

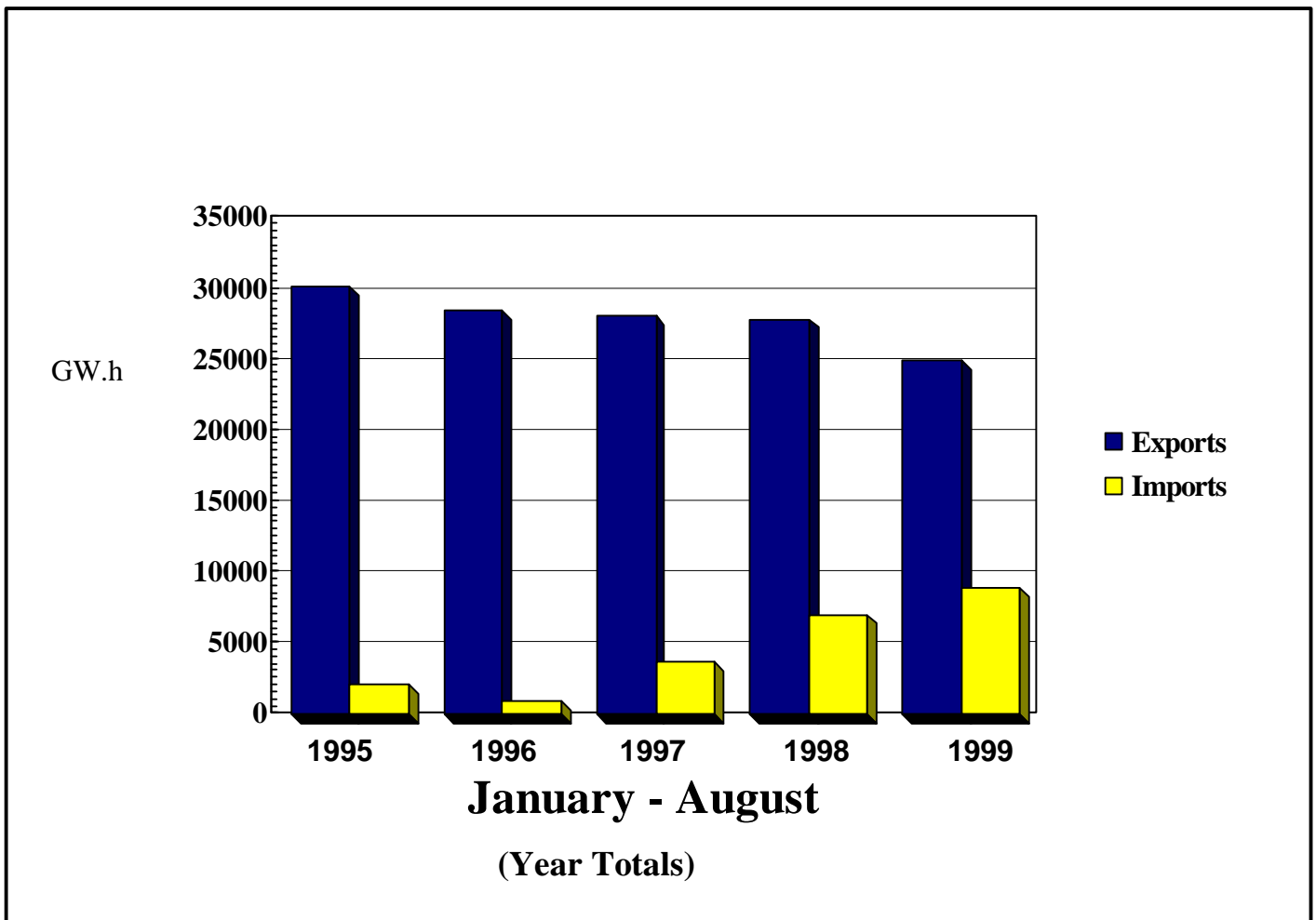


# Electricity Exports and Imports

## Monthly Statistics for: **August 1999**

Exports: **4489** GW.h

Imports: **517** GW.h





National Energy Board  
Office national de l'énergie

# TABLE 1

## Exports and Imports of Electricity

### Summary: Canada

#### AUGUST 1999

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Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
	AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Exports of Electric Energy</b>						
Firm	1 934 021	11 478 371	89 909 493	544 220 554	33.82	31.95
Interruptible	2 554 979	13 453 510	125 997 762	629 305 258	49.06	44.11
Non-Revenue/Inadvertant	141 202	295 221	0	0	0.00	0.00
Service	23 954	116 219	106	12 731	0.00	0.05
<b>Total Exports</b>	<b>4 654 156</b>	<b>25 343 321</b>	<b>215 907 362</b>	<b>1 173 538 543</b>	<b>40.99</b>	<b>37.47</b>
Total Sales - Firm and Interruptible	4 489 000	24 931 881	215 907 255	1 173 525 812	42.49	37.90
<b>Imports of Electric Energy</b>						
Interruptible	0	41	0	1 947	0.00	47.50
Non-Revenue/Inadvertant	131 125	129 955	0	643 566	0.00	-4.84
Purchase	516 915	8 946 825	18 796 323	258 685 323	33.48	28.37
Service	10 841	1 145 644	1 786	61 067	0.16	0.14
<b>Total Imports</b>	<b>658 881</b>	<b>10 222 466</b>	<b>18 798 109</b>	<b>259 391 904</b>	<b>26.27</b>	<b>24.45</b>
<b>Excess of Exports Over Imports</b>	<b>3 995 275</b>	<b>15 120 855</b>	<b>197 109 252</b>	<b>914 146 639</b>		
<b>Number of Export Licences:</b>	<b>16</b>					
<b>Number of Export Permits/Orders:</b>	<b>94</b>					
	<b>110</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>		
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M	
<b>Alberta</b>									
TransAlta Ener.	Permit 74	F	596	10 153	21 729	352 975	36.46	34.41	
TransCanada	Permit 78	I	1 894	3 319	39 563	71 141	20.89	21.43	
<b>Subtotal Firm and Interruptible Exports: Alberta</b>			<b>2 490</b>	<b>13 472</b>	<b>61 292</b>	<b>424 116</b>	<b>24.62</b>	<b>32.46</b>	
