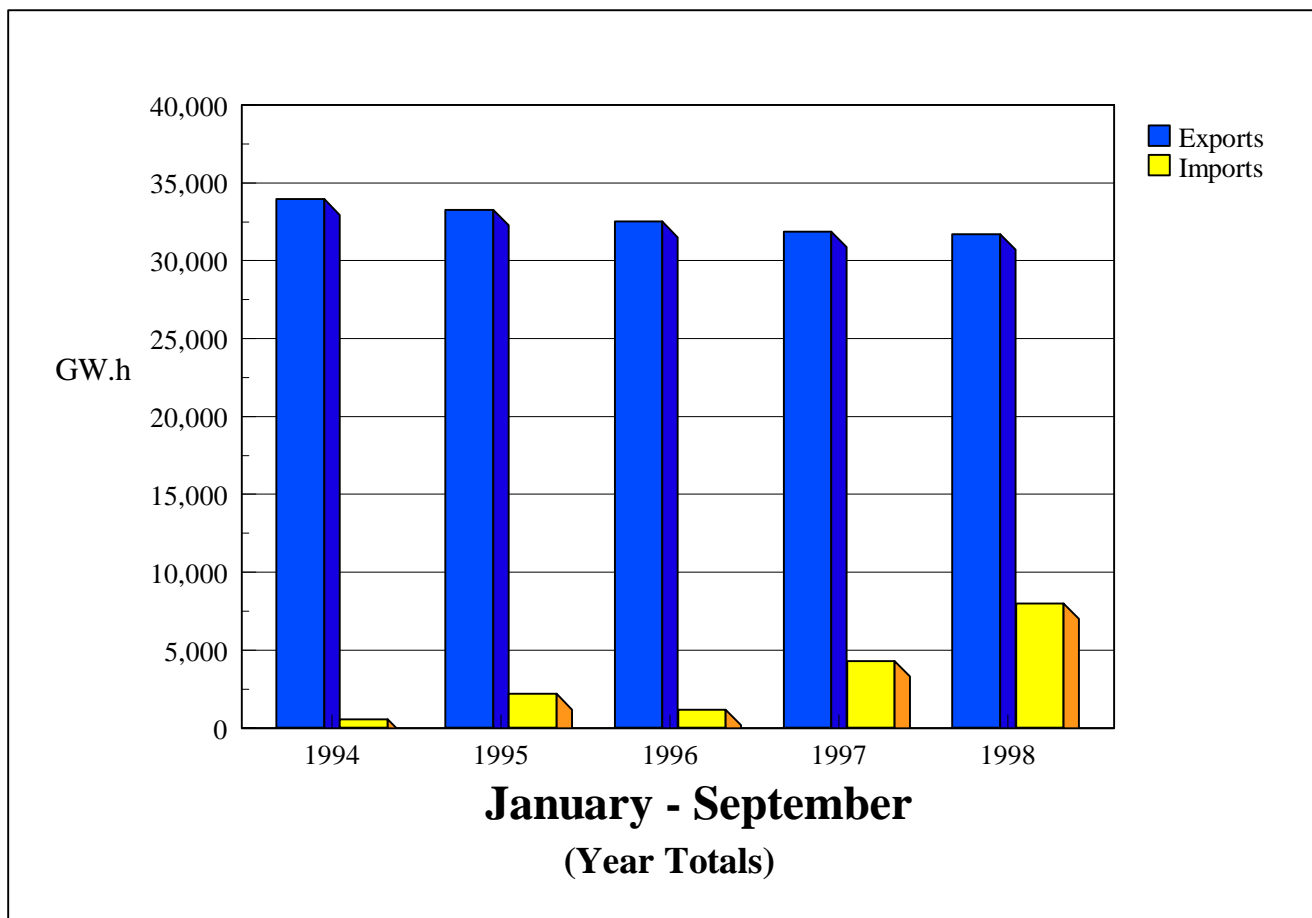




Electricity Exports and Imports

Monthly Statistics for: September 1998

Exports: **3850** GW.h
Imports: **984** GW.h





National Energy Board
Office national de l'énergie

TABLE 1

Exports and Imports of Electricity

Summary: Canada

SEPTEMBER 1998

Page 1
98/10/30

| Exchange Type | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|---|------------------|-------------------|------------------------------|----------------------|-------------------------|--------------|
| | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Exports of Electric Energy | | | | | | |
| Firm | 1 809 502 | 15 786 586 | 80 826 662 | 687 638 553 | 33.18 | 31.17 |
| Interruptible | 2 040 939 | 15 913 820 | 84 548 329 | 592 299 219 | 39.97 | 33.78 |
| Non-Revenue/Inadvertant | 39 423 | 1 931 930 | 0 | 0 | 0.00 | 0.00 |
| Service | 67 607 | 777 966 | 0 | 421 | 0.00 | 0.00 |
| Total Exports | 3 957 472 | 34 410 302 | 165 374 991 | 1 279 938 193 | 35.79 | 30.18 |
| Total Sales - Firm and Interruptible | 3 850 441 | 31 700 406 | 165 374 991 | 1 279 937 772 | 36.78 | 32.54 |
| Imports of Electric Energy | | | | | | |
| Non-Revenue/Inadvertant | 35 465 | 1 821 855 | 0 | 0 | 0.00 | 0.00 |
| Purchase | 984 375 | 7 992 910 | 36 659 079 | 188 338 629 | 33.39 | 23.02 |
| Service | 306 951 | 1 000 372 | 83 322 | 288 274 | 0.27 | 0.35 |
| Total Imports | 1 326 791 | 10 815 137 | 36 742 401 | 188 626 903 | 24.83 | 17.59 |
| Excess of Exports Over Imports | 2 630 680 | 23 595 165 | 128 632 590 | 1 091 311 290 | | |
| Number of Export Licences: | 17 | | | | | |
| Number of Export Permits/Orders: | 86 | | | | | |
| | 103 | | | | | |

