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>	
		OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Montana</b>	Alberta	216	4 537	9 278	182 433	43.00	40.42
	British Columbia	0	165	0	10 600	0.00	64.16
	Manitoba	0	26 190	0	462 568	0.00	17.70
<b>Subtotal Imports: Montana</b>		<b>216</b>	<b>30 892</b>	<b>9 278</b>	<b>655 601</b>	<b>43.00</b>	<b>21.43</b>
<b>Nebraska</b>	Manitoba	1 196	65 145	19 899	1 257 054	16.64	19.57
<b>Subtotal Imports: Nebraska</b>		<b>1 196</b>	<b>65 145</b>	<b>19 899</b>	<b>1 257 054</b>	<b>16.64</b>	<b>19.57</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	11 051	453 620	478 029	32 301 665	43.26	67.80
	Quebec	258	1 103 580	5 275	35 332 935	20.45	32.70
<b>Subtotal Imports: New York</b>		<b>11 309</b>	<b>1 557 200</b>	<b>483 304</b>	<b>67 634 600</b>	<b>42.74</b>	<b>42.64</b>
<b>North Dakota</b>	Manitoba	29	60 574	1 280	1 037 676	44.15	17.61
	Saskatchewan	21 103	263 690	525 555	7 830 099	24.90	27.63
<b>Subtotal Imports: North Dakota</b>		<b>21 132</b>	<b>324 264</b>	<b>526 835</b>	<b>8 867 774</b>	<b>24.93</b>	<b>26.18</b>
<b>Oregon</b>	Alberta	25	148 627	1 920	4 642 207	76.80	31.38
<b>Subtotal Imports: Oregon</b>		<b>25</b>	<b>148 627</b>	<b>1 920</b>	<b>4 642 207</b>	<b>76.80</b>	<b>31.38</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	3 073	40 752	76 997	893 983	25.06	21.70
<b>Subtotal Imports: South Dakota</b>		<b>3 073</b>	<b>40 752</b>	<b>76 997</b>	<b>893 983</b>	<b>25.06</b>	<b>21.70</b>
<b>Texas</b>	Manitoba	4 200	14 535	252 414	697 277	21.27	36.75
<b>Subtotal Imports: Texas</b>		<b>4 200</b>	<b>14 535</b>	<b>252 414</b>	<b>697 277</b>	<b>21.27</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>	
		OCT99	JAN99 - OCT99	OCT99	JAN99 - OCT99	OCT99	L12M
<b>Vermont</b>	Quebec	0	122 250	1 475 631	21 358 206	0.00	37.33
<b>Subtotal Imports: Vermont</b>		<b>0</b>	<b>122 250</b>	<b>1 475 631</b>	<b>21 358 206</b>	<b>0.00</b>	<b>37.33</b>
<b>Washington</b>	Alberta	2 043	162 222	132 741	4 975 279	64.97	30.76
	British Columbia	261 898	5 329 329	6 655 038	119 788 751	25.41	23.29
	Saskatchewan	51 449	147 667	949 498	3 525 877	18.46	23.90
<b>Subtotal Imports: Washington</b>		<b>315 390</b>	<b>5 639 218</b>	<b>7 737 276</b>	<b>128 289 906</b>	<b>24.53</b>	<b>23.50</b>
<b>Wisconsin</b>	Manitoba	1	2 917	44	80 217	44.15	27.37
<b>Subtotal Imports: Wisconsin</b>		<b>1</b>	<b>2 917</b>	<b>44</b>	<b>80 217</b>	<b>44.15</b>	<b>27.37</b>
<b>Total Imports</b>		<b>801 900</b>	<b>10 277 617</b>	<b>19 725 520</b>	<b>295 512 510</b>	<b>22.17</b>	<b>27.46</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	OCT99		
	Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Canadian Coal	5 311	239 058	45.01
Canadian Oil	547	31 456	57.52
Hydraulic	3 307 879	126 324 038	38.19
Imported Coal	250 240	9 271 572	37.05
Imported Oil	21 171	910 375	43.00
Natural Gas	16 289	722 400	44.35
Nuclear	507	25 485	50.29
Other	631 643	33 398 009	52.87
<b>Total</b>	<b>4 233 587</b>	<b>170 922 394</b>	<b>40.37</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	OCT99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
<b>Cominco</b>	Hydraulic	Permit 131	30 491	1 957 179	64.19
		<b>Subtotal</b>	<b>30 491</b>	<b>1 957 179</b>	<b>64.19</b>
		<b>Subtotal</b>	<b>30 491</b>	<b>1 957 179</b>	<b>64.19</b>
<b>Hydro-Quebec</b>	Hydraulic	Licence 176	469 658	13 300 640	28.32
