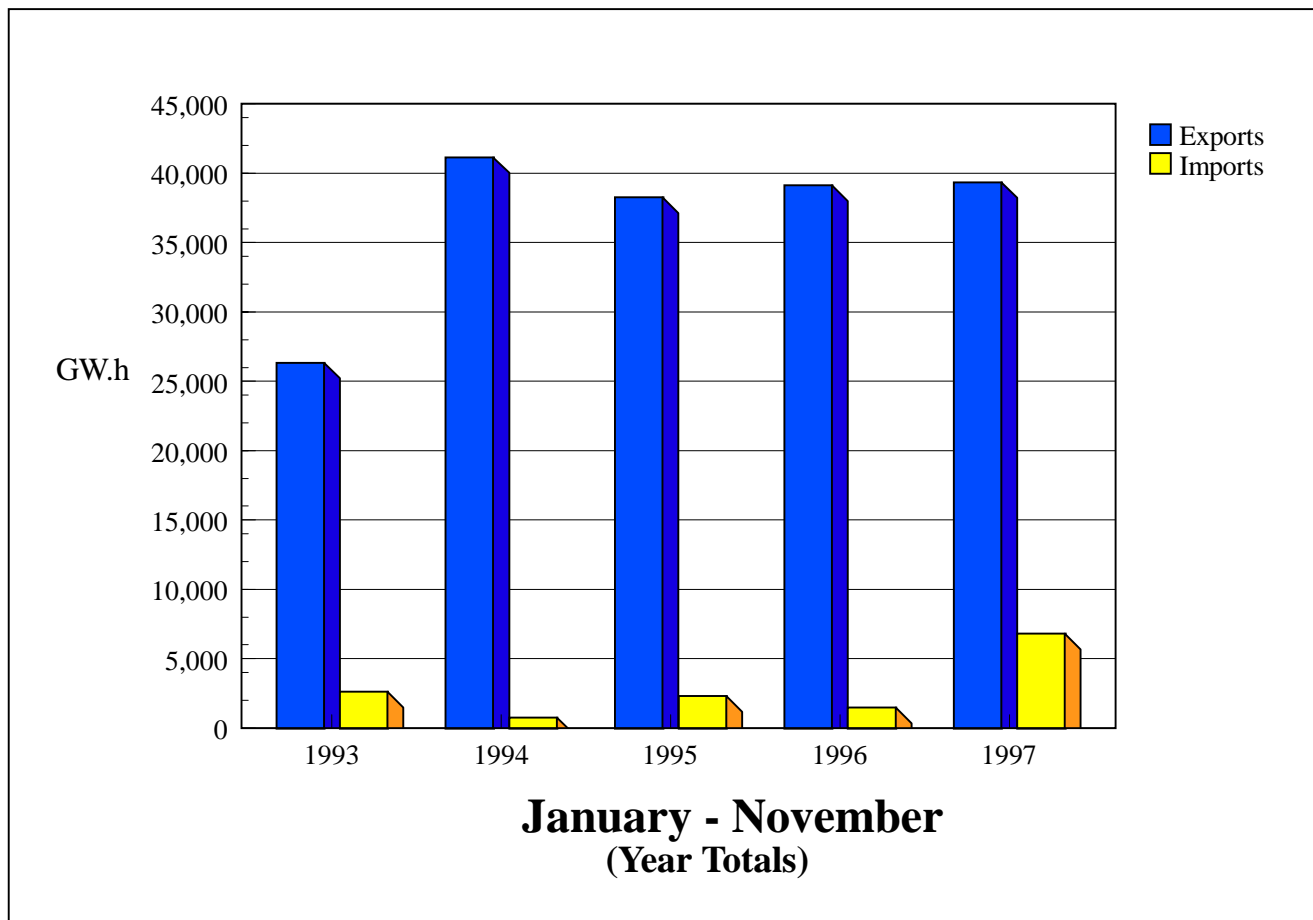




# Electricity Exports and Imports

## Monthly Statistics for: **November 1997**

Exports: **3729** GW.h  
Imports: **1071** GW.h



# TABLE 1

## Exports and Imports of Electricity

### Summary: Canada

#### NOVEMBER 1997

Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
	NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>Exports of Electric Energy</b>						
Firm	1 365 338	15 321 203	58 071 223	629 879 136	29.93	28.14
Interruptible	2 363 750	24 027 709	70 524 216	623 493 585	29.80	25.46
Non-Revenue/Inadvertant	150 163	1 288 596	0	0	0.00	0.00
Service	34 316	756 892	0	659 212	0.00	0.77
<b>Total Exports</b>	<b>3 913 567</b>	<b>41 394 400</b>	<b>128 595 439</b>	<b>1 254 031 932</b>	<b>28.44</b>	<b>25.15</b>
Total Sales - Firm and Interruptible	3 729 088	39 348 912	128 595 439	1 253 372 720	29.85	26.51
<b>Imports of Electric Energy</b>						
Non-Revenue/Inadvertant	99 750	948 723	0	0	0.00	0.00
Purchase	1 070 971	6 809 930	37 418 280	186 492 600	32.09	19.83
Service	61 785	785 101	32 511	219 212	0.53	0.28
<b>Total Imports</b>	<b>1 232 505</b>	<b>8 543 754</b>	<b>37 450 791</b>	<b>186 711 811</b>	<b>27.91</b>	<b>15.65</b>
<b>Excess of Exports Over Imports</b>	<b>2 681 062</b>	<b>32 850 646</b>	<b>91 144 647</b>	<b>1 067 320 121</b>		
<b>Number of Export Licences:</b>	<b>17</b>					
<b>Number of Export Permits/Orders:</b>	<b>79</b>					
	<b>96</b>					

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.

*For further information, contact:*  
**Dave Walker,**  
**Research Officer,**  
**Energy Commodities Branch**  
**National Energy Board**  
**(403) 299 - 3171**



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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>	
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>Alberta</b>								
TransAlta	Permit 74	F	0	600	0	36 000	0.00	60.00
TransAlta Ener.		F	0	60 218	0	1 135 350	0.00	18.85
