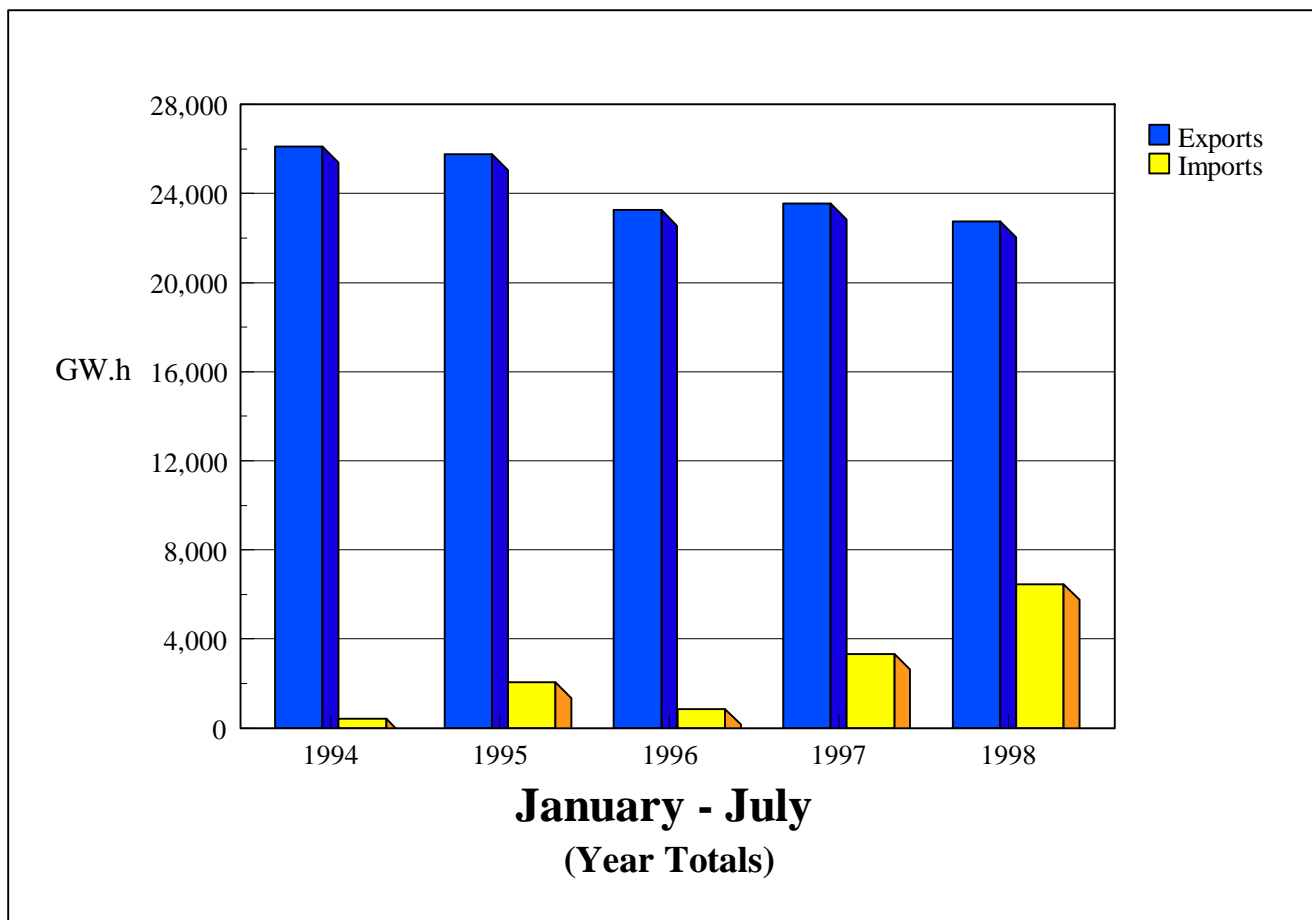




Electricity Exports and Imports

Monthly Statistics for: **July 1998**

Exports: **4607** GW.h
Imports: **853** GW.h





National Energy Board
Office national de l'énergie

TABLE 1

Exports and Imports of Electricity

Summary: Canada

JULY 1998

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| Exchange Type | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|---|------------------|-------------------|------------------------------|--------------------|-------------------------|--------------|
| | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Exports of Electric Energy | | | | | | |
| Firm | 2 169 520 | 11 781 919 | 89 327 729 | 499 041 301 | 31.81 | 30.41 |
| Interruptible | 2 437 667 | 10 954 730 | 85 881 854 | 385 450 641 | 32.75 | 30.37 |
| Non-Revenue/Inadvertant | 384 584 | 1 991 312 | 222 944 | 222 944 | 0.58 | 0.08 |
| Service | 33 063 | 324 628 | 0 | 405 | 0.00 | 0.00 |
| Total Exports | 5 024 834 | 25 052 589 | 175 432 526 | 884 715 290 | 29.67 | 28.26 |
| Total Sales - Firm and Interruptible | 4 607 187 | 22 736 649 | 175 209 583 | 884 491 942 | 32.31 | 30.39 |
| Imports of Electric Energy | | | | | | |
| Non-Revenue/Inadvertant | 299 985 | 1 564 142 | 0 | 0 | 0.00 | 0.00 |
| Purchase | 852 942 | 6 470 250 | 21 401 631 | 130 103 344 | 23.06 | 21.34 |
| Service | 84 236 | 503 047 | 32 138 | 162 080 | 0.38 | 0.44 |
| Total Imports | 1 237 163 | 8 537 439 | 21 433 769 | 130 265 424 | 15.93 | 16.65 |
| Excess of Exports Over Imports | 3 787 671 | 16 515 150 | 153 998 757 | 754 449 867 | | |
| 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,
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Energy Commodities Branch
National Energy Board
(403) 299 - 3171



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 | |
|--|---------------|---------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | 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 | 3 141 | 51 826 | 75 516 | 1 010 097 | 24.04 | 17.09 |
| Subtotal Firm and Interruptible Exports: Alberta | | | 3 141 | 52 863 | 75 516 | 1 027 949 | 24.04 | 17.09 |
| British Columbia | | | | | | | | |
| BC Hydro | Permit 105 | F | 72 | 556 | 1 992 | 25 807 | 27.67 | 54.17 |
| | Treaty | N | 19 085 | 230 148 | 0 | 0 | 0.00 | 0.00 |
| BC Hydro/Powerx | Permit 43 | I | 849 572 | 3 142 425 | 36 342 567 | 102 935 035 | 42.78 | 28.66 |
| | Permit 44 | F | 27 974 | 117 000 | 585 460 | 3 052 458 | 20.93 | 27.05 |
| Cominco | Permit 57 | I | 37 885 | 130 547 | 136 174 | 2 540 542 | 3.59 | 23.11 |
| Powerex | Permit 92 | F | 44 160 | 338 165 | 0 | 0 | 0.00 | 0.00 |
| | Permit 95 | F | 5 380 | 17 200 | 166 217 | 789 640 | 30.90 | 41.34 |
| West Kootenay | Permit 13 | F | 0 | 20 | 0 | 1 262 | 0.00 | 61.90 |