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



National Energy Board
Office national de l'énergie

TABLE 2A

Export Summary Report

by Source, Authorization and Exchange Type

Page 1
98/10/30

| Source | Authorization | Exchange Type | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|--|---------------|---------------|------------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Alberta | | | | | | | | |
| Enron Canada | Permit 98 | I | 0 | 887 | 0 | 15 504 | 0.00 | 17.48 |
| TransAlta Ener. | Permit 73 | I | 0 | 150 | 0 | 2 349 | 0.00 | 15.66 |
| | Permit 74 | F | 1 600 | 53 426 | 51 408 | 1 061 505 | 32.13 | 16.96 |
| Subtotal Firm and Interruptible Exports: Alberta | | | 1 600 | 54 463 | 51 408 | 1 079 357 | 32.13 | 16.96 |
| British Columbia | | | | | | | | |
| BC Hydro | Permit 105 | F | 87 | 727 | 2 210 | 36 699 | 25.51 | 54.83 |
| | Treaty | N | 17 760 | 253 475 | 0 | 0 | 0.00 | 0.00 |
| BC Hydro/Powerx | Permit 43 | I | 1 042 517 | 5 489 294 | 53 220 995 | 224 550 228 | 51.05 | 35.78 |
| | Permit 44 | F | 28 855 | 179 632 | 821 189 | 4 757 470 | 28.46 | 27.10 |
| Cominco | Permit 57 | I | 11 430 | 154 169 | 702 272 | 5 062 167 | 61.44 | 30.25 |
| Powerex | Permit 71 | F | 8 791 | 17 040 | 366 476 | 720 791 | 41.69 | 41.07 |
| | Permit 92 | F | 82 800 | 506 125 | 0 | 0 | 0.00 | 0.00 |
| | Permit 95 | F | 13 720 | 45 795 | 496 151 | 1 835 033 | 36.16 | 39.66 |
| West Kootenay | Permit 13 | F | 0 | 20 | 0 | 1 262 | 0.00 | 61.90 |
| Subtotal Firm and Interruptible Exports: British Columbia | | | 1 188 200 | 6 392 802 | 55 609 293 | 236 963 650 | 46.80 | 32.89 |

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.