TransCanada	Permit 78	I	0	21 500	0	523 084	0.00	25.67
<b>Subtotal Firm and Interruptible Exports: Alberta</b>			<b>0</b>	<b>82 318</b>	<b>0</b>	<b>1 694 434</b>	<b>0.00</b>	<b>21.00</b>
<b>British Columbia</b>								
BC Hydro	Permit 105	F	91	1 520	2 087	81 571	22.93	53.65
	Treaty	N	26 928	266 295	0	0	0.00	0.00
BC Hydro/Powerx	Permit 43	I	1 283 349	7 572 393	36 183 352	179 721 786	28.19	24.08
Cominco	Permit 57	I	29 473	203 695	862 200	4 515 281	29.25	23.47
Powerex	Permit 71	F	0	10 546	0	390 623	0.00	37.04
	Permit 92	F	82 800	667 805	0	0	0.00	0.00
	Permit 95	F	5 900	36 480	225 049	1 590 317	38.14	42.80
West Kootenay	Permit 13	F	0	23	0	1 320	0.00	60.16

**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 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>	
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
West Kootenay	Permit 66	I	0	15 022	0	162 847	0.00	10.84
<b>Subtotal Firm and Interruptible Exports: British Columbia</b>			<b>1 401 613</b>	<b>8 507 485</b>	<b>37 272 687</b>	<b>186 463 745</b>	<b>26.59</b>	<b>22.12</b>
<b>Manitoba</b>								
Manitoba Hydro	Licence 170	F	275 526	3 023 470	12 807 925	137 735 759	22.47	22.37
	Permit 33	F	0	226 726	0	4 255 581	0.00	18.70
	Permit 34	F	0	141 333	0	2 752 937	0.00	19.95
	Permit 35	F	0	146 833	0	3 156 947	0.00	21.34
	Permit 45	F	136 147	1 331 703	2 958 210	27 527 344	21.09	20.00
	Permit 46	I	543 436	5 658 467	11 446 918	99 566 812	21.04	17.80
		N	-12 866	-56 931	0	0	0.00	0.00
		S	0	25 415	0	84 495	0.00	1.65
	Permit 52	F	0	47 865	0	1 994 249	0.00	22.73
	Permit 61	F	409	4 159	18 101	188 737	44.25	45.20
	Permit 68	F	13 065	90 688	518 635	3 348 976	20.30	17.18
<b>Subtotal Firm and Interruptible Exports: Manitoba</b>			<b>968 583</b>	<b>10 671 244</b>	<b>27 749 790</b>	<b>280 527 343</b>	<b>21.45</b>	<b>19.51</b>
<b>New Brunswick</b>								
Fraser Inc.	Permit 102	F	24 300	268 770	1 678 931	18 071 936	69.09	67.24