| Subtotal Firm and Interruptible Exports: British Columbia | | | 965 043 | 3 745 913 | 37 232 410 | 109 344 743 | 38.58 | 26.40 |

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\$) ¹ | | CAN\$/MW.h ² | |
|--|---------------|---------------|------------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Manitoba | | | | | | | | |
| Manitoba Hydro | Licence 170 | F | 284 737 | 1 958 718 | 13 967 985 | 92 380 912 | 25.99 | 23.22 |
| | Permit 33 | F | 35 631 | 71 993 | 735 899 | 1 475 127 | 20.82 | 19.84 |
| | Permit 34 | F | 38 363 | 70 300 | 837 671 | 1 514 005 | 21.84 | 20.89 |
| | Permit 35 | F | 23 846 | 39 744 | 686 386 | 1 060 012 | 26.25 | 22.83 |
| | Permit 45 | F | 271 216 | 1 143 500 | 8 014 463 | 31 201 994 | 26.16 | 23.25 |
| | Permit 46 | I | 539 652 | 3 531 780 | 13 152 641 | 80 636 163 | 24.58 | 21.10 |
| | | N | -4 825 | - 165 912 | 0 | 0 | 0.00 | 0.00 |
| | Permit 52 | F | 4 923 | 10 424 | 297 197 | 601 254 | 25.99 | 23.52 |
| | Permit 61 | F | 349 | 2 590 | 15 910 | 118 711 | 45.65 | 46.20 |
| | Permit 68 | F | 14 087 | 64 917 | 582 137 | 3 355 172 | 20.94 | 20.48 |
| Subtotal Firm and Interruptible Exports: Manitoba | | | 1 212 804 | 6 893 966 | 38 290 288 | 212 343 350 | 25.07 | 22.03 |
| New Brunswick | | | | | | | | |
| Fraser Inc. | Permit 102 | F | 24 810 | 184 530 | 1 649 133 | 12 192 756 | 66.47 | 65.95 |
| Maine & NB | Licence 177 | F | 10 678 | 77 180 | 260 124 | 1 860 751 | 16.40 | 16.40 |
| NB Power | Permit 15 | I | 50 | 1 533 | 4 911 | 144 451 | 98.22 | 39.36 |
| | | N | - 615 | 736 | 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 | |
|---|---------------|---------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| NB Power | Permit 16 | I | 4 169 | 20 819 | 254 570 | 1 250 819 | 61.06 | 45.59 |
| | | N | -10 754 | -46 456 | 0 | 0 | 0.00 | 0.00 |
| | Permit 17 | S | 2 592 | 32 281 | 0 | 0 | 0.00 | 0.00 |
| | | Permit 18 | I | 1 016 | 19 287 | 52 517 | 934 976 | 51.69 |
| | N | | -41 | 3 | 0 | 0 | 0.00 | 0.00 |
| | Permit 28 | F | 3 | 18 | 301 | 2 295 | 118.94 | 119.61 |
| | | Permit 47 | F | 6 976 | 47 953 | 520 660 | 3 630 832 | 51.41 |
| | Permit 91 | | I | 366 569 | 2 280 904 | 16 285 553 | 91 397 005 | 44.43 |
| Subtotal Firm and Interruptible Exports: New Brunswick | | | 414 271 | 2 632 224 | 19 027 769 | 111 413 885 | 45.33 | 42.51 |
| Ontario | | | | | | | | |
| Cdn. Niagara | Permit 84 | F | 23 811 | 157 960 | 822 849 | 4 101 105 | 34.56 | 25.81 |
| | Permit 85 | S | 7 363 | 67 331 | 0 | 0 | 0.00 | 0.00 |
| Cornwall Elec. | Permit 82 | I | 1 487 | 5 694 | 30 961 | 117 086 | 20.82 | 21.89 |
| | Permit 83 | S | 4 631 | 149 479 | 0 | 0 | 0.00 | 0.00 |
| D&W Subway | Permit 26 | F | 119 | 1 004 | 0 | 0 | 0.00 | 0.00 |
| Ont. Hydro/OHIM | Permit 21 | I | 512 814 | 1 297 942 | 14 079 120 | 84 865 064 | 15.63 | 42.89 |
| | | S | 6 027 | 23 939 | 0 | 405 | 0.00 | 0.01 |