<b>British Columbia</b>									
BC Hydro	Permit 105	F	90	722	9 376	49 209	104.18	68.13	
	Treaty	N	19 194	179 859	0	0	0.00	0.00	
Cominco	Permit 57	I	0	16 950	0	538 967	0.00	43.38	
	Permit 131	I	0	10 850	0	414 427	0.00	38.20	
	Permit 132	F	10 765	11 965	664 005	690 934	61.68	57.75	
Powerex	Permit 92	F	85 560	419 921	0	0	0.00	0.00	
	Permit 95	F	11 870	39 635	356 895	1 210 314	30.07	33.81	
	Permit 118	I	1 250 041	5 307 654	60 577 790	223 792 235	48.46	42.16	
	Permit 119	F	33 777	177 520	689 352	3 904 744	20.41	23.74	
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>1 392 103</b>	<b>5 988 754</b>	<b>62 297 418</b>	<b>230 687 880</b>	<b>44.75</b>	<b>36.51</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>	
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Manitoba</b>								
Manitoba Hydro	Licence 170	F	291 200	2 262 801	15 602 401	125 233 945	21.35	23.67
	Permit 33	F	50 250	137 405	1 032 753	2 823 221	20.55	20.76
	Permit 34	F	28 450	93 884	666 419	2 196 362	23.42	22.87
	Permit 35	F	24 800	78 800	489 946	1 886 505	24.02	25.85
	Permit 45	F	155 160	690 662	10 764 021	38 164 670	47.41	36.57
	Permit 46	I	188 079	1 889 149	8 879 438	67 954 470	46.50	34.32
		N	-41 140	- 909 899	0	0	0.00	0.00
	Permit 52	F	4 165	23 210	292 387	1 325 850	24.95	25.35
	Permit 61	F	345	3 302	16 835	150 827	48.80	46.44
	Permit 68	F	11 365	95 608	564 528	4 754 022	24.67	25.99
<b>Subtotal Firm and Interruptible Exports: Manitoba</b>			<b>753 814</b>	<b>5 274 821</b>	<b>38 308 728</b>	<b>244 489 872</b>	<b>33.18</b>	<b>29.23</b>
<b>New Brunswick</b>								
Fraser Inc.	Permit 102	F	23 820	202 110	1 655 027	13 903 914	69.48	67.96
Maine & NB	Licence 177	F	0	62 807	0	1 540 065	0.00	17.52
NB Power	Permit 15	I	0	103	0	10 085	0.00	29.14
		N	2 458	4 315	0	0	0.00	0.00
	Permit 16	I	15 620	122 251	873 530	6 931 193	55.92	56.40