**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>	
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
Maine & NB	Licence 177	F	6 118	76 864	185 329	2 196 096	16.40	16.41
NB Power	Permit 15	I	27 700	844 713	1 204 277	33 115 261	43.48	39.51
		N	-99	2 158	0	0	0.00	0.00
	Permit 16	I	26 790	296 857	1 189 013	12 500 186	44.38	42.21
		N	6 344	30 981	0	0	0.00	0.00
	Permit 17	S	9 420	76 988	0	0	0.00	0.00
	Permit 18	I	7 241	63 698	369 898	3 120 959	51.08	49.01
		N	34	- 156	0	0	0.00	0.00
	Permit 28	F	6	41	642	4 901	102.01	120.84
	Permit 47	F	7 312	56 193	561 798	4 362 502	51.41	55.40
Permit 48	I	0	22 434	0	1 085 013	0.00	48.33	
Permit 91	I	212 259	1 973 906	10 550 778	79 273 364	49.71	40.16	
<b>Subtotal Firm and Interruptible Exports: New Brunswick</b>			<b>311 726</b>	<b>3 603 475</b>	<b>15 740 668</b>	<b>153 730 219</b>	<b>49.63</b>	<b>41.89</b>
<b>Ontario</b>								
Cdn. Niagara	Permit 84	F	16 743	188 280	499 812	4 254 728	29.85	22.38
	Permit 85	S	13 748	120 399	0	0	0.00	0.00
Cornwall Elec.	Permit 82	I	2 092	15 525	54 571	319 511	26.09	20.49
	Permit 83	S	1 730	109 361	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>		
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M	
D&W Subway	Permit 26	F	146	1 581	0	0	0.00	0.00	
Ont. Hydro/OHIM	Permit 21	I	8 151	2 936 247	402 440	87 707 787	41.16	23.79	
		S	9 418	36 836	0	53	0.00	0.00	
Ontario Hydro		I	0	2 737 625	0	68 814 993	0.00	25.29	
		S	0	63 720	0	60 840	0.00	0.92	
		Permit 22	N	119 420	881 959	0	0	0.00	0.00
		Permit 24	F	28	200	56	401	2.00	2.00
Stone Consolid	Permit 75	I	0	124	0	5 690	0.00	45.99	
<b>Subtotal Firm and Interruptible Exports: Ontario</b>			<b>27 159</b>	<b>5 879 582</b>	<b>956 879</b>	<b>161 103 111</b>	<b>32.77</b>	<b>24.47</b>	
<b>Quebec</b>									
Hydro-Quebec		F	401 304	5 084 469	13 338 729	157 335 721	33.24	30.87	
		F	0	779 916	0	40 987 424	0.00	36.57	
		F	91 894	986 649	8 581 250	90 680 809	36.59	35.02	
		F	27 984	308 924	2 526 731	27 226 009	36.59	35.01	
		F	13 434	151 978	1 229 282	13 376 079	36.59	35.01	
		F	24 096	267 194	2 276 632	24 556 029	36.59	35.01	
		F	13 248	142 798	1 260 968	12 984 648	36.59	35.01	
		F	0	992	0	69 474	0.00	70.30	

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 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>	
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
Hydro-Quebec	Permit 64	I	220 020	1 589 588	8 142 584	51 256 530	36.95	31.28
		N	4 601	41 374	0	0	0.00	0.00
		S	0	252 098	0	513 824	0.00	2.04
	Permit 65	F	212 982	1 187 923	8 982 194	48 652 765	40.57	36.32
<b>Subtotal Firm and Interruptible Exports: Quebec</b>			<b>1 004 962</b>	<b>10 500 431</b>	<b>46 338 368</b>	<b>467 125 489</b>	<b>36.17</b>	<b>32.67</b>
<b>Saskatchewan</b>								
Sask. Power	Licence 118	S	0	72 075	0	0	0.00	0.00
		I	3 239	75 916	118 183	1 804 479	36.49	24.31
	Licence 119	N	5 801	122 916	0	0	0.00	0.00
		F	11 806	28 461	418 863	923 901	35.48	32.46
<b>Subtotal Firm and Interruptible Exports: Saskatchewan</b>			<b>15 045</b>	<b>104 377</b>	<b>537 047</b>	<b>2 728 379</b>	<b>35.70</b>	<b>26.47</b>
<b>Total Firm and Interruptible Exports:</b>			<b>3 729 088</b>	<b>39 348 912</b>	<b>128 595 439</b>	<b>1 253 372 720</b>	<b>29.85</b>	<b>26.51</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.