TABLE 2A

Export Summary Report

by Source, Authorization and Exchange Type

| Source | Authorization | Exchange Type | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|--|---------------|---------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Manitoba | | | | | | | | |
| Manitoba Hydro | Licence 170 | F | 266 516 | 2 494 766 | 13 751 326 | 120 482 629 | 27.34 | 23.99 |
| | Permit 33 | F | 33 600 | 139 193 | 706 504 | 2 909 572 | 21.03 | 20.95 |
| | Permit 34 | F | 16 800 | 124 300 | 370 427 | 2 729 553 | 22.05 | 21.78 |
| | Permit 35 | F | 33 120 | 96 710 | 877 842 | 2 589 067 | 26.50 | 24.87 |
| | Permit 45 | F | 189 148 | 1 575 847 | 6 264 611 | 45 085 251 | 28.22 | 24.75 |
| | Permit 46 | I | 296 140 | 4 332 427 | 8 994 288 | 102 735 519 | 30.68 | 22.88 |
| | | N | - 189 628 | - 377 031 | 0 | 0 | 0.00 | 0.00 |
| | Permit 52 | F | 6 005 | 22 314 | 328 505 | 1 264 987 | 26.25 | 24.65 |
| | Permit 61 | F | 240 | 3 197 | 13 301 | 148 360 | 55.33 | 46.06 |
| | Permit 68 | F | 11 259 | 87 995 | 581 449 | 4 509 513 | 25.89 | 22.46 |
| Subtotal Firm and Interruptible Exports: Manitoba | | | 852 828 | 8 876 749 | 31 888 252 | 282 454 451 | 28.29 | 23.50 |
| New Brunswick | | | | | | | | |
| Fraser Inc. | Permit 102 | F | 27 570 | 236 040 | 1 777 248 | 15 582 075 | 64.46 | 66.10 |
| Maine & NB | Licence 177 | F | 1 408 | 80 442 | 108 083 | 2 084 246 | 16.40 | 16.40 |
| NB Power | Permit 15 | I | 0 | 1 533 | 0 | 144 451 | 0.00 | 43.89 |
| | | N | -1 824 | 179 | 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\$) ¹ | | CAN\$/MW.h ² | |
|-----------------|---|---------------|---------------|----------------|------------------------------|-------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| NB Power | Permit 16 | I | 7 764 | 39 463 | 440 540 | 2 289 400 | 56.74 | 49.34 |
| | | N | -6 537 | -57 354 | 0 | 0 | 0.00 | 0.00 |
| | Permit 17 | S | 2 524 | 39 200 | 0 | 0 | 0.00 | 0.00 |
| | | Permit 18 | I | 3 600 | 26 617 | 176 078 | 1 293 434 | 48.91 |
| | N | | 68 | 36 | 0 | 0 | 0.00 | 0.00 |
| | Permit 28 | F | 3 | 23 | 352 | 2 804 | 105.69 | 119.03 |
| | Permit 47 | F | 6 409 | 61 432 | 487 743 | 4 656 627 | 51.41 | 51.41 |
| | Permit 91 | I | 360 708 | 3 080 905 | 13 475 438 | 122 698 067 | 36.09 | 40.28 |
| | Subtotal Firm and Interruptible Exports: New Brunswick | | | 407 462 | 3 526 454 | 16 465 481 | 148 751 104 | 38.69 |
| Ontario | | | | | | | | |
| Cdn. Niagara | Permit 84 | F | 23 670 | 203 176 | 644 757 | 5 469 870 | 27.24 | 26.83 |
| | | S | 5 048 | 80 532 | 0 | 0 | 0.00 | 0.00 |
| Cornwall Elec. | Permit 82 | I | 1 993 | 8 774 | 45 257 | 187 525 | 22.71 | 22.79 |
| | | S | 27 463 | 178 957 | 0 | 0 | 0.00 | 0.00 |
| D&W Subway | Permit 26 | F | 140 | 1 311 | 0 | 0 | 0.00 | 0.00 |
| Ont. Hydro/OHIM | Permit 21 | I | 290 960 | 2 115 188 | 6 386 834 | 106 376 455 | 13.08 | 40.69 |
| | | S | 14 972 | 64 741 | 0 | 421 | 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\$) ¹ | | CAN\$/MW.h ² | |
|---|---------------|---------------|------------------|-------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Ontario Hydro | Permit 22 | N | 222 477 | 2 096 851 | 0 | 0 | 0.00 | 0.00 |
| | Permit 24 | F | 12 | 136 | 24 | 272 | 2.00 | 2.00 |
| Subtotal Firm and Interruptible Exports: Ontario | | | 316 774 | 2 328 585 | 7 076 871 | 112 034 122 | 14.19 | 39.19 |
| Quebec | | | | | | | | |
| Hydro-Quebec | Licence 176 | F | 617 130 | 4 548 007 | 22 081 514 | 154 079 210 | 35.78 | 33.70 |
| | Licence 178 | F | 265 690 | 1 811 720 | 13 252 584 | 75 748 824 | 43.19 | 35.84 |
| | Licence 180 | F | 85 930 | 703 811 | 8 986 774 | 75 034 930 | 39.39 | 37.16 |
| | Licence 181 | F | 26 816 | 257 736 | 2 698 923 | 37 649 932 | 39.39 | 35.99 |
| | Licence 182 | F | 14 142 | 122 420 | 1 363 437 | 11 634 832 | 39.39 | 37.54 |
| | Licence 183 | F | 21 504 | 168 666 | 2 348 689 | 19 430 515 | 39.39 | 37.50 |
| | Licence 184 | F | 8 640 | 93 124 | 1 138 898 | 10 464 201 | 39.39 | 37.53 |
| | Permit 20 | F | 0 | 898 | 0 | 62 884 | 0.00 | 70.98 |
| | Permit 64 | I | 19 638 | 601 958 | 833 418 | 24 528 743 | 41.63 | 38.58 |
| | | N | 5 495 | 31 682 | 0 | 0 | 0.00 | 0.00 |
| | | S | 7 350 | 344 336 | 0 | 0 | 0.00 | 0.00 |
| | Permit 65 | F | 6 930 | 2 020 280 | 801 582 | 82 420 958 | 35.78 | 38.80 |
| | | S | 0 | 3 950 | 0 | 0 | 0.00 | 0.00 |
| Maclaren Ind. | Permit 111 | I | 0 | 3 205 | 0 | 156 862 | 0.00 | 48.94 |
| Subtotal Firm and Interruptible Exports: Quebec | | | 1 066 420 | 10 331 825 | 53 505 818 | 491 211 890 | 38.26 | 35.85 |

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\$) ¹ | | CAN\$/MW.h ² | |
|--|---------------|---------------|------------------|-------------------|------------------------------|----------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Saskatchewan | | | | | | | | |
| Sask. Power | Licence 118 | S | 10 250 | 66 250 | 0 | 0 | 0.00 | 0.00 |
| | Licence 119 | I | 6 189 | 59 250 | 273 209 | 2 258 517 | 44.14 | 37.60 |
| | | N | -8 388 | -15 908 | 0 | 0 | 0.00 | 0.00 |
| | Permit 89 | F | 10 968 | 130 277 | 504 658 | 5 184 681 | 46.01 | 39.14 |
| Subtotal Firm and Interruptible Exports: Saskatchewan | | | 17 157 | 189 527 | 777 867 | 7 443 197 | 45.34 | 38.66 |
| Total Firm and Interruptible Exports: | | | 3 850 441 | 31 700 406 | 165 374 991 | 1 279 937 772 | 36.78 | 32.54 |