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 | | |
|---|---------------|---------------|------------------|------------------|------------------------------|--------------------|-------------------------|--------------|-------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M | |
| Ontario Hydro | Permit 22 | N | 296 666 | 1 593 400 | 0 | 0 | 0.00 | 0.00 | |
| | Permit 24 | F | 0 | 114 | 0 | 228 | 0.00 | 2.00 | |
| Subtotal Firm and Interruptible Exports: Ontario | | | 538 231 | 1 462 714 | 14 932 929 | 89 083 483 | 16.48 | 41.14 | |
| Quebec | | | | | | | | | |
| Hydro-Quebec | Licence 176 | F | 526 142 | 3 389 185 | 18 408 842 | 115 315 864 | 34.99 | 33.39 | |
| | Licence 178 | F | 348 335 | 1 181 113 | 13 933 505 | 47 600 691 | 34.96 | 34.71 | |
| | Licence 180 | F | 96 154 | 522 483 | 9 181 464 | 56 602 338 | 38.51 | 36.35 | |
| | Licence 181 | F | 29 832 | 202 720 | 2 755 295 | 17 305 177 | 38.51 | 35.32 | |
| | Licence 182 | F | 14 593 | 91 582 | 1 350 604 | 8 793 892 | 38.51 | 36.73 | |
| | Licence 183 | F | 24 395 | 122 321 | 2 408 004 | 14 578 881 | 38.51 | 36.64 | |
| | Licence 184 | F | 14 350 | 68 452 | 1 333 584 | 7 882 100 | 38.51 | 36.70 | |
| | Permit 20 | F | 0 | 730 | 0 | 50 572 | 0.00 | 70.87 | |
| | Permit 64 | I | N | 94 821 | 479 223 | 4 387 120 | 18 895 408 | 45.13 | 36.72 |
| | | | S | 88 338 | 375 737 | 222 944 | 222 944 | 2.52 | 0.56 |
| Permit 65 | F | S | 0 | 1 818 | 0 | 0 | 0.00 | 0.00 | |
| | | S | 250 413 | 1 786 512 | 9 435 932 | 70 570 682 | 36.95 | 38.88 | |
| Permit 65 | F | S | 0 | 8 380 | 0 | 0 | 0.00 | 0.00 | |
| | | S | 0 | 8 380 | 0 | 0 | 0.00 | 0.00 | |
| Maclaren Ind. | Permit 111 | I | 2 397 | 2 397 | 122 247 | 122 247 | 51.00 | 51.00 | |
| Subtotal Firm and Interruptible Exports: Quebec | | | 1 401 432 | 7 846 718 | 63 316 595 | 357 717 854 | 36.50 | 35.33 | |

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 | |
|--|---------------|---------------|------------------|-------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Saskatchewan | | | | | | | | |
| Sask. Power | Licence 118 | S | 12 450 | 41 400 | 0 | 0 | 0.00 | 0.00 |
| | Licence 119 | I | 27 235 | 41 142 | 1 033 474 | 1 593 992 | 37.95 | 37.46 |
| | | N | -3 270 | 3 656 | 0 | 0 | 0.00 | 0.00 |
| | Permit 89 | F | 45 030 | 61 109 | 1 300 600 | 1 966 686 | 28.88 | 32.67 |
| Subtotal Firm and Interruptible Exports: Saskatchewan | | | 72 265 | 102 251 | 2 334 075 | 3 560 678 | 32.30 | 34.43 |
| Total Firm and Interruptible Exports: | | | 4 607 187 | 22 736 649 | 175 209 583 | 884 491 942 | 32.31 | 30.39 |