National Energy Board  
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## TABLE 2B

### Import Summary Report

#### by Destination, Authorization and Exchange Type

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Destination	Authorization	Exchange Type	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>Alberta</b>								
TransAlta	-	P	230	2 725	9 631	117 881	41.89	44.34
TransCanada		P	412	50 546	9 284	971 184	22.53	19.26
<b>Subtotal Purchased Imports: Alberta</b>			<b>642</b>	<b>53 271</b>	<b>18 915</b>	<b>1 089 065</b>	<b>29.47</b>	<b>20.65</b>
<b>British Columbia</b>								
BC Hydro		P	12	334 797	884	11 693	73.67	0.02
BC Hydro/Powerx		P	75 175	2 783 722	1 737 488	34 632 429	23.11	12.44
Cominco		P	0	42 372	0	359 868	0.00	8.49
West Kootenay		P	26 060	256 029	757 991	5 465 532	21.17	20.19
<b>Subtotal Purchased Imports: British Columbia</b>			<b>101 247</b>	<b>3 416 920</b>	<b>2 496 363</b>	<b>40 469 522</b>	<b>22.62</b>	<b>11.05</b>
<b>Manitoba</b>								
Manitoba Hydro		N	-8 224	-68 058	0	0	0.00	0.00
		P	0	9 150	10 668	184 272	0.00	14.69

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>	
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
Manitoba Hydro	-	S	0	24 385	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Manitoba</b>			<b>0</b>	<b>9 150</b>	<b>10 668</b>	<b>184 272</b>	<b>0.00</b>	<b>14.69</b>
<b>New Brunswick</b>								
Maine & NB		P	91	6 374	14 922	306 646	163.98	48.09
NB Power		N	-6 967	-40 049	0	0	0.00	0.00
		P	0	230	0	37 335	0.00	28.22
		S	9 420	76 988	0	0	0.00	0.00
<b>Subtotal Purchased Imports: New Brunswick</b>			<b>91</b>	<b>6 604</b>	<b>14 922</b>	<b>343 981</b>	<b>163.98</b>	<b>42.66</b>
<b>Ontario</b>								
Cdn. Niagara		N	475	8 726	0	0	0.00	0.00
Cornwall Elec.		P	887	14 191	107 180	1 482 554	120.83	49.56
		S	1 730	109 361	0	0	0.00	0.00
D&W Subway		P	149	1 616	0	0	0.00	0.00
Ont. Hydro/OHIM		P	500	500	16 910	16 910	33.82	33.82

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>	
			NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
Ontario Hydro	-	N	117 852	1 023 408	0	0	0.00	0.00
		P	841 550	2 651 558	27 990 698	81 515 232	33.26	30.57
		S	36 035	248 019	32 511	219 212	0.90	0.87
<b>Subtotal Purchased Imports: Ontario</b>			<b>843 086</b>	<b>2 667 865</b>	<b>28 114 789</b>	<b>83 014 697</b>	<b>33.35</b>	<b>30.79</b>
<b>Quebec</b>								
Hydro-Quebec		N	933	25 946	0	0	0.00	0.00
		P	95 700	506 546	6 182 580	58 318 371	35.03	26.14
		S	0	238 198	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Quebec</b>			<b>95 700</b>	<b>506 546</b>	<b>6 182 580</b>	<b>58 318 371</b>	<b>35.03</b>	<b>26.14</b>
<b>Saskatchewan</b>								
Sask. Power		N	-4 319	-1 250	0	0	0.00	0.00
		P	30 205	149 574	580 043	3 072 691	19.20	20.43
		S	14 600	88 150	0	0	0.00	0.00
<b>Subtotal Purchased Imports: Saskatchewan</b>			<b>30 205</b>	<b>149 574</b>	<b>580 043</b>	<b>3 072 691</b>	<b>19.20</b>	<b>20.43</b>
<b>Total Purchased Imports:</b>			<b>1 070 971</b>	<b>6 809 930</b>	<b>37 418 280</b>	<b>186 492 600</b>	<b>32.09</b>	<b>19.83</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 3A