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>	
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
NB Power	Permit 16	N	-4 825	-20 967	0	0	0.00	0.00
	Permit 17	S	8 670	44 798	0	0	0.00	0.00
	Permit 18	I	2 832	14 887	143 962	754 105	50.83	50.67
		N	3	- 116	0	0	0.00	0.00
	Permit 28	F	3	31	358	3 337	103.99	109.34
	Permit 47	F	7 160	56 099	496 904	4 308 010	52.90	52.79
	Permit 91	I	432 406	2 784 050	19 702 447	116 475 090	45.14	40.21
PDI Canada Inc.	Licence 177	F	7 390	12 136	191 793	326 499	14.45	12.90
<b>Subtotal Firm and Interruptible Exports: New Brunswick</b>			<b>489 231</b>	<b>3 254 474</b>	<b>23 064 021</b>	<b>144 252 298</b>	<b>46.35</b>	<b>42.55</b>
<b>Ontario</b>								
Cdn. Niagara	Permit 84	F	30 189	238 477	1 778 028	9 309 601	58.90	37.01
D&W Subway	Permit 26	F	142	1 236	0	0	0.00	0.00
Ind Elc Mark Op	Permit 22	N	171 507	743 848	0	0	0.00	0.00
Ont Power Gen	Permit 24	F	12	56	24	73	2.03	1.31
Ont. Hydro/OHIM	Permit 21	I	0	258 316	0	9 842 397	0.00	26.30
		S	0	11 112	0	11 572	0.00	0.08
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>	
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
Ontario Hydro	Permit 24	F	0	64	0	127	0.00	2.00
OPGI/OHIM	Permit 21	I	191 831	1 392 688	14 849 985	121 674 884	75.64	84.72
		S	684	4 159	106	1 159	0.16	0.28
<b>Subtotal Firm and Interruptible Exports: Ontario</b>			<b>222 174</b>	<b>1 890 837</b>	<b>16 628 037</b>	<b>140 827 082</b>	<b>73.31</b>	<b>60.63</b>
<b>Quebec</b>								
Hydro-Quebec	Licence 176	F	591 355	3 496 744	19 423 364	114 456 885	32.85	33.51
		F	108 863	732 355	9 667 377	72 054 205	38.32	38.78
		F	18 293	176 889	1 579 986	16 057 387	38.32	38.91
		F	17 173	114 484	1 449 169	10 718 907	38.32	38.80
		F	27 848	195 254	2 540 294	19 273 542	38.32	38.79
		F	16 050	104 856	1 404 241	10 335 396	38.32	38.74
		I	462 873	1 599 054	20 296 101	78 319 493	43.85	49.01
		F	358 596	1 955 168	17 400 789	84 752 958	43.78	38.42
<b>Subtotal Firm and Interruptible Exports: Quebec</b>			<b>1 601 051</b>	<b>8 374 804</b>	<b>73 761 322</b>	<b>405 968 774</b>	<b>39.12</b>	<b>37.79</b>
<b>Saskatchewan</b>								
Powerex	Permit 116	I	0	2 196	0	86 794	0.00	39.68
Sask. Power	Licence 118	S	14 600	56 150	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>	
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
Sask. Power	Licence 119	I	9 403	48 528	634 947	2 354 418	67.53	46.21
		N	-5 995	-56 403	0	0	0.00	0.00
	Permit 89	F	18 734	83 994	1 151 491	4 434 577	61.47	51.93
<b>Subtotal Firm and Interruptible Exports: Saskatchewan</b>			<b>28 137</b>	<b>134 718</b>	<b>1 786 437</b>	<b>6 875 789</b>	<b>63.49</b>	<b>49.51</b>
<b>Total Firm and Interruptible Exports:</b>			<b>4 489 000</b>	<b>24 931 881</b>	<b>215 907 255</b>	<b>1 173 525 812</b>	<b>42.49</b>	<b>37.90</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>	
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Alberta</b>								
TransAlta	-	P	246	1 859	10 216	78 240	41.61	41.71
TransAlta Ener.		P	46 973	190 158	1 455 716	5 679 829	30.99	31.54
TransCanada		P	15 042	99 369	508 747	2 761 815	33.82	27.79
<b>Subtotal Purchased Imports: Alberta</b>			<b>62 261</b>	<b>291 386</b>	<b>1 974 679</b>	<b>8 519 884</b>	<b>31.72</b>	<b>30.47</b>
<b>British Columbia</b>								
BC Hydro		P	0	113	0	7 477	0.00	67.72
Cominco		P	0	10 535	0	0	0.00	0.00
Powerex		P	275 991	4 803 964	7 527 457	107 074 727	27.27	23.51
West Kootenay		P	1 730	70 542	39 962	1 948 844	23.10	21.39
<b>Subtotal Purchased Imports: British Columbia</b>			<b>277 721</b>	<b>4 885 154</b>	<b>7 567 419</b>	<b>109 031 048</b>	<b>27.25</b>	<b>23.44</b>
<b>Manitoba</b>								
Manitoba Hydro		N	-35 473	- 941 344	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>	