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\$) ¹ | | CAN\$/MW.h ² | |
|---|---------------|---------------|----------------|------------------|------------------------------|-------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Alberta | | | | | | | | |
| Enron Canada | - | P | 0 | 23 021 | 0 | 563 161 | 0.00 | 24.46 |
| TransAlta | | P | 243 | 2 186 | 9 485 | 87 541 | 38.98 | 40.19 |
| TransAlta Ener. | | P | 16 531 | 142 902 | 632 931 | 3 266 169 | 38.29 | 22.86 |
| TransCanada | | P | 0 | 2 202 | 0 | 55 595 | 0.00 | 26.03 |
| Subtotal Purchased Imports: Alberta | | | 16 774 | 170 311 | 642 416 | 3 972 466 | 38.30 | 23.42 |
| British Columbia | | | | | | | | |
| BC Hydro | | P | 39 | 233 | 2 693 | 15 772 | 69.05 | 68.68 |
| BC Hydro/Powerx | | P | 370 615 | 3 420 543 | 12 862 756 | 68 064 514 | 34.71 | 20.01 |
| West Kootenay | | P | 0 | 83 942 | 0 | 2 570 010 | 0.00 | 24.42 |
| Subtotal Purchased Imports: British Columbia | | | 370 654 | 3 504 718 | 12 865 449 | 70 650 296 | 34.71 | 20.19 |

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\$) ¹ | | CAN\$/MW.h ² | |
|--|---------------|---------------|----------------|----------------|------------------------------|------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Manitoba | | | | | | | | |
| Manitoba Hydro | - | N | - 188 927 | - 364 951 | 0 | 0 | 0.00 | 0.00 |
| | | P | 199 209 | 323 596 | 4 779 467 | 8 261 837 | 23.96 | 24.50 |
| Subtotal Purchased Imports: Manitoba | | | 199 209 | 323 596 | 4 779 467 | 8 261 837 | 23.96 | 24.50 |
| New Brunswick | | | | | | | | |
| Maine & NB | | P | 0 | 4 357 | 0 | 187 709 | 0.00 | 44.75 |
| NB Power | | N | 7 155 | 58 848 | 0 | 0 | 0.00 | 0.00 |
| | | P | 0 | 3 682 | 0 | 49 785 | 0.00 | 13.52 |
| | | S | 2 524 | 39 200 | 0 | 0 | 0.00 | 0.00 |
| Subtotal Purchased Imports: New Brunswick | | | 0 | 8 039 | 0 | 237 494 | 0.00 | 32.93 |
| Ontario | | | | | | | | |
| Cdn. Niagara | | N | 707 | 6 103 | 0 | 0 | 0.00 | 0.00 |
| Cornwall Elec. | | P | 646 | 6 688 | 35 510 | 840 745 | 54.97 | 133.13 |
| | | S | 27 463 | 178 957 | 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\$) ¹ | | CAN\$/MW.h ² | |
|---|---------------|---------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| D&W Subway | - | P | 125 | 1 179 | 0 | 0 | 0.00 | 0.00 |
| Ont. Hydro/OHIM | | P | 12 242 | 12 242 | 395 290 | 395 290 | 32.29 | 32.35 |
| Ontario Hydro | | N | 223 475 | 2 093 966 | 0 | 0 | 0.00 | 0.00 |
| | | P | 270 842 | 3 030 316 | 10 362 956 | 46 438 543 | 38.26 | 22.58 |
| | | S | 90 552 | 303 223 | 83 322 | 288 274 | 0.92 | 0.94 |
| Subtotal Purchased Imports: Ontario | | | 283 855 | 3 050 425 | 10 793 756 | 47 674 579 | 38.03 | 22.80 |
| Quebec | | | | | | | | |
| Hydro-Quebec | | N | 664 | 64 247 | 0 | 0 | 0.00 | 0.00 |
| | | P | 65 592 | 707 660 | 6 168 501 | 51 140 002 | 36.28 | 33.80 |
| | | S | 186 412 | 438 992 | 0 | 0 | 0.00 | 0.00 |
| Subtotal Purchased Imports: Quebec | | | 65 592 | 707 660 | 6 168 501 | 51 140 002 | 36.28 | 33.80 |
| Saskatchewan | | | | | | | | |
| Sask. Power | | N | -7 609 | -36 358 | 0 | 0 | 0.00 | 0.00 |
| | | P | 48 291 | 228 161 | 1 409 489 | 6 401 955 | 29.19 | 25.62 |
| | | S | 0 | 40 000 | 0 | 0 | 0.00 | 0.00 |
| Subtotal Purchased Imports: Saskatchewan | | | 48 291 | 228 161 | 1 409 489 | 6 401 955 | 29.19 | 25.62 |
| Total Purchased Imports: | | | 984 375 | 7 992 910 | 36 659 079 | 188 338 629 | 33.39 | 23.02 |

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
Office national de l'énergie