### Export Sales Summary Report by Destination and Source

Destination	Source	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>Alaska</b>	British Columbia	91	1 520	2 087	81 571	22.93	53.65
<b>Subtotal Exports: Alaska</b>		<b>91</b>	<b>1 520</b>	<b>2 087</b>	<b>81 571</b>	<b>22.93</b>	<b>53.65</b>
<b>Arizona</b>	British Columbia	0	163 200	0	3 646 687	0.00	22.34
<b>Subtotal Exports: Arizona</b>		<b>0</b>	<b>163 200</b>	<b>0</b>	<b>3 646 687</b>	<b>0.00</b>	<b>22.34</b>
<b>California</b>	British Columbia	273 869	1 470 247	8 531 500	38 055 728	31.15	25.90
<b>Subtotal Exports: California</b>		<b>273 869</b>	<b>1 470 247</b>	<b>8 531 500</b>	<b>38 055 728</b>	<b>31.15</b>	<b>25.90</b>
<b>Colorado</b>	British Columbia	525	43 021	16 521	999 842	31.47	23.24
<b>Subtotal Exports: Colorado</b>		<b>525</b>	<b>43 021</b>	<b>16 521</b>	<b>999 842</b>	<b>31.47</b>	<b>23.24</b>
<b>Idaho</b>	Alberta	0	80	0	1 340	0.00	16.76
	British Columbia	7 051	149 151	185 363	3 102 745	26.29	20.87
<b>Subtotal Exports: Idaho</b>		<b>7 051</b>	<b>149 231</b>	<b>185 363</b>	<b>3 104 086</b>	<b>26.29</b>	<b>20.87</b>
<b>Iowa</b>	Manitoba	1 662	144 556	31 065	1 638 572	18.69	11.34
<b>Subtotal Exports: Iowa</b>		<b>1 662</b>	<b>144 556</b>	<b>31 065</b>	<b>1 638 572</b>	<b>18.69</b>	<b>11.34</b>
<b>Kansas</b>	Manitoba	0	350	0	8 327	0.00	7.98
<b>Subtotal Exports: Kansas</b>		<b>0</b>	<b>350</b>	<b>0</b>	<b>8 327</b>	<b>0.00</b>	<b>7.98</b>
<b>Maine</b>	New Brunswick	99 467	1 633 689	5 189 889	74 639 052	49.45	43.65
<b>Subtotal Exports: Maine</b>		<b>99 467</b>	<b>1 633 689</b>	<b>5 189 889</b>	<b>74 639 052</b>	<b>49.45</b>	<b>43.65</b>
<b>Massachusetts</b>	Quebec	0	163 669	0	6 004 389	0.00	33.54
<b>Subtotal Exports: Massachusetts</b>		<b>0</b>	<b>163 669</b>	<b>0</b>	<b>6 004 389</b>	<b>0.00</b>	<b>33.54</b>

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 3A

### Export Sales Summary Report by Destination and Source

Destination	Source	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>Mexico</b>	British Columbia	0	53 430	0	1 728 412	0.00	32.35
<b>Subtotal Exports: Mexico</b>		<b>0</b>	<b>53 430</b>	<b>0</b>	<b>1 728 412</b>	<b>0.00</b>	<b>32.35</b>
<b>Michigan</b>	Ontario	3 309	3 384 139	130 374	95 423 273	39.41	23.19
<b>Subtotal Exports: Michigan</b>		<b>3 309</b>	<b>3 384 139</b>	<b>130 374</b>	<b>95 423 273</b>	<b>39.41</b>	<b>23.19</b>
<b>Minnesota</b>	Manitoba	761 549	9 033 337	23 360 323	250 437 255	21.53	19.79
	Ontario	1 083	198 328	134 783	6 366 905	62.65	29.59
<b>Subtotal Exports: Minnesota</b>		<b>762 632</b>	<b>9 231 665</b>	<b>23 495 106</b>	<b>256 804 160</b>	<b>21.59</b>	<b>20.01</b>
<b>Missouri</b>	Manitoba	0	440	0	9 119	0.00	20.73
<b>Subtotal Exports: Missouri</b>		<b>0</b>	<b>440</b>	<b>0</b>	<b>9 119</b>	<b>0.00</b>	<b>20.73</b>
<b>Montana</b>	British Columbia	1 925	9 422	52 852	241 336	27.46	25.61
	Manitoba	0	6	0	5 772	0.00	39.92
<b>Subtotal Exports: Montana</b>		<b>1 925</b>	<b>9 428</b>	<b>52 852</b>	<b>247 108</b>	<b>27.46</b>	<b>25.62</b>
<b>Nebraska</b>	Manitoba	17	547	680	20 539	40.01	37.55
<b>Subtotal Exports: Nebraska</b>		<b>17</b>	<b>547</b>	<b>680</b>	<b>20 539</b>	<b>40.01</b>	<b>37.55</b>
<b>New England</b>	New Brunswick	212 259	1 969 786	10 550 778	79 091 166	49.71	40.15
	Ontario	0	1 023 404	0	26 160 567	0.00	25.55
	Quebec	719 685	6 303 258	25 986 781	203 073 475	36.11	32.01
<b>Subtotal Exports: New England</b>		<b>931 944</b>	<b>9 296 448</b>	<b>36 537 559</b>	<b>308 325 208</b>	<b>39.21</b>	<b>32.86</b>
<b>New York</b>	Ontario	22 738	1 141 710	691 047	30 038 431	30.39	26.41
	Quebec	81 427	1 860 097	3 200 198	75 996 748	39.30	33.54
<b>Subtotal Exports: New York</b>		<b>104 165</b>	<b>3 001 808</b>	<b>3 891 245</b>	<b>106 035 179</b>	<b>37.36</b>	<b>31.01</b>