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 | |
|---|---------------|---------------|----------------|------------------|------------------------------|-------------------|-------------------------|--------------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Alberta | | | | | | | | |
| Enron Canada | - | P | 0 | 23 021 | 0 | 563 161 | 0.00 | 24.46 |
| TransAlta | | P | 226 | 1 666 | 9 343 | 67 184 | 41.28 | 40.55 |
| TransCanada | | P | 0 | 2 202 | 0 | 55 595 | 0.00 | 23.50 |
| Subtotal Purchased Imports: Alberta | | | 226 | 26 889 | 9 343 | 685 940 | 41.28 | 25.71 |
| British Columbia | | | | | | | | |
| BC Hydro | | P | 0 | 122 | 0 | 7 971 | 0.00 | 66.67 |
| BC Hydro/Powerx | | P | 488 826 | 2 897 666 | 10 519 720 | 49 269 242 | 21.52 | 17.44 |
| West Kootenay | | P | 0 | 83 857 | 0 | 2 559 380 | 0.00 | 22.92 |
| Subtotal Purchased Imports: British Columbia | | | 488 826 | 2 981 645 | 10 519 720 | 51 836 593 | 21.52 | 17.75 |
| Manitoba | | | | | | | | |
| Manitoba Hydro | | N | -6 991 | - 153 320 | 0 | 0 | 0.00 | 0.00 |
| | | P | 1 208 | 107 388 | 174 993 | 2 634 382 | 139.86 | 21.87 |
| Subtotal Purchased Imports: Manitoba | | | 1 208 | 107 388 | 174 993 | 2 634 382 | 139.86 | 21.87 |

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 | |
|--|---------------|---------------|----------------|------------------|------------------------------|-------------------|-------------------------|--------------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| New Brunswick | | | | | | | | |
| Maine & NB | - | P | 513 | 3 845 | 22 470 | 167 452 | 43.80 | 46.21 |
| NB Power | | N | 9 479 | 47 125 | 0 | 0 | 0.00 | 0.00 |
| | | P | 367 | 3 682 | 6 655 | 49 785 | 18.13 | 13.52 |
| | | S | 2 592 | 32 281 | 0 | 0 | 0.00 | 0.00 |
| Subtotal Purchased Imports: New Brunswick | | | 880 | 7 527 | 29 125 | 217 237 | 33.10 | 34.08 |
| Ontario | | | | | | | | |
| Cdn. Niagara | | N | 829 | 4 957 | 0 | 0 | 0.00 | 0.00 |
| Cornwall Elec. | | P | 745 | 5 332 | 102 624 | 712 156 | 137.75 | 125.63 |
| | | S | 4 631 | 149 479 | 0 | 0 | 0.00 | 0.00 |
| D&W Subway | | P | 104 | 917 | 0 | 0 | 0.00 | 0.00 |
| Ontario Hydro | | N | 298 376 | 1 593 273 | 0 | 0 | 0.00 | 0.00 |
| | | P | 322 525 | 2 596 891 | 7 699 994 | 30 950 026 | 23.87 | 21.50 |
| | | S | 33 533 | 165 949 | 32 138 | 162 080 | 0.96 | 0.92 |
| Subtotal Purchased Imports: Ontario | | | 323 374 | 2 603 140 | 7 802 618 | 31 662 183 | 24.13 | 21.69 |

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\$) ¹ | | CAN\$/MW.h ² | |
|---|---------------|---------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Quebec | | | | | | | | |
| Hydro-Quebec | - | N | 1 300 | 95 026 | 0 | 0 | 0.00 | 0.00 |
| | | P | 35 017 | 570 845 | 2 641 619 | 38 321 377 | 26.24 | 33.70 |
| | | S | 43 480 | 115 338 | 0 | 0 | 0.00 | 0.00 |
| Subtotal Purchased Imports: Quebec | | | 35 017 | 570 845 | 2 641 619 | 38 321 377 | 26.24 | 33.70 |
| Saskatchewan | | | | | | | | |
| Sask. Power | | N | -3 008 | -22 919 | 0 | 0 | 0.00 | 0.00 |
| | | P | 3 411 | 172 816 | 224 214 | 4 745 632 | 65.73 | 24.43 |
| | | S | 0 | 40 000 | 0 | 0 | 0.00 | 0.00 |
| Subtotal Purchased Imports: Saskatchewan | | | 3 411 | 172 816 | 224 214 | 4 745 632 | 65.73 | 24.43 |
| Total Purchased Imports: | | | 852 942 | 6 470 250 | 21 401 631 | 130 103 344 | 23.06 | 21.34 |

Footnotes:

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

- F - Firm Sales
- I - Interruptible Sales
- P - Purchase (Import)
- N - Non-Revenue (Non-Revenue or Inadvertent)
- S - Service (Spinning Reserve, Storage, Unit Rental, Transmission, etc.)