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
Manitoba Hydro	-	P	29 972	1 224 028	598 418	25 059 597	19.97	21.68
<b>Subtotal Purchased Imports: Manitoba</b>			<b>29 972</b>	<b>1 224 028</b>	<b>598 418</b>	<b>25 059 597</b>	<b>19.97</b>	<b>21.68</b>
<b>New Brunswick</b>								
Maine & NB		P	0	3 499	0	149 370	0.00	42.32
NB Power		N	4 939	21 874	0	0	0.00	0.00
		P	127	16 052	1 524	5 469	12.00	0.34
		S	8 670	46 165	0	0	0.00	0.00
PDI Canada Inc.		P	544	2 605	22 814	123 269	41.94	47.32
<b>Subtotal Purchased Imports: New Brunswick</b>			<b>671</b>	<b>22 156</b>	<b>24 338</b>	<b>278 108</b>	<b>36.27</b>	<b>14.38</b>
<b>Ontario</b>								
Cdn. Niagara		N	0	3 727	0	0	0.00	0.00
D&W Subway		P	126	1 121	0	0	0.00	0.00
Ind Elc Mark Op		N	168 331	730 670	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>	
			AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
Ontario Hydro	-	P	0	200 504	0	8 981 354	0.00	35.68
		S	0	163 450	0	47 844	0.00	0.73
OPGI/OHIM		P	57 600	322 531	4 069 657	28 489 424	70.65	88.33
		S	2 171	15 013	1 786	13 223	0.82	0.88
<b>Subtotal Purchased Imports: Ontario</b>			<b>57 726</b>	<b>524 156</b>	<b>4 069 657</b>	<b>37 470 777</b>	<b>70.50</b>	<b>43.60</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	72 153	1 695 799	4 006 680	69 053 699	34.85	33.15
		S	0	862 616	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Quebec</b>			<b>72 153</b>	<b>1 695 840</b>	<b>4 006 680</b>	<b>69 055 646</b>	<b>34.85</b>	<b>33.15</b>
<b>Saskatchewan</b>								
Sask. Power		N	-6 672	-58 218	0	0	0.00	0.00
		P	16 411	304 147	555 132	9 272 211	33.83	28.82
		S	0	58 400	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Saskatchewan</b>			<b>16 411</b>	<b>304 147</b>	<b>555 132</b>	<b>9 272 211</b>	<b>33.83</b>	<b>28.82</b>
<b>Total Purchased Imports:</b>			<b>516 915</b>	<b>8 946 866</b>	<b>18 796 323</b>	<b>258 687 271</b>	<b>33.48</b>	<b>28.37</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>	
		AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Alaska</b>	British Columbia	90	1 122	9 376	62 207	104.18	58.45
<b>Subtotal Exports: Alaska</b>		<b>90</b>	<b>1 122</b>	<b>9 376</b>	<b>62 207</b>	<b>104.18</b>	<b>58.45</b>
<b>California</b>	Alberta	0	25	0	946	0.00	37.86
	British Columbia	285 476	731 032	14 591 828	32 826 759	51.11	44.90
<b>Subtotal Exports: California</b>		<b>285 476</b>	<b>731 057</b>	<b>14 591 828</b>	<b>32 827 705</b>	<b>51.11</b>	<b>44.90</b>
<b>Colorado</b>	British Columbia	400	2 330	19 745	126 615	49.36	54.34
<b>Subtotal Exports: Colorado</b>		<b>400</b>	<b>2 330</b>	<b>19 745</b>	<b>126 615</b>	<b>49.36</b>	<b>54.34</b>
<b>Idaho</b>	Alberta	45	170	821	4 660	18.24	27.41
	British Columbia	8 266	63 892	375 567	2 762 248	45.44	43.23
<b>Subtotal Exports: Idaho</b>		<b>8 311</b>	<b>64 062</b>	<b>376 388</b>	<b>2 766 908</b>	<b>45.29</b>	<b>43.19</b>
<b>Iowa</b>	Manitoba	1 243	38 187	50 922	1 385 078	40.97	36.83
<b>Subtotal Exports: Iowa</b>		<b>1 243</b>	<b>38 187</b>	<b>50 922</b>	<b>1 385 078</b>	<b>40.97</b>	<b>36.83</b>
<b>Kansas</b>	Manitoba	0	775	0	27 135	0.00	44.85
<b>Subtotal Exports: Kansas</b>		<b>0</b>	<b>775</b>	<b>0</b>	<b>27 135</b>	<b>0.00</b>	<b>44.85</b>
<b>Maine</b>	New Brunswick	489 231	3 254 474	23 064 021	144 252 298	46.35	42.55
<b>Subtotal Exports: Maine</b>		<b>489 231</b>	<b>3 254 474</b>	<b>23 064 021</b>	<b>144 252 298</b>	<b>46.35</b>	<b>42.55</b>
<b>Michigan</b>	British Columbia	175	175	13 088	13 088	74.79	74.79
	Ontario	65 192	824 537	8 545 153	55 538 757	131.08	51.24
<b>Subtotal Exports: Michigan</b>		<b>65 367</b>	<b>824 712</b>	<b>8 558 241</b>	<b>55 551 845</b>	<b>130.93</b>	<b>51.25</b>
<b>Minnesota</b>	Manitoba	704 700	4 769 715	35 297 747	224 385 502	31.73	28.60