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



## TABLE 3A

### Export Sales Summary Report by Destination and Source

Destination	Source	Energy (MW.h)		Revenue (CAN\$) <sup>1</sup>		CAN\$/MW.h <sup>2</sup>	
		NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>North Dakota</b>	Manitoba	38 566	187 537	925 110	4 839 129	23.99	20.68
	Saskatchewan	3 239	75 916	118 183	1 804 479	36.49	24.31
<b>Subtotal Exports: North Dakota</b>		<b>41 805</b>	<b>263 453</b>	<b>1 043 294</b>	<b>6 643 608</b>	<b>24.96</b>	<b>21.71</b>
<b>Oregon</b>	Alberta	8 400	22 225	154 926	406 255	18.44	18.28
	British Columbia	110 844	660 118	3 047 312	15 489 701	27.49	24.06
	Manitoba	0	10 327	0	150 175	0.00	14.54
<b>Subtotal Exports: Oregon</b>		<b>119 244</b>	<b>692 670</b>	<b>3 202 237</b>	<b>16 046 131</b>	<b>26.85</b>	<b>23.75</b>
<b>Pennsylvania</b>	Ontario	30	113 787	676	2 637 526	22.55	23.14
<b>Subtotal Exports: Pennsylvania</b>		<b>30</b>	<b>113 787</b>	<b>676</b>	<b>2 637 526</b>	<b>22.55</b>	<b>23.14</b>
<b>South Dakota</b>	Manitoba	0	78 162	0	1 251 171	0.00	15.92
<b>Subtotal Exports: South Dakota</b>		<b>0</b>	<b>78 162</b>	<b>0</b>	<b>1 251 171</b>	<b>0.00</b>	<b>15.92</b>
<b>Texas</b>	Manitoba	77 429	430 347	1 567 663	6 222 478	20.25	14.44
<b>Subtotal Exports: Texas</b>		<b>77 429</b>	<b>430 347</b>	<b>1 567 663</b>	<b>6 222 478</b>	<b>20.25</b>	<b>14.44</b>
<b>Utah</b>	British Columbia	655	28 480	26 661	688 048	40.70	24.16
<b>Subtotal Exports: Utah</b>		<b>655</b>	<b>28 480</b>	<b>26 661</b>	<b>688 048</b>	<b>40.70</b>	<b>24.16</b>
<b>Vermont</b>	Ontario	0	18 225	0	476 963	0.00	25.26
	Quebec	203 850	2 173 407	17 151 389	182 050 877	35.15	33.72
<b>Subtotal Exports: Vermont</b>		<b>203 850</b>	<b>2 191 632</b>	<b>17 151 389</b>	<b>182 527 839</b>	<b>35.15</b>	<b>33.66</b>
<b>Washington</b>	Alberta	19 139	124 718	257 780	2 295 690	13.47	18.70
	British Columbia	1 006 653	5 928 895	25 410 392	122 429 676	25.24	20.93

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>	
		NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>Washington</b>	Saskatchewan	11 806	28 461	418 863	923 901	35.48	32.46
<b>Subtotal Exports: Washington</b>		<b>1 037 598</b>	<b>6 082 074</b>	<b>26 087 036</b>	<b>125 649 266</b>	<b>25.14</b>	<b>20.94</b>
<b>Wisconsin</b>	Manitoba	89 360	785 635	1 864 949	15 944 806	20.75	20.35
<b>Subtotal Exports: Wisconsin</b>		<b>89 360</b>	<b>785 635</b>	<b>1 864 949</b>	<b>15 944 806</b>	<b>20.75</b>	<b>20.35</b>
<b>Total Exports</b>		<b>3 756 627</b>	<b>39 413 629</b>	<b>129 008 145</b>	<b>1 254 382 124</b>	<b>29.74</b>	<b>26.49</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>	
		NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>Idaho</b>	British Columbia	0	100	0	739	0.00	7.39
<b>Subtotal Imports: Idaho</b>		<b>0</b>	<b>100</b>	<b>0</b>	<b>739</b>	<b>0.00</b>	<b>7.39</b>
<b>Maine</b>	New Brunswick	91	6 604	14 922	343 981	163.98	42.66
<b>Subtotal Imports: Maine</b>		<b>91</b>	<b>6 604</b>	<b>14 922</b>	<b>343 981</b>	<b>163.98</b>	<b>42.66</b>
<b>Michigan</b>	Ontario	446 056	1 601 523	15 271 254	48 741 862	34.24	30.43
<b>Subtotal Imports: Michigan</b>		<b>446 056</b>	<b>1 601 523</b>	<b>15 271 254</b>	<b>48 741 862</b>	<b>34.24</b>	<b>30.43</b>
<b>Minnesota</b>	Manitoba	0	8 500	0	123 625	0.00	14.54
	Ontario	24 752	106 006	550 960	2 354 042	22.26	21.85
<b>Subtotal Imports: Minnesota</b>		<b>24 752</b>	<b>114 506</b>	<b>550 960</b>	<b>2 477 667</b>	<b>22.26</b>	<b>21.33</b>
<b>Montana</b>	Alberta	230	2 725	9 631	117 881	41.89	44.34
	British Columbia	12	168	884	11 693	73.67	71.54
<b>Subtotal Imports: Montana</b>		<b>242</b>	<b>2 893</b>	<b>10 515</b>	<b>129 574</b>	<b>43.46</b>	<b>45.70</b>
<b>Nebraska</b>	Manitoba	0	0	10 668	41 712	0.00	0.00
<b>Subtotal Imports: Nebraska</b>		<b>0</b>	<b>0</b>	<b>10 668</b>	<b>41 712</b>	<b>0.00</b>	<b>0.00</b>
<b>New England</b>	Quebec	0	185	0	4 418	0.00	23.28
<b>Subtotal Imports: New England</b>		<b>0</b>	<b>185</b>	<b>0</b>	<b>4 418</b>	<b>0.00</b>	<b>23.28</b>
<b>New York</b>	Ontario	371 778	959 836	12 275 664	31 901 883	33.02	32.33
	Quebec	95 700	386 713	3 352 393	9 112 974	35.03	23.17
<b>Subtotal Imports: New York</b>		<b>467 478</b>	<b>1 346 549</b>	<b>15 628 057</b>	<b>41 014 857</b>	<b>33.43</b>	<b>29.65</b>
<b>North Dakota</b>	Manitoba	0	325	0	5 476	0.00	16.85