Additional Notes:

- Revenue for Permit 92 not available.



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TABLE 3A

Export Sales Summary Report by Destination and Source

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| Destination | Source | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|-------------------------------------|------------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Alaska | British Columbia | 72 | 556 | 1 992 | 25 807 | 27.67 | 54.17 |
| Subtotal Exports: Alaska | | 72 | 556 | 1 992 | 25 807 | 27.67 | 54.17 |
| Arizona | British Columbia | 0 | 4 000 | 0 | 117 972 | 0.00 | 29.16 |
| Subtotal Exports: Arizona | | 0 | 4 000 | 0 | 117 972 | 0.00 | 29.16 |
| California | British Columbia | 268 517 | 460 899 | 14 881 934 | 21 286 678 | 55.42 | 33.61 |
| Subtotal Exports: California | | 268 517 | 460 899 | 14 881 934 | 21 286 678 | 55.42 | 33.61 |
| Idaho | British Columbia | 18 676 | 72 300 | 720 367 | 2 444 155 | 38.57 | 28.22 |
| Subtotal Exports: Idaho | | 18 676 | 72 300 | 720 367 | 2 444 155 | 38.57 | 28.22 |
| Iowa | Manitoba | 16 979 | 91 049 | 291 415 | 1 746 741 | 17.16 | 16.19 |
| Subtotal Exports: Iowa | | 16 979 | 91 049 | 291 415 | 1 746 741 | 17.16 | 16.19 |
| Kansas | Manitoba | 900 | 1 400 | 10 200 | 21 973 | 11.33 | 15.69 |
| Subtotal Exports: Kansas | | 900 | 1 400 | 10 200 | 21 973 | 11.33 | 15.69 |
| Maine | New Brunswick | 414 271 | 2 632 224 | 19 027 769 | 111 413 885 | 45.33 | 42.51 |
| Subtotal Exports: Maine | | 414 271 | 2 632 224 | 19 027 769 | 111 413 885 | 45.33 | 42.51 |
| Michigan | Ontario | 494 560 | 1 193 192 | 12 741 339 | 77 113 751 | 13.91 | 44.28 |
| Subtotal Exports: Michigan | | 494 560 | 1 193 192 | 12 741 339 | 77 113 751 | 13.91 | 44.28 |
| Minnesota | Manitoba | 988 067 | 5 631 519 | 31 803 660 | 179 961 871 | 25.37 | 22.12 |
| | Ontario | 7 195 | 36 677 | 918 036 | 3 291 503 | 100.60 | 62.72 |
| | Saskatchewan | 2 408 | 2 738 | 69 457 | 69 457 | 28.84 | 25.37 |
| Subtotal Exports: Minnesota | | 997 670 | 5 670 934 | 32 791 153 | 183 322 831 | 25.92 | 22.33 |

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\$) ¹ | | CAN\$/MW.h ² | |
|---------------------------------------|------------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Missouri | Manitoba | 22 | 295 | 997 | 7 399 | 45.33 | 21.09 |
| Subtotal Exports: Missouri | | 22 | 295 | 997 | 7 399 | 45.33 | 21.09 |
| Montana | British Columbia | 7 645 | 16 514 | 349 343 | 674 079 | 45.70 | 37.15 |
| | Manitoba | 163 | 350 | 6 226 | 14 944 | 38.19 | 42.70 |
| Subtotal Exports: Montana | | 7 808 | 16 864 | 355 569 | 689 024 | 45.54 | 37.23 |
| Nebraska | Manitoba | 1 108 | 23 576 | 33 305 | 553 439 | 30.06 | 23.83 |
| | Ontario | 12 264 | 13 416 | 299 463 | 361 709 | 24.42 | 27.20 |
| Subtotal Exports: Nebraska | | 13 372 | 36 992 | 332 767 | 915 147 | 24.89 | 25.46 |
| New England | Ontario | 6 800 | 19 653 | 151 648 | 414 407 | 22.30 | 26.02 |
| | Quebec | 812 944 | 5 308 037 | 28 868 481 | 187 670 820 | 35.51 | 35.05 |
| Subtotal Exports: New England | | 819 744 | 5 327 690 | 29 020 129 | 188 085 227 | 35.40 | 34.89 |
| New York | Ontario | 12 794 | 191 609 | 418 813 | 7 341 475 | 32.28 | 28.38 |
| | Quebec | 367 136 | 1 371 702 | 15 197 044 | 57 040 468 | 36.61 | 36.32 |
| Subtotal Exports: New York | | 379 930 | 1 563 311 | 15 615 857 | 64 381 943 | 36.46 | 35.15 |
| North Dakota | Manitoba | 32 381 | 75 954 | 1 388 608 | 3 359 535 | 31.22 | 26.44 |
| | Saskatchewan | 27 235 | 46 965 | 1 033 474 | 1 861 847 | 37.95 | 38.27 |
| Subtotal Exports: North Dakota | | 59 616 | 122 919 | 2 422 082 | 5 221 382 | 34.29 | 29.24 |
| Oregon | Alberta | 537 | 712 | 11 808 | 17 194 | 21.99 | 18.52 |
| | British Columbia | 55 198 | 304 576 | 1 483 592 | 7 884 552 | 26.88 | 25.47 |
| Subtotal Exports: Oregon | | 55 735 | 305 288 | 1 495 400 | 7 901 746 | 26.83 | 25.28 |