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>	
		AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Minnesota</b>	Ontario	24 901	152 144	1 944 200	14 908 247	64.58	85.02
	Saskatchewan	2 157	25 439	156 086	1 113 826	72.36	43.94
<b>Subtotal Exports: Minnesota</b>		<b>731 758</b>	<b>4 947 298</b>	<b>37 398 032</b>	<b>240 407 574</b>	<b>32.97</b>	<b>29.94</b>
<b>Missouri</b>	Manitoba	0	275	0	7 960	0.00	39.29
<b>Subtotal Exports: Missouri</b>		<b>0</b>	<b>275</b>	<b>0</b>	<b>7 960</b>	<b>0.00</b>	<b>39.29</b>
<b>Montana</b>	British Columbia	972	7 509	43 082	312 062	44.32	41.56
	Manitoba	0	5 094	0	152 995	0.00	30.71
	Saskatchewan	0	2 196	0	86 794	0.00	39.68
<b>Subtotal Exports: Montana</b>		<b>972</b>	<b>14 799</b>	<b>43 082</b>	<b>551 851</b>	<b>44.32</b>	<b>37.58</b>
<b>Nebraska</b>	Manitoba	135	25 880	6 058	892 329	44.87	37.98
<b>Subtotal Exports: Nebraska</b>		<b>135</b>	<b>25 880</b>	<b>6 058</b>	<b>892 329</b>	<b>44.87</b>	<b>37.98</b>
<b>New England</b>	Ontario	42	41 305	0	28 919 730	0.00	616.33
	Quebec	654 881	4 739 839	21 877 989	162 447 559	33.41	34.87
<b>Subtotal Exports: New England</b>		<b>654 923</b>	<b>4 781 144</b>	<b>21 877 989</b>	<b>191 367 289</b>	<b>33.41</b>	<b>38.77</b>
<b>New York</b>	Ontario	131 489	859 751	6 108 519	40 992 017	46.42	43.26
	Quebec	179 120	528 578	7 613 069	28 493 571	42.50	53.89
<b>Subtotal Exports: New York</b>		<b>310 609</b>	<b>1 388 329</b>	<b>13 721 589</b>	<b>69 485 588</b>	<b>44.16</b>	<b>46.76</b>
<b>North Dakota</b>	British Columbia	0	448	0	146 243	0.00	326.44
	Manitoba	16 855	70 908	819 919	3 208 811	34.67	32.03
	Saskatchewan	9 487	68 225	640 588	3 478 245	67.52	48.90
<b>Subtotal Exports: North Dakota</b>		<b>26 342</b>	<b>139 581</b>	<b>1 460 507</b>	<b>6 833 298</b>	<b>46.50</b>	<b>39.93</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>	
		AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Oregon</b>	Alberta	225	4 722	5 484	166 771	24.37	36.81
	British Columbia	50 215	207 244	2 751 248	8 528 826	54.79	41.15
	Manitoba	0	250	0	10 932	0.00	43.73
<b>Subtotal Exports: Oregon</b>		<b>50 440</b>	<b>212 216</b>	<b>2 756 732</b>	<b>8 706 529</b>	<b>54.65</b>	<b>41.03</b>
<b>Pennsylvania</b>	Ontario	550	13 100	30 165	468 332	54.85	35.72
<b>Subtotal Exports: Pennsylvania</b>		<b>550</b>	<b>13 100</b>	<b>30 165</b>	<b>468 332</b>	<b>54.85</b>	<b>35.72</b>
<b>South Dakota</b>	British Columbia	0	277	0	162 078	0.00	585.12
	Manitoba	750	1 138	39 863	50 007	53.15	43.95
<b>Subtotal Exports: South Dakota</b>		<b>750</b>	<b>1 415</b>	<b>39 863</b>	<b>212 085</b>	<b>53.15</b>	<b>149.66</b>