TABLE 3A

Export Sales Summary Report by Destination and Source

Page 1
98/10/30

| Destination | Source | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|-------------------------------------|------------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Alaska | British Columbia | 87 | 727 | 2 210 | 36 699 | 25.51 | 54.83 |
| Subtotal Exports: Alaska | | 87 | 727 | 2 210 | 36 699 | 25.51 | 54.83 |
| Arizona | British Columbia | 0 | 4 000 | 0 | 117 972 | 0.00 | 29.49 |
| Subtotal Exports: Arizona | | 0 | 4 000 | 0 | 117 972 | 0.00 | 29.49 |
| California | British Columbia | 283 103 | 1 061 562 | 19 343 196 | 63 755 125 | 68.33 | 48.59 |
| Subtotal Exports: California | | 283 103 | 1 061 562 | 19 343 196 | 63 755 125 | 68.33 | 48.59 |
| Idaho | British Columbia | 17 254 | 128 825 | 941 467 | 5 523 159 | 54.57 | 38.31 |
| Subtotal Exports: Idaho | | 17 254 | 128 825 | 941 467 | 5 523 159 | 54.57 | 38.31 |
| Iowa | Manitoba | 514 | 106 005 | 29 633 | 2 014 070 | 57.65 | 18.13 |
| Subtotal Exports: Iowa | | 514 | 106 005 | 29 633 | 2 014 070 | 57.65 | 18.13 |
| Kansas | Manitoba | 1 350 | 3 525 | 69 581 | 104 524 | 51.54 | 29.65 |
| Subtotal Exports: Kansas | | 1 350 | 3 525 | 69 581 | 104 524 | 51.54 | 29.65 |
| Maine | New Brunswick | 407 462 | 3 526 454 | 16 465 481 | 148 751 104 | 38.69 | 42.33 |
| Subtotal Exports: Maine | | 407 462 | 3 526 454 | 16 465 481 | 148 751 104 | 38.69 | 42.33 |
| Michigan | Ontario | 282 998 | 1 986 278 | 5 897 611 | 97 192 005 | 12.45 | 40.09 |
| Subtotal Exports: Michigan | | 282 998 | 1 986 278 | 5 897 611 | 97 192 005 | 12.45 | 40.09 |
| Minnesota | Manitoba | 701 738 | 7 255 795 | 26 480 469 | 238 571 081 | 28.29 | 23.65 |
| | Ontario | 4 220 | 47 817 | 349 539 | 4 255 974 | 33.65 | 68.30 |
| | Saskatchewan | 3 956 | 7 094 | 178 597 | 266 233 | 45.15 | 37.53 |
| Subtotal Exports: Minnesota | | 709 914 | 7 310 706 | 27 008 605 | 243 093 287 | 28.42 | 23.88 |

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



National Energy Board
Office national de l'énergie

TABLE 3A

Export Sales Summary Report by Destination and Source

Page 2
98/10/30

| Destination | Source | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|---------------------------------------|------------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Missouri | Manitoba | 145 | 496 | 7 874 | 17 914 | 54.30 | 26.39 |
| Subtotal Exports: Missouri | | 145 | 496 | 7 874 | 17 914 | 54.30 | 26.39 |
| Montana | British Columbia | 4 131 | 23 911 | 310 982 | 1 226 383 | 75.28 | 46.27 |
| | Manitoba | 59 | 409 | 3 204 | 18 148 | 54.31 | 44.37 |
| Subtotal Exports: Montana | | 4 190 | 24 320 | 314 187 | 1 244 532 | 74.98 | 46.25 |
| Nebraska | Manitoba | 3 097 | 27 073 | 159 640 | 721 607 | 51.55 | 26.69 |
| Subtotal Exports: Nebraska | | 3 097 | 27 073 | 159 640 | 721 607 | 51.55 | 26.69 |
| New England | Ontario | 400 | 35 469 | 9 748 | 825 152 | 24.37 | 23.26 |
| | Quebec | 617 130 | 6 727 899 | 22 081 514 | 236 288 002 | 35.78 | 35.23 |
| Subtotal Exports: New England | | 617 530 | 6 763 368 | 22 091 261 | 237 113 154 | 35.77 | 35.18 |
| New York | Ontario | 29 047 | 249 815 | 815 592 | 9 140 521 | 28.08 | 29.33 |
| | Quebec | 278 965 | 2 027 190 | 13 964 910 | 86 957 555 | 43.68 | 37.41 |
| Subtotal Exports: New York | | 308 012 | 2 277 005 | 14 780 502 | 96 098 076 | 42.21 | 36.53 |
| North Dakota | Manitoba | 17 639 | 121 429 | 948 097 | 5 568 964 | 32.12 | 29.14 |
| | Saskatchewan | 6 267 | 79 461 | 276 879 | 3 742 085 | 44.18 | 45.75 |
| Subtotal Exports: North Dakota | | 23 906 | 200 890 | 1 224 976 | 9 311 048 | 35.28 | 34.24 |
| Oregon | Alberta | 0 | 712 | 0 | 17 194 | 0.00 | 18.69 |
| | British Columbia | 65 392 | 447 381 | 2 175 937 | 12 977 682 | 33.28 | 28.12 |
| Subtotal Exports: Oregon | | 65 392 | 448 093 | 2 175 937 | 12 994 875 | 33.28 | 27.93 |
| Pennsylvania | Ontario | 110 | 9 206 | 4 382 | 620 471 | 39.84 | 66.95 |
| Subtotal Exports: Pennsylvania | | 110 | 9 206 | 4 382 | 620 471 | 39.84 | 66.95 |