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>	
		NOV97	JAN97 - NOV97	NOV97	JAN97 - NOV97	NOV97	L12M
<b>North Dakota</b>	Saskatchewan	29 585	145 048	560 297	2 921 050	18.94	20.04
<b>Subtotal Imports: North Dakota</b>		<b>29 585</b>	<b>145 373</b>	<b>560 297</b>	<b>2 926 526</b>	<b>18.94</b>	<b>20.03</b>
<b>Pennsylvania</b>	Ontario	500	500	16 910	16 910	33.82	33.82
<b>Subtotal Imports: Pennsylvania</b>		<b>500</b>	<b>500</b>	<b>16 910</b>	<b>16 910</b>	<b>33.82</b>	<b>33.82</b>
<b>South Dakota</b>	Manitoba	0	325	0	5 284	0.00	16.26
<b>Subtotal Imports: South Dakota</b>		<b>0</b>	<b>325</b>	<b>0</b>	<b>5 284</b>	<b>0.00</b>	<b>16.26</b>
<b>Texas</b>	Manitoba	0	0	0	8 175	0.00	0.00
<b>Subtotal Imports: Texas</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>8 175</b>	<b>0.00</b>	<b>0.00</b>
<b>Vermont</b>	Quebec	0	119 648	2 830 187	49 200 979	0.00	35.47
<b>Subtotal Imports: Vermont</b>		<b>0</b>	<b>119 648</b>	<b>2 830 187</b>	<b>49 200 979</b>	<b>0.00</b>	<b>35.47</b>
<b>Washington</b>	Alberta	412	50 546	9 284	971 184	22.53	19.26
	British Columbia	101 235	3 416 652	2 495 479	40 457 091	22.61	11.04
	Saskatchewan	620	4 526	19 746	151 641	31.85	33.50
<b>Subtotal Imports: Washington</b>		<b>102 267</b>	<b>3 471 724</b>	<b>2 524 509</b>	<b>41 579 916</b>	<b>22.67</b>	<b>11.18</b>
<b>Total Imports</b>		<b>1 070 971</b>	<b>6 809 930</b>	<b>37 418 280</b>	<b>186 492 600</b>	<b>32.09</b>	<b>19.83</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	NOV97		
	Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Hydraulic	3 175 718	91 110 487	28.69
Imported Coal	13 917	629 368	45.22
Imported Oil	94 312	4 700 107	49.84
Nuclear	64	3 295	51.41
Other	297 300	11 961 810	40.23
<b>Total</b>	<b>3 581 311</b>	<b>108 405 067</b>	<b>30.27</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	NOV97		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
BC Hydro/Powerx	Hydraulic	Permit 43	1 184 704	33 402 108	28.19
		<b>Subtotal</b>	<b>1 184 704</b>	<b>33 402 108</b>	<b>28.19</b>
	Other	Permit 43	98 645	2 781 244	28.19
		<b>Subtotal</b>	<b>98 645</b>	<b>2 781 244</b>	<b>28.19</b>
	<b>Subtotal</b>		<b>1 283 349</b>	<b>36 183 352</b>	<b>28.19</b>
Cominco	Hydraulic	Permit 57	29 473	859 354	29.16
		<b>Subtotal</b>	<b>29 473</b>	<b>859 354</b>	<b>29.16</b>
	<b>Subtotal</b>		<b>29 473</b>	<b>859 354</b>	<b>29.16</b>
Hydro-Quebec	Hydraulic	Licence 176	401 304	13 338 729	33.24
		Licence 180	91 894	3 362 195	36.59
		Licence 181	27 984	1 023 872	36.59
		Licence 182	13 434	491 520	36.59
		Licence 183	24 096	881 618	36.59
		Licence 184	13 248	484 714	36.59
		Permit 64	220 020	8 128 805	36.95
		Permit 65	212 982	8 641 706	40.58