<b>Texas</b>	Manitoba	24 820	143 333	1 808 745	7 536 866	67.85	46.75
<b>Subtotal Exports: Texas</b>		<b>24 820</b>	<b>143 333</b>	<b>1 808 745</b>	<b>7 536 866</b>	<b>67.85</b>	<b>46.75</b>
<b>Vermont</b>	Quebec	767 050	3 106 387	44 270 263	215 027 645	43.21	40.85
<b>Subtotal Exports: Vermont</b>		<b>767 050</b>	<b>3 106 387</b>	<b>44 270 263</b>	<b>215 027 645</b>	<b>43.21</b>	<b>40.85</b>
<b>Washington</b>	Alberta	2 220	8 555	54 987	251 739	24.77	30.77
	British Columbia	1 046 509	4 974 725	44 493 483	185 747 754	42.52	35.07
	Saskatchewan	16 493	38 858	989 763	2 196 924	60.01	55.05
<b>Subtotal Exports: Washington</b>		<b>1 065 222</b>	<b>5 022 138</b>	<b>45 538 234</b>	<b>188 196 417</b>	<b>42.75</b>	<b>35.22</b>
<b>Wisconsin</b>	Manitoba	5 311	219 266	285 476	6 832 258	53.75	30.33
<b>Subtotal Exports: Wisconsin</b>		<b>5 311</b>	<b>219 266</b>	<b>285 476</b>	<b>6 832 258</b>	<b>53.75</b>	<b>30.33</b>
<b>Total Exports</b>		<b>4 489 000</b>	<b>24 931 881</b>	<b>215 907 255</b>	<b>1 173 525 812</b>	<b>42.49</b>	<b>37.90</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>	
		AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	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	415	20 794	27 347	633 059	65.90	30.46
<b>Subtotal Imports: Idaho</b>		<b>415</b>	<b>20 794</b>	<b>27 347</b>	<b>633 059</b>	<b>65.90</b>	<b>30.46</b>
<b>Iowa</b>	Manitoba	674	35 076	26 747	798 249	39.68	25.12
<b>Subtotal Imports: Iowa</b>		<b>674</b>	<b>35 076</b>	<b>26 747</b>	<b>798 249</b>	<b>39.68</b>	<b>25.12</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	671	22 156	24 338	278 108	36.27	14.38
	Quebec	11 192	270 110	297 794	9 071 964	26.61	33.59
<b>Subtotal Imports: Maine</b>		<b>11 863</b>	<b>292 266</b>	<b>322 132</b>	<b>9 350 072</b>	<b>27.15</b>	<b>32.04</b>
<b>Michigan</b>	Ontario	9 326	96 587	514 778	6 607 145	55.20	34.91
<b>Subtotal Imports: Michigan</b>		<b>9 326</b>	<b>96 587</b>	<b>514 778</b>	<b>6 607 145</b>	<b>55.20</b>	<b>34.91</b>
<b>Minnesota</b>	Manitoba	21 247	951 795	433 281	19 344 415	20.39	21.55
	Ontario	536	10 907	12 111	337 413	22.59	26.71
	Saskatchewan	1 415	6 479	51 484	231 256	36.38	34.94
<b>Subtotal Imports: Minnesota</b>		<b>23 198</b>	<b>969 181</b>	<b>496 875</b>	<b>19 913 083</b>	<b>21.42</b>	<b>21.70</b>
<b>Missouri</b>	Manitoba	4	47	389	2 813	97.23	25.64
<b>Subtotal Imports: Missouri</b>		<b>4</b>	<b>47</b>	<b>389</b>	<b>2 813</b>	<b>97.23</b>	<b>25.64</b>
<b>Montana</b>	Alberta	746	3 814	30 655	149 486	41.12	39.45