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\$) ¹ | | CAN\$/MW.h ² | |
|---------------------------------------|------------------|------------------|-------------------|------------------------------|--------------------|-------------------------|--------------|
| | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Pennsylvania | Ontario | 4 618 | 8 167 | 403 631 | 560 638 | 87.40 | 48.74 |
| Subtotal Exports: Pennsylvania | | 4 618 | 8 167 | 403 631 | 560 638 | 87.40 | 48.74 |
| South Dakota | Manitoba | 3 886 | 21 769 | 53 806 | 465 964 | 13.85 | 21.39 |
| Subtotal Exports: South Dakota | | 3 886 | 21 769 | 53 806 | 465 964 | 13.85 | 21.39 |
| Texas | Manitoba | 97 424 | 508 353 | 3 030 262 | 14 127 403 | 23.29 | 21.54 |
| Subtotal Exports: Texas | | 97 424 | 508 353 | 3 030 262 | 14 127 403 | 23.29 | 21.54 |
| Vermont | Quebec | 221 352 | 1 166 979 | 19 251 071 | 113 006 565 | 39.92 | 35.49 |
| Subtotal Exports: Vermont | | 221 352 | 1 166 979 | 19 251 071 | 113 006 565 | 39.92 | 35.49 |
| Washington | Alberta | 2 604 | 52 151 | 63 708 | 1 010 756 | 24.47 | 16.91 |
| | British Columbia | 614 935 | 2 887 068 | 19 795 181 | 76 911 499 | 32.19 | 24.87 |
| | Saskatchewan | 42 622 | 52 548 | 1 231 144 | 1 629 375 | 28.89 | 31.91 |
| Subtotal Exports: Washington | | 660 161 | 2 991 767 | 21 090 033 | 79 551 630 | 31.95 | 24.76 |
| Wisconsin | Manitoba | 71 874 | 539 701 | 1 671 810 | 12 084 081 | 23.18 | 21.65 |
| Subtotal Exports: Wisconsin | | 71 874 | 539 701 | 1 671 810 | 12 084 081 | 23.18 | 21.65 |
| Total Exports | | 4 607 187 | 22 736 649 | 175 209 583 | 884 491 942 | 32.31 | 30.39 |

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\$) ¹ | | CAN\$/MW.h ² | |
|--------------------------------------|------------------|----------------|------------------|------------------------------|-------------------|-------------------------|---------------|
| | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Iowa | Manitoba | 404 | 404 | 51 329 | 51 329 | 127.05 | 127.05 |
| Subtotal Imports: Iowa | | 404 | 404 | 51 329 | 51 329 | 127.05 | 127.05 |
| Maine | New Brunswick | 880 | 7 527 | 29 125 | 217 237 | 33.10 | 34.08 |
| Subtotal Imports: Maine | | 880 | 7 527 | 29 125 | 217 237 | 33.10 | 34.08 |
| Michigan | Ontario | 235 447 | 2 216 660 | 6 939 084 | 20 919 381 | 29.47 | 19.86 |
| Subtotal Imports: Michigan | | 235 447 | 2 216 660 | 6 939 084 | 20 919 381 | 29.47 | 19.86 |
| Minnesota | Manitoba | 369 | 83 957 | 69 232 | 1 944 696 | 187.62 | 22.27 |
| | Ontario | 12 056 | 38 555 | 234 619 | 1 163 955 | 19.46 | 24.20 |
| | Saskatchewan | 0 | 200 | 0 | 11 742 | 0.00 | 58.71 |
| Subtotal Imports: Minnesota | | 12 425 | 122 712 | 303 852 | 3 120 393 | 24.45 | 23.49 |
| Missouri | Manitoba | 9 | 9 | 1 373 | 1 373 | 152.60 | 152.60 |
| Subtotal Imports: Missouri | | 9 | 9 | 1 373 | 1 373 | 152.60 | 152.60 |
| Montana | Alberta | 226 | 1 666 | 9 343 | 67 184 | 41.28 | 40.55 |
| | British Columbia | 0 | 122 | 0 | 7 971 | 0.00 | 66.67 |
| Subtotal Imports: Montana | | 226 | 1 788 | 9 343 | 75 155 | 41.28 | 42.27 |
| Nebraska | Manitoba | 177 | 564 | 30 844 | 130 803 | 140.11 | 119.47 |
| Subtotal Imports: Nebraska | | 177 | 564 | 30 844 | 130 803 | 140.11 | 119.47 |
| 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 |
| New York | Ontario | 74 471 | 338 550 | 583 589 | 9 149 668 | 7.84 | 29.67 |

