

CANADA

RÉGIE DE L'ÉNERGIE

PROVINCE DE QUÉBEC
DISTRICT DE MONTRÉAL

CAUSES TARIFAIRES 2021 ET 2022
D'HYDRO-QUÉBEC TRANSÉNERGIE (HQT)

DOSSIER R-4167-2021

HYDRO-QUÉBEC
En sa qualité de Transporteur, TransÉnergie

Demanderesse

-et-

REGROUPEMENT POUR LA TRANSITION, L'INNOVATION ET L'EFFICACITÉ
ÉNERGÉTIQUES (RTIEÉ),

un Regroupement comprenant les organismes suivants : l'Association québécoise de lutte contre la pollution atmosphérique (AQLPA), Stratégies Énergétiques (S.É.), le Groupe d'Initiatives et de Recherches Appliquées au Milieu (GIRAM) et Énergie solaire Québec (ÉSQ)

Intervenant

**EXCERPTS FROM THE PROOF REGARDING
THE DETERMINATION OF THE X AND S FACTORS OF THE INCENTIVE MECHANISM
ANOMALIES REGARDING THE DATA ON MILES/MW**

M^e Dominique Neuman, Procureur
M. Jean-Pierre Laflamme, Analyste
Regroupement pour la transition, l'innovation et l'efficacité énergétiques (RTIEÉ)
Le 13 décembre 2021

RTIEÉ-1 Doc. 5

*Excerpts from the proof regarding the determination of the X and S factors of the incentive mechanism - Anomalies regarding the data on miles/MW
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2019 data from Brattle's answer to RTIÉE ([B-0061, HQT-10, Doc. 6.1](#), page 11.

Classified by miles/MW

| Company Name | State | Peak (MW) | High tension lines length (km) | High tension lines length (miles) | Total energy (MWh) | Miles/MW | Annual load factor |
|---|-------|-----------|--------------------------------|-----------------------------------|--------------------|----------|--------------------|
| Otter Tail Corporation | MN | 924 | 9 966 | 6 191 | 5 323 557 | 6,700 | 65,8% |
| MDU Resources Group Inc. | ND | 564 | 5 447 | 3 384 | 3 409 156 | 6,000 | 69,0% |
| Northern States Power Company - WI | WI | 1 305 | 4 313 | 2 679 | 7 369 014 | 2,053 | 64,5% |
| Black Hills Power, Inc. | SD | 420 | 1 244 | 773 | 2 970 013 | 1,840 | 80,7% |
| ALLETE (Minnesota Power) | MN | 1 573 | 4 610 | 2 864 | 14 058 786 | 1,821 | 102,0% |
| Southwestern Public Service Company | TX | 4 261 | 12 476 | 7 750 | 30 385 349 | 1,819 | 81,4% |
| Central Maine Power Company | ME | 1 616 | 4 678 | 2 906 | 232 245 | 1,798 | 1,6% |
| PacifiCorp | OR | 10 334 | 28 357 | 17 616 | 64 584 042 | 1,705 | 71,3% |
| Green Mountain Power Corporation | VT | 612 | 1 626 | 1 010 | 5 437 646 | 1,650 | 101,4% |
| Public Service Company of New Mexico | NM | 1 937 | 5 055 | 3 140 | 12 741 405 | 1,621 | 75,1% |
| New