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>	
		AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Montana</b>	British Columbia	0	113	0	7 477	0.00	67.72
	Manitoba	1 100	26 190	17 781	462 568	16.16	17.70
<b>Subtotal Imports: Montana</b>		<b>1 846</b>	<b>30 117</b>	<b>48 437</b>	<b>619 530</b>	<b>26.25</b>	<b>21.16</b>
<b>Nebraska</b>	Manitoba	35	63 897	3 606	1 235 924	103.02	20.03
<b>Subtotal Imports: Nebraska</b>		<b>35</b>	<b>63 897</b>	<b>3 606</b>	<b>1 235 924</b>	<b>103.02</b>	<b>20.03</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	47 864	386 902	3 542 768	28 957 605	74.02	58.27
	Quebec	47 835	1 103 272	1 823 530	35 326 072	38.12	32.84
<b>Subtotal Imports: New York</b>		<b>95 699</b>	<b>1 490 174</b>	<b>5 366 298</b>	<b>64 283 677</b>	<b>56.07</b>	<b>41.97</b>
<b>North Dakota</b>	Manitoba	3 008	45 856	38 056	863 534	12.65	19.10
	Saskatchewan	650	241 187	27 891	7 261 695	42.91	28.42
<b>Subtotal Imports: North Dakota</b>		<b>3 658</b>	<b>287 043</b>	<b>65 947</b>	<b>8 125 230</b>	<b>18.03</b>	<b>27.47</b>
<b>Oregon</b>	Alberta	25 569	120 080	716 720	3 475 746	28.03	30.72
<b>Subtotal Imports: Oregon</b>		<b>25 569</b>	<b>120 080</b>	<b>716 720</b>	<b>3 475 746</b>	<b>28.03</b>	<b>30.72</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	3 655	37 163	74 202	805 990	20.30	24.66
<b>Subtotal Imports: South Dakota</b>		<b>3 655</b>	<b>37 163</b>	<b>74 202</b>	<b>805 990</b>	<b>20.30</b>	<b>24.66</b>
<b>Texas</b>	Manitoba	240	10 335	3 949	327 285	16.45	31.67
<b>Subtotal Imports: Texas</b>		<b>240</b>	<b>10 335</b>	<b>3 949</b>	<b>327 285</b>	<b>16.45</b>	<b>31.67</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>	
		AUG99	JAN99 - AUG99	AUG99	JAN99 - AUG99	AUG99	L12M
<b>Vermont</b>	Quebec	13 126	122 200	1 885 356	18 406 603	29.97	37.61
<b>Subtotal Imports: Vermont</b>		<b>13 126</b>	<b>122 200</b>	<b>1 885 356</b>	<b>18 406 603</b>	<b>29.97</b>	<b>37.61</b>
<b>Washington</b>	Alberta	35 531	146 002	1 199 957	4 240 509	33.77	30.00
	British Columbia	277 721	4 885 041	7 567 419	109 023 571	27.25	23.44
	Saskatchewan	14 346	56 481	475 758	1 779 260	33.16	31.57
<b>Subtotal Imports: Washington</b>		<b>327 598</b>	<b>5 087 524</b>	<b>9 243 133</b>	<b>115 043 340</b>	<b>28.21</b>	<b>23.69</b>
<b>Wisconsin</b>	Manitoba	9	45 919	408	1 039 702	45.29	23.82
<b>Subtotal Imports: Wisconsin</b>		<b>9</b>	<b>45 919</b>	<b>408</b>	<b>1 039 702</b>	<b>45.29</b>	<b>23.82</b>
<b>Total Imports</b>		<b>516 915</b>	<b>8 946 866</b>	<b>18 796 323</b>	<b>258 687 271</b>	<b>33.48</b>	<b>28.37</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	AUG99		
	Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Canadian Coal	5 884	263 264	44.74
Canadian Oil	34	1 906	56.23
Hydraulic	3 433 286	134 780 302	39.26
Imported Coal	227 127	13 019 896	57.32
Imported Oil	53 498	3 201 345	59.84
Natural Gas	27 580	2 797 005	101.41
Nuclear	721	36 367	50.45
Other	648 847	31 262 942	48.18
<b>Total</b>	<b>4 396 978</b>	<b>185 363 026</b>	<b>42.16</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	AUG99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Cominco	Hydraulic	Permit 131	10 765	664 005	61.68
		<b>Subtotal</b>	<b>10 765</b>	<b>664 005</b>	<b>61.68</b>
		<b>Subtotal</b>	<b>10 765</b>	<b>664 005</b>	<b>61.68</b>
Hydro-Quebec	Hydraulic	Licence 176	591 355	19 423 364	32.85
		Licence 180	108 863	4 171 877	38.32
		Licence 181	18 293	701 029	38.32
		Licence 182	17 173	658 108	38.32
		Licence 183	27 848	1 067 198	38.32
		Licence 184	16 050	615 072	38.32
		Permit 64	462 873	20 296 101	43.85
		Permit 65	358 596	15 700 686	43.78
		<b>Subtotal</b>	<b>1 601 051</b>	<b>62 633 436</b>	<b>39.12</b>
		<b>Subtotal</b>	<b>1 601 051</b>	<b>62 633 436</b>	<b>39.12</b>
Manitoba Hydro	Hydraulic	Licence 170	291 200	6 215 683	21.35
		Permit 33	50 250	1 032 753	20.55
		Permit 34	28 450	666 419	23.42
		Permit 35	24 800	595 759	24.02
		Permit 45	123 973	5 877 141	47.41
		Permit 46	188 079	8 746 483	46.50
		Permit 52	4 165	103 917	24.95
		Permit 68	11 365	280 326	24.67