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 3B

Import Purchases Summary Report by Source and Destination

| Source | Destination | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|---------------------------------------|------------------|----------------|------------------|------------------------------|-------------------|-------------------------|--------------|
| | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| New York | Quebec | 35 017 | 559 514 | 918 850 | 18 488 088 | 26.24 | 32.57 |
| Subtotal Imports: New York | | 109 488 | 898 064 | 1 502 440 | 27 637 756 | 13.72 | 31.11 |
| North Dakota | Manitoba | 24 | 664 | 2 520 | 17 686 | 104.99 | 26.64 |
| | Saskatchewan | 1 633 | 150 786 | 64 799 | 3 907 339 | 39.68 | 23.11 |
| Subtotal Imports: North Dakota | | 1 657 | 151 450 | 67 318 | 3 925 025 | 40.63 | 23.12 |
| Oregon | Alberta | 0 | 50 | 0 | 1 585 | 0.00 | 31.70 |
| | British Columbia | 0 | 110 | 0 | 3 124 | 0.00 | 28.40 |
| Subtotal Imports: Oregon | | 0 | 160 | 0 | 4 709 | 0.00 | 29.43 |
| Pennsylvania | Ontario | 1 400 | 9 375 | 45 325 | 429 179 | 32.38 | 45.78 |
| Subtotal Imports: Pennsylvania | | 1 400 | 9 375 | 45 325 | 429 179 | 32.38 | 45.78 |
| South Dakota | Manitoba | 92 | 21 002 | 6 692 | 315 207 | 72.74 | 15.03 |
| Subtotal Imports: South Dakota | | 92 | 21 002 | 6 692 | 315 207 | 72.74 | 15.03 |
| Texas | Manitoba | 0 | 0 | 0 | 148 984 | 0.00 | 0.00 |
| Subtotal Imports: Texas | | 0 | 0 | 0 | 148 984 | 0.00 | 0.00 |
| Vermont | Quebec | 0 | 0 | 1 722 768 | 18 482 198 | 0.00 | 33.46 |
| Subtotal Imports: Vermont | | 0 | 0 | 1 722 768 | 18 482 198 | 0.00 | 33.46 |
| Washington | Alberta | 0 | 25 173 | 0 | 617 171 | 0.00 | 24.24 |
| | British Columbia | 488 826 | 2 981 413 | 10 519 720 | 51 825 498 | 21.52 | 17.75 |
| | Saskatchewan | 1 778 | 21 830 | 159 416 | 826 550 | 89.66 | 36.90 |
| Subtotal Imports: Washington | | 490 604 | 3 028 416 | 10 679 136 | 53 269 219 | 21.77 | 17.93 |

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 3B

Import Purchases Summary Report by Source and Destination

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| Source | Destination | Energy (MW.h) | | Revenue (CAN\$) ¹ | | CAN\$/MW.h ² | |
|------------------------------------|-------------|----------------|------------------|------------------------------|--------------------|-------------------------|--------------|
| | | JUL98 | JAN98 - JUL98 | JUL98 | JAN98 - JUL98 | JUL98 | L12M |
| Wisconsin | Manitoba | 133 | 788 | 13 003 | 24 304 | 97.76 | 30.84 |
| Subtotal Imports: Wisconsin | | 133 | 788 | 13 003 | 24 304 | 97.76 | 30.84 |
| Total Imports | | 852 942 | 6 470 250 | 21 401 631 | 130 103 344 | 23.06 | 21.34 |

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 ¹ Canadian Exports

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| Fuel Type | JUL98 | | |
|---------------|------------------|------------------------------|-------------------------|
| | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| Canadian Coal | 81 | 4 174 | 51.41 |
| Hydraulic | 3 036 017 | 97 598 100 | 32.15 |
| Imported Coal | 394 717 | 4 759 159 | 12.06 |
| Imported Oil | 292 027 | 10 249 433 | 35.10 |
| Nuclear | 1 981 | 92 179 | 46.53 |
| Other | 743 232 | 30 915 577 | 41.60 |
| Total | 4 468 055 | 143 618 624 | 32.14 |

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 | JUL98 | | |
|-----------------|-----------------|-----------------|------------------|------------------------------|-------------------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| BC Hydro/Powerx | Hydraulic | Permit 43 | 377 119 | 16 132 208 | 42.78 |
| | | Subtotal | 377 119 | 16 132 208 | 42.78 |
| | Other | Permit 43 | 472 453 | 20 210 359 | 42.78 |
| | | Permit 44 | 27 974 | 585 460 | 20.93 |
| | | Subtotal | 500 427 | 20 795 819 | 41.56 |
| | | Subtotal | | 877 546 | 36 928 027 |
| Cominco | Hydraulic | Permit 57 | 37 885 | 136 174 | 3.59 |
| | | Subtotal | 37 885 | 136 174 | 3.59 |
| | | Subtotal | | 37 885 | 136 174 |
| Hydro-Quebec | Hydraulic | Licence 176 | 526 142 | 18 408 842 | 34.99 |
| | | Licence 178 | 348 335 | 12 177 304 | 34.96 |
| | | Licence 180 | 96 154 | 3 703 272 | 38.51 |
| | | Licence 181 | 29 832 | 1 148 949 | 38.51 |
| | | Licence 182 | 14 593 | 562 034 | 38.51 |
| | | Licence 183 | 24 395 | 939 548 | 38.51 |
| | | Licence 184 | 14 350 | 552 675 | 38.51 |
| | | Permit 64 | 94 821 | 4 279 151 | 45.13 |
| | | Permit 65 | 250 413 | 9 251 609 | 36.95 |
| | | | Subtotal | 1 399 035 | 51 023 384 |
| | Subtotal | | 1 399 035 | 51 023 384 | 36.47 |