	<b>Subtotal</b>	<b>1 004 962</b>	<b>36 353 158</b>	<b>36.17</b>	
	<b>Subtotal</b>		<b>1 004 962</b>	<b>36 353 158</b>	<b>36.17</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	NOV97			
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>	
Manitoba Hydro	Hydraulic	Licence 170	263 719	5 925 761	22.47	
		Permit 45	136 147	2 870 731	21.09	
		Permit 46	543 436	11 431 715	21.04	
		Permit 68	13 065	265 264	20.30	
		<b>Subtotal</b>	<b>956 367</b>	<b>20 493 471</b>	<b>21.43</b>	
	Other	Licence 170	11 807	265 303	22.47	
		<b>Subtotal</b>	<b>11 807</b>	<b>265 303</b>	<b>22.47</b>	
		<b>Subtotal</b>		<b>968 174</b>	<b>20 758 774</b>	<b>21.44</b>
	NB Power	Imported Coal	Permit 15	3 217	139 879	43.48
			Permit 16	882	39 137	44.38
Permit 18			117	6 191	52.83	
Permit 47			1 511	77 655	51.41	
Permit 91			6 111	272 515	44.60	
<b>Subtotal</b>			<b>11 838</b>	<b>535 377</b>	<b>45.23</b>	
Imported Oil		Permit 15	11 308	491 619	43.48	
		Permit 16	7 614	337 908	44.38	
		Permit 18	3 615	184 168	50.95	
		Permit 47	3 153	162 111	51.41	
		Permit 91	68 159	3 501 515	51.37	
		<b>Subtotal</b>	<b>93 848</b>	<b>4 677 321</b>	<b>49.84</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	NOV97		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
NB Power	Nuclear	Permit 47	64	3 295	51.41
		<b>Subtotal</b>	<b>64</b>	<b>3 295</b>	<b>51.41</b>
	Other	Permit 15	13 175	572 779	43.48
		Permit 16	18 295	811 969	44.38
		Permit 18	3 509	179 538	51.17
		Permit 47	2 584	132 849	51.41
		Permit 91	137 990	6 776 748	49.11
		<b>Subtotal</b>	<b>175 552</b>	<b>8 473 883</b>	<b>48.27</b>
	<b>Subtotal</b>		<b>281 302</b>	<b>13 689 877</b>	<b>48.67</b>
	Ont. Hydro/OHIM	Hydraulic	Permit 21	212	2 396
<b>Subtotal</b>			<b>212</b>	<b>2 396</b>	<b>11.30</b>
Imported Coal		Permit 21	2 079	93 991	45.21
		<b>Subtotal</b>	<b>2 079</b>	<b>93 991</b>	<b>45.21</b>
Imported Oil		Permit 21	464	22 786	49.11
		<b>Subtotal</b>	<b>464</b>	<b>22 786</b>	<b>49.11</b>
Other		Permit 21	5 396	216 331	40.09
		<b>Subtotal</b>	<b>5 396</b>	<b>216 331</b>	<b>40.09</b>
<b>Subtotal</b>			<b>8 151</b>	<b>335 503</b>	<b>41.16</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.



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

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Exporter	Fuel Type	Authorization	NOV97		
			Energy (MW.h)	Revenue (CAN\$) <sup>2</sup>	CAN\$/MW.h <sup>2</sup>
Powerex	Other	Permit 95	5 900	225 049	38.14
		<b>Subtotal</b>	<b>5 900</b>	<b>225 049</b>	<b>38.14</b>
	<b>Subtotal</b>		<b>5 900</b>	<b>225 049</b>	<b>38.14</b>
<b>Total All Exporters</b>			<b>3 581 311</b>	<b>108 405 067</b>	<b>30.27</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.