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	AUG99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
		<b>Subtotal</b>	<b>722 282</b>	<b>23 518 482</b>	<b>32.56</b>
Manitoba Hydro	Other	Permit 45	31 187	1 478 470	47.41
		<b>Subtotal</b>	<b>31 187</b>	<b>1 478 470</b>	<b>47.41</b>
	<b>Subtotal</b>		<b>753 469</b>	<b>24 996 952</b>	<b>33.18</b>
NB Power	Canadian Coal	Permit 18	22	1 098	50.83
		Permit 47	222	11 723	52.90
		Permit 91	5 641	250 443	44.40
		<b>Subtotal</b>	<b>5 884</b>	<b>263 264</b>	<b>44.74</b>
	Canadian Oil	Permit 16	34	1 906	56.23
		<b>Subtotal</b>	<b>34</b>	<b>1 906</b>	<b>56.23</b>
	Imported Coal	Permit 16	2 844	159 611	56.13
		Permit 18	308	15 672	50.83
		Permit 47	5 926	313 470	52.90
		Permit 91	79 344	3 597 423	45.34
		<b>Subtotal</b>	<b>88 421</b>	<b>4 086 176</b>	<b>46.21</b>
	Imported Oil	Permit 16	2 554	141 933	55.58
		Permit 18	566	28 792	50.83
Permit 91		36 065	1 570 361	43.54	
<b>Subtotal</b>		<b>39 185</b>	<b>1 741 086</b>	<b>44.43</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	AUG99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
NB Power	Nuclear	Permit 47	429	22 694	52.90
		Permit 91	285	13 183	46.27
		<b>Subtotal</b>	<b>714</b>	<b>35 877</b>	<b>50.26</b>
	Other	Permit 16	10 189	570 080	55.95
		Permit 18	1 936	98 399	50.83
		Permit 47	584	30 878	52.90
		Permit 91	311 071	14 085 558	45.28
		<b>Subtotal</b>	<b>323 779</b>	<b>14 784 915</b>	<b>45.66</b>
	<b>Subtotal</b>		<b>458 018</b>	<b>20 913 224</b>	<b>45.66</b>
	OPGI/OHIM	Hydraulic	Permit 21	3 941	200 134
<b>Subtotal</b>			<b>3 941</b>	<b>200 134</b>	<b>50.78</b>
Imported Coal		Permit 21	138 706	8 933 720	64.41
		<b>Subtotal</b>	<b>138 706</b>	<b>8 933 720</b>	<b>64.41</b>
Imported Oil		Permit 21	14 313	1 460 259	102.02
		<b>Subtotal</b>	<b>14 313</b>	<b>1 460 259</b>	<b>102.02</b>
Natural Gas		Permit 21	27 580	2 797 005	101.41
		<b>Subtotal</b>	<b>27 580</b>	<b>2 797 005</b>	<b>101.41</b>
Nuclear		Permit 21	7	490	69.98
		<b>Subtotal</b>	<b>7</b>	<b>490</b>	<b>69.98</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	AUG99		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
<b>OPGI/OHIM</b>	Other	Permit 21	7 284	1 118 036	153.49
		<b>Subtotal</b>	<b>7 284</b>	<b>1 118 036</b>	<b>153.49</b>
	<b>Subtotal</b>		<b>191 831</b>	<b>14 509 644</b>	<b>75.64</b>
<b>Powerex</b>	Hydraulic	Permit 92	85 560	0	0.00
		Permit 95	11 870	356 895	30.07
		Permit 118	964 040	46 717 997	48.46
		Permit 119	33 777	689 352	20.41
		<b>Subtotal</b>	<b>1 095 247</b>	<b>47 764 244</b>	<b>43.61</b>
	Other	Permit 118	286 001	13 859 792	48.46
		<b>Subtotal</b>	<b>286 001</b>	<b>13 859 792</b>	<b>48.46</b>
<b>Subtotal</b>		<b>1 381 248</b>	<b>61 624 036</b>	<b>44.61</b>	
<b>TransAlta Ener.</b>	Other	Permit 74	596	21 729	36.46
		<b>Subtotal</b>	<b>596</b>	<b>21 729</b>	<b>36.46</b>
	<b>Subtotal</b>		<b>596</b>	<b>21 729</b>	<b>36.46</b>
<b>Total All Exporters</b>			<b>4 396 978</b>	<b>185 363 026</b>	<b>42.16</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.