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 | JUL98 | | |
|----------------|-----------------|-----------------|------------------|------------------------------|-------------------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| Manitoba Hydro | Hydraulic | Licence 170 | 284 737 | 7 400 577 | 25.99 |
| | | Permit 33 | 35 631 | 741 943 | 20.82 |
| | | Permit 34 | 38 363 | 837 671 | 21.84 |
| | | Permit 35 | 17 440 | 457 763 | 26.25 |
| | | Permit 45 | 271 216 | 7 094 915 | 26.16 |
| | | Permit 46 | 539 652 | 13 266 848 | 24.58 |
| | | Permit 52 | 4 923 | 127 953 | 25.99 |
| | | Permit 68 | 14 087 | 295 028 | 20.94 |
| | | Subtotal | 1 206 049 | 30 222 698 | 25.06 |
| | | Other | Permit 35 | 6 406 | 168 143 |
| | | Subtotal | 6 406 | 168 143 | 26.25 |
| | Subtotal | | 1 212 455 | 30 390 841 | 25.07 |
| NB Power | Canadian Coal | Permit 47 | 81 | 4 174 | 51.41 |
| | | Subtotal | 81 | 4 174 | 51.41 |
| | Imported Coal | Permit 16 | 879 | 55 679 | 63.37 |
| | | Permit 18 | 28 | 1 438 | 50.83 |
| | | Permit 47 | 2 490 | 127 995 | 51.41 |
| | Permit 91 | 50 968 | 2 126 665 | 41.73 | |
| | Subtotal | 54 365 | 2 311 778 | 42.52 | |

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 | JUL98 | | |
|-----------------|-----------------|-----------------|------------------|------------------------------|-------------------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| NB Power | Imported Oil | Permit 16 | 2 682 | 161 407 | 60.19 |
| | | Permit 18 | 494 | 25 147 | 50.96 |
| | | Permit 47 | 2 721 | 139 866 | 51.41 |
| | | Permit 91 | 150 216 | 6 320 547 | 42.08 |
| | | Subtotal | 156 112 | 6 646 967 | 42.58 |
| | Nuclear | Permit 47 | 973 | 50 017 | 51.41 |
| | | Permit 91 | 1 008 | 42 163 | 41.82 |
| | | Subtotal | 1 981 | 92 179 | 46.53 |
| | Other | Permit 15 | 50 | 4 911 | 98.22 |
| | | Permit 16 | 609 | 37 484 | 61.57 |
| | | Permit 18 | 494 | 25 931 | 52.47 |
| | | Permit 47 | 712 | 36 583 | 51.41 |
| | | Permit 91 | 164 377 | 7 796 179 | 47.43 |
| | | Subtotal | 166 241 | 7 901 089 | 47.53 |
| | | Subtotal | | 378 780 | 16 956 187 |
| Ont. Hydro/OHIM | Hydraulic | Permit 21 | 15 929 | 83 637 | 5.25 |
| | | Subtotal | 15 929 | 83 637 | 5.25 |
| | Imported Coal | Permit 21 | 340 352 | 2 447 381 | 7.19 |
| | Subtotal | 340 352 | 2 447 381 | 7.19 | |

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 | JUL98 | | |
|----------------------------|-----------------|-----------------|------------------|------------------------------|-------------------------|
| | | | Energy (MW.h) | Revenue (CAN\$) ² | CAN\$/MW.h ² |
| Ont. Hydro/OHIM | Imported Oil | Permit 21 | 135 915 | 3 602 467 | 26.51 |
| | | Subtotal | 135 915 | 3 602 467 | 26.51 |
| | Other | Permit 21 | 20 618 | 1 884 309 | 91.39 |
| | | Subtotal | 20 618 | 1 884 309 | 91.39 |
| | Subtotal | | 512 814 | 8 017 794 | 15.63 |
| Powerex | Other | Permit 92 | 44 160 | 0 | 0.00 |
| | | Permit 95 | 5 380 | 166 217 | 30.90 |
| | Subtotal | 49 540 | 166 217 | 3.36 | |
| | Subtotal | | 49 540 | 166 217 | 3.36 |
| Total All Exporters | | | 4 468 055 | 143 618 624 | 32.14 |

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.