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



National Energy Board
Office national de l'énergie

TABLE 3A

Export Sales Summary Report by Destination and Source

Page 3
98/10/30

| Destination | Source | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|---------------------------------------|------------------|------------------|-------------------|------------------------------|----------------------|-------------------------|--------------|
| | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| South Dakota | Manitoba | 0 | 22 369 | 0 | 478 934 | 0.00 | 21.37 |
| Subtotal Exports: South Dakota | | 0 | 22 369 | 0 | 478 934 | 0.00 | 21.37 |
| Texas | Manitoba | 80 070 | 665 468 | 2 845 290 | 19 591 704 | 25.95 | 22.50 |
| Subtotal Exports: Texas | | 80 070 | 665 468 | 2 845 290 | 19 591 704 | 25.95 | 22.50 |
| Vermont | Quebec | 170 325 | 1 576 736 | 17 459 394 | 167 966 333 | 38.39 | 36.63 |
| Subtotal Exports: Vermont | | 170 325 | 1 576 736 | 17 459 394 | 167 966 333 | 38.39 | 36.63 |
| Washington | Alberta | 1 600 | 53 751 | 51 408 | 1 062 164 | 32.13 | 16.78 |
| | British Columbia | 818 233 | 4 726 396 | 32 835 501 | 153 326 630 | 40.13 | 29.68 |
| | Saskatchewan | 6 934 | 102 972 | 322 391 | 3 434 880 | 46.49 | 33.56 |
| Subtotal Exports: Washington | | 826 767 | 4 883 119 | 33 209 300 | 157 823 674 | 40.17 | 29.51 |
| Wisconsin | Manitoba | 48 216 | 674 180 | 1 344 465 | 15 367 503 | 28.27 | 22.35 |
| Subtotal Exports: Wisconsin | | 48 216 | 674 180 | 1 344 465 | 15 367 503 | 28.27 | 22.35 |
| Total Exports | | 3 850 441 | 31 700 406 | 165 374 991 | 1 279 937 772 | 36.78 | 32.54 |

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



National Energy Board
Office national de l'énergie

TABLE 3B

Import Purchases Summary Report by Source and Destination

Page 4
98/10/30

| Source | Destination | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|--------------------------------------|------------------|----------------|------------------|------------------------------|-------------------|-------------------------|---------------|
| | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Idaho | Alberta | 0 | 50 | 0 | 4 697 | 0.00 | 93.95 |
| Subtotal Imports: Idaho | | 0 | 50 | 0 | 4 697 | 0.00 | 93.95 |
| Iowa | Manitoba | 4 530 | 7 714 | 156 008 | 344 968 | 34.44 | 44.72 |
| Subtotal Imports: Iowa | | 4 530 | 7 714 | 156 008 | 344 968 | 34.44 | 44.72 |
| Maine | New Brunswick | 0 | 8 039 | 0 | 237 494 | 0.00 | 32.93 |
| Subtotal Imports: Maine | | 0 | 8 039 | 0 | 237 494 | 0.00 | 32.93 |
| Michigan | Ontario | 134 744 | 2 501 535 | 4 677 147 | 30 309 444 | 34.71 | 20.58 |
| Subtotal Imports: Michigan | | 134 744 | 2 501 535 | 4 677 147 | 30 309 444 | 34.71 | 20.58 |
| Minnesota | Manitoba | 169 353 | 266 146 | 3 894 846 | 6 478 874 | 23.00 | 24.00 |
| | Ontario | 3 725 | 49 205 | 97 814 | 1 399 017 | 26.26 | 24.82 |
| | Saskatchewan | 0 | 200 | 0 | 11 742 | 0.00 | 58.71 |
| Subtotal Imports: Minnesota | | 173 078 | 315 551 | 3 992 660 | 7 889 633 | 23.07 | 24.28 |
| Missouri | Manitoba | 0 | 14 | 0 | 1 768 | 0.00 | 126.29 |
| Subtotal Imports: Missouri | | 0 | 14 | 0 | 1 768 | 0.00 | 126.29 |
| Montana | Alberta | 243 | 3 098 | 9 485 | 128 342 | 38.98 | 41.27 |
| | British Columbia | 39 | 233 | 2 693 | 15 772 | 69.05 | 68.68 |
| Subtotal Imports: Montana | | 282 | 3 331 | 12 178 | 144 114 | 43.13 | 43.06 |
| Nebraska | Manitoba | 3 456 | 4 105 | 82 570 | 227 061 | 22.13 | 36.84 |
| Subtotal Imports: Nebraska | | 3 456 | 4 105 | 82 570 | 227 061 | 22.13 | 36.84 |
| New England | Quebec | 0 | 11 331 | 0 | 1 351 091 | 0.00 | 117.71 |
| Subtotal Imports: New England | | 0 | 11 331 | 0 | 1 351 091 | 0.00 | 117.71 |