		Licence 180	113 410	4 302 442	37.94
		Licence 181	14 603	553 995	37.94
		Licence 182	16 670	632 411	37.94
		Licence 183	31 666	1 201 315	37.94
		Licence 184	16 046	608 738	37.94
		Permit 64	571 515	15 535 960	27.18
		Permit 65	317 923	13 062 921	41.09
		<b>Subtotal</b>	<b>1 551 491</b>	<b>49 198 422</b>	<b>31.71</b>
		<b>Subtotal</b>	<b>1 551 491</b>	<b>49 198 422</b>	<b>31.71</b>
<b>Manitoba Hydro</b>	Hydraulic	Licence 170	271 489	5 761 908	21.22
		Permit 33	26 896	619 909	23.05
		Permit 34	22 835	461 782	20.22
		Permit 35	23 750	561 381	23.64
		Permit 45	45 720	1 205 013	26.36
		Permit 46	303 654	7 562 440	24.91
		Permit 52	4 780	117 347	24.55
		Permit 68	8 600	148 086	17.22

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	OCT99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
		<b>Subtotal</b>	<b>707 724</b>	<b>16 437 865</b>	<b>23.23</b>
Manitoba Hydro	Other	Permit 45	20 530	541 096	26.36
		<b>Subtotal</b>	<b>20 530</b>	<b>541 096</b>	<b>26.36</b>
	<b>Subtotal</b>		<b>728 254</b>	<b>16 978 961</b>	<b>23.31</b>
NB Power	Canadian Coal	Permit 18	5	250	50.10
		Permit 47	271	14 325	52.90
		Permit 91	5 035	224 483	44.58
		<b>Subtotal</b>	<b>5 311</b>	<b>239 058</b>	<b>45.01</b>
	Canadian Oil	Permit 16	547	31 456	57.52
		<b>Subtotal</b>	<b>547</b>	<b>31 456</b>	<b>57.52</b>
	Imported Coal	Permit 16	1 734	99 745	57.52
		Permit 18	61	3 046	50.10
		Permit 47	5 840	308 957	52.90
		Permit 91	35 509	1 588 342	44.73
		<b>Subtotal</b>	<b>43 144</b>	<b>2 000 090</b>	<b>46.36</b>
	Imported Oil	Permit 16	59	3 333	56.59
		Permit 18	30	1 503	50.10
		Permit 47	8	423	52.90
Permit 91		7 218	321 266	44.51	
<b>Subtotal</b>		<b>7 315</b>	<b>326 526</b>	<b>44.64</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	OCT99			
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>	
NB Power	Nuclear	Permit 16	9	541	57.52	
		Permit 47	326	17 224	52.90	
		Permit 91	172	7 720	44.94	
		<b>Subtotal</b>	<b>507</b>	<b>25 485</b>	<b>50.29</b>	
	Other	Permit 16	12 772	724 252	56.71	
		Permit 18	1 632	81 769	50.10	
		Permit 47	393	20 800	52.90	
		Permit 91	327 662	14 635 181	44.67	
		<b>Subtotal</b>	<b>342 459</b>	<b>15 462 003</b>	<b>45.15</b>	
		<b>Subtotal</b>		<b>399 283</b>	<b>18 084 618</b>	<b>45.29</b>
OPGI/OHIM	Hydraulic	Permit 21	9 276	296 267	31.94	
		<b>Subtotal</b>	<b>9 276</b>	<b>296 267</b>	<b>31.94</b>	
	Imported Coal	Permit 21	207 096	7 271 482	35.11	
		<b>Subtotal</b>	<b>207 096</b>	<b>7 271 482</b>	<b>35.11</b>	
	Imported Oil	Permit 21	13 856	583 849	42.14	
		<b>Subtotal</b>	<b>13 856</b>	<b>583 849</b>	<b>42.14</b>	
	Natural Gas	Permit 21	16 289	722 400	44.35	
		<b>Subtotal</b>	<b>16 289</b>	<b>722 400</b>	<b>44.35</b>	
		<b>Subtotal</b>		<b>246 517</b>	<b>8 873 998</b>	<b>36.00</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	OCT99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Powerex	Hydraulic	Permit 92	85 675	0	0.00
		Permit 95	14 175	464 379	32.76
		Permit 118	885 207	57 315 715	64.75
		Permit 119	23 840	654 210	27.44
		<b>Subtotal</b>	<b>1 008 897</b>	<b>58 434 305</b>	<b>57.92</b>
	Other	Permit 118	268 654	17 394 910	64.75
		<b>Subtotal</b>	<b>268 654</b>	<b>17 394 910</b>	<b>64.75</b>
	<b>Subtotal</b>		<b>1 277 551</b>	<b>75 829 215</b>	<b>59.36</b>
<b>Total All Exporters</b>			<b>4 233 587</b>	<b>170 922 394</b>	<b>40.37</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.