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



National Energy Board
Office national de l'énergie

TABLE 3B

Import Purchases Summary Report by Source and Destination

Page 5
98/10/30

| Source | Destination | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|---------------------------------------|------------------|----------------|------------------|------------------------------|-------------------|-------------------------|--------------|
| | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| New York | Ontario | 133 144 | 478 068 | 5 623 504 | 15 141 648 | 42.24 | 31.62 |
| | Quebec | 53 368 | 684 105 | 1 898 023 | 22 318 517 | 35.56 | 32.71 |
| Subtotal Imports: New York | | 186 512 | 1 162 173 | 7 521 527 | 37 460 166 | 40.33 | 32.16 |
| North Dakota | Manitoba | 1 295 | 2 040 | 19 978 | 39 610 | 15.43 | 19.42 |
| | Saskatchewan | 48 291 | 206 027 | 1 409 489 | 5 570 494 | 29.19 | 24.67 |
| Subtotal Imports: North Dakota | | 49 586 | 208 067 | 1 429 466 | 5 610 103 | 28.83 | 24.63 |
| Oregon | Alberta | 10 092 | 102 232 | 381 536 | 2 166 776 | 37.81 | 21.19 |
| | British Columbia | 0 | 110 | 0 | 3 124 | 0.00 | 28.40 |
| Subtotal Imports: Oregon | | 10 092 | 102 342 | 381 536 | 2 169 900 | 37.81 | 21.20 |
| Pennsylvania | Ontario | 12 242 | 21 617 | 395 290 | 824 469 | 32.29 | 38.04 |
| Subtotal Imports: Pennsylvania | | 12 242 | 21 617 | 395 290 | 824 469 | 32.29 | 38.04 |
| South Dakota | Alberta | 650 | 3 225 | 25 666 | 124 188 | 39.49 | 38.51 |
| | Manitoba | 17 700 | 39 294 | 549 286 | 896 574 | 31.03 | 22.76 |
| Subtotal Imports: South Dakota | | 18 350 | 42 519 | 574 952 | 1 020 762 | 31.33 | 23.95 |
| Texas | Manitoba | 0 | 0 | 0 | 160 579 | 0.00 | 0.00 |
| Subtotal Imports: Texas | | 0 | 0 | 0 | 160 579 | 0.00 | 0.00 |
| Vermont | Quebec | 12 224 | 12 224 | 4 270 479 | 27 470 393 | 39.39 | 39.39 |
| Subtotal Imports: Vermont | | 12 224 | 12 224 | 4 270 479 | 27 470 393 | 39.39 | 39.39 |
| Washington | Alberta | 5 789 | 61 706 | 225 729 | 1 548 463 | 38.99 | 25.14 |
| | British Columbia | 370 615 | 3 504 375 | 12 862 756 | 70 631 400 | 34.71 | 20.19 |

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



National Energy Board
Office national de l'énergie

TABLE 3B

Import Purchases Summary Report by Source and Destination

Page 6
98/10/30

| Source | Destination | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|-------------------------------------|--------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | SEP98 | JAN98 - SEP98 | SEP98 | JAN98 - SEP98 | SEP98 | L12M |
| Washington | Saskatchewan | 0 | 21 934 | 0 | 819 719 | 0.00 | 36.36 |
| Subtotal Imports: Washington | | 376 404 | 3 588 015 | 13 088 485 | 72 999 582 | 34.77 | 20.37 |
| Wisconsin | Manitoba | 2 875 | 4 283 | 76 779 | 112 403 | 26.71 | 26.24 |
| Subtotal Imports: Wisconsin | | 2 875 | 4 283 | 76 779 | 112 403 | 26.71 | 26.24 |
| Total Imports | | 984 375 | 7 992 910 | 36 659 079 | 188 338 629 | 33.39 | 23.02 |

Footnotes:

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

Additional Notes:

- Revenue for Permit 92 not available.



National Energy Board
Office national de l'énergie

TABLE 4 Source of Production Report ¹ Canadian Exports

Page 1
98/10/30

| Fuel Type | SEP98 | | |
|---------------|------------------|------------------------------|-------------------------|
| | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| Canadian Coal | 14 336 | 536 369 | 37.41 |
| Canadian Oil | 160 | 9 088 | 56.98 |
| Hydraulic | 2 352 764 | 91 809 354 | 39.02 |
| Imported Coal | 251 943 | 3 336 263 | 13.24 |
| Imported Oil | 314 922 | 10 496 969 | 33.33 |
| Nuclear | 3 128 | 128 440 | 41.06 |
| Other | 840 910 | 32 031 856 | 38.09 |
| Total | 3 778 162 | 138 348 337 | 36.62 |

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 ¹ by Exporter

| Exporter | Fuel Type | Authorization | SEP98 | | |
|-----------------|-----------------|------------------|-------------------|------------------------------|-------------------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| BC Hydro/Powerx | Hydraulic | Permit 43 | 623 412 | 31 825 483 | 51.05 |
| | | Subtotal | 623 412 | 31 825 483 | 51.05 |
| | Other | Permit 43 | 419 105 | 21 395 512 | 51.05 |
| | | Permit 44 | 28 855 | 821 189 | 28.46 |
| | | Subtotal | 447 960 | 22 216 701 | 49.60 |
| Subtotal | | 1 071 372 | 54 042 184 | 50.44 | |
| Cominco | Hydraulic | Permit 57 | 11 430 | 702 272 | 61.44 |
| | | Subtotal | 11 430 | 702 272 | 61.44 |
| | Subtotal | | 11 430 | 702 272 | 61.44 |
| Hydro-Quebec | Hydraulic | Licence 176 | 617 130 | 22 081 514 | 35.78 |
| | | Licence 178 | 265 690 | 11 474 002 | 43.19 |
| | | Licence 180 | 85 930 | 3 384 478 | 39.39 |
| | | Licence 181 | 26 816 | 1 056 187 | 39.39 |
| | | Licence 182 | 14 142 | 557 003 | 39.39 |
| | | Licence 183 | 21 504 | 846 966 | 39.39 |
| | | Licence 184 | 8 640 | 340 299 | 39.39 |
| | | Permit 64 | 19 638 | 817 444 | 41.63 |
| | | Permit 65 | 6 930 | 247 962 | 35.78 |
| | | Subtotal | 1 066 420 | 40 805 856 | 38.26 |
| Subtotal | | 1 066 420 | 40 805 856 | 38.26 | |

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 ¹ by Exporter

| Exporter | Fuel Type | Authorization | SEP98 | | |
|-----------------|-----------|-----------------|----------------|------------------------------|-------------------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| Manitoba Hydro | Hydraulic | Licence 170 | 246 777 | 6 747 902 | 27.34 |
| | | Permit 33 | 33 600 | 706 504 | 21.03 |
| | | Permit 34 | 16 800 | 370 427 | 22.05 |
| | | Permit 35 | 33 120 | 877 842 | 26.51 |
| | | Permit 46 | 296 140 | 9 086 233 | 30.68 |
| | | Permit 52 | 6 005 | 157 604 | 26.25 |
| | | Permit 68 | 11 259 | 291 528 | 25.89 |
| | | Subtotal | 643 701 | 18 238 040 | 28.33 |
| | Other | Licence 170 | 19 739 | 539 746 | 27.34 |
| | | Permit 45 | 189 148 | 5 337 990 | 28.22 |
| | | Subtotal | 208 887 | 5 877 736 | 28.14 |
| | | Subtotal | 852 588 | 24 115 776 | 28.29 |
| | NB Power | Canadian Coal | Permit 18 | 279 | 13 641 |
| Permit 47 | | | 261 | 13 433 | 51.41 |
| Permit 91 | | | 13 796 | 509 294 | 36.92 |
| Subtotal | | | 14 336 | 536 369 | 37.41 |
| Canadian Oil | | Permit 16 | 160 | 9 088 | 56.98 |
| | | Subtotal | 160 | 9 088 | 56.98 |

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 ¹ by Exporter

| Exporter | Fuel Type | Authorization | SEP98 | | | |
|----------|---------------|-----------------|----------------|------------------------------|-------------------------|--------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² | |
| NB Power | Imported Coal | Permit 16 | 873 | 50 412 | 57.77 | |
| | | Permit 18 | 314 | 15 343 | 48.91 | |
| | | Permit 47 | 3 019 | 155 191 | 51.41 | |
| | | Permit 91 | 62 167 | 2 271 899 | 36.55 | |
| | | Subtotal | 66 372 | 2 492 846 | 37.56 | |
| | Imported Oil | Permit 16 | 6 653 | 376 567 | 56.60 | |
| | | Permit 18 | 2 625 | 128 395 | 48.91 | |
| | | Permit 47 | 962 | 49 431 | 51.41 | |
| | | Permit 91 | 210 348 | 7 474 452 | 35.53 | |
| | | Subtotal | 220 587 | 8 028 845 | 36.40 | |
| | Nuclear | Permit 47 | 860 | 44 192 | 51.41 | |
| | | Permit 91 | 2 268 | 84 248 | 37.14 | |
| | | Subtotal | 3 128 | 128 440 | 41.06 | |
| | Other | Permit 16 | 79 | 4 474 | 56.56 | |
| | | Permit 18 | 382 | 18 698 | 48.91 | |
| | | Permit 47 | 1 308 | 67 239 | 51.41 | |
| | | Permit 91 | 72 129 | 2 677 774 | 37.13 | |
| | | Subtotal | 73 899 | 2 768 186 | 37.46 | |
| | | Subtotal | | 378 481 | 13 963 773 | 36.89 |

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 ¹ by Exporter

| Exporter | Fuel Type | Authorization | SEP98 | | | |
|----------------------------|-----------------|-----------------|------------------|------------------------------|-------------------------|--------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² | |
| Ont. Hydro/OHIM | Hydraulic | Permit 21 | 7 801 | 237 702 | 30.47 | |
| | | Subtotal | 7 801 | 237 702 | 30.47 | |
| | Imported Coal | Permit 21 | 185 571 | 843 417 | 4.55 | |
| | | Subtotal | 185 571 | 843 417 | 4.54 | |
| | Imported Oil | Permit 21 | 94 335 | 2 468 124 | 26.16 | |
| | | Subtotal | 94 335 | 2 468 124 | 26.16 | |
| | Other | Permit 21 | 3 253 | 255 200 | 78.45 | |
| | | Subtotal | 3 253 | 255 200 | 78.45 | |
| | Subtotal | | | 290 960 | 3 804 443 | 13.08 |
| | Powerex | Other | Permit 71 | 8 791 | 366 476 | 41.69 |
| Permit 92 | | | 82 800 | 0 | 0.00 | |
| Permit 95 | | | 13 720 | 496 151 | 36.16 | |
| Subtotal | | 105 311 | 862 626 | 8.19 | | |
| Subtotal | | | 105 311 | 862 626 | 8.19 | |
| TransAlta Ener. | Other | Permit 74 | 1 600 | 51 408 | 32.13 | |
| | | Subtotal | 1 600 | 51 408 | 32.13 | |
| | Subtotal | | 1 600 | 51 408 | 32.13 | |
| Total All Exporters | | | 3 778 162 | 138 348 337 | 36.62 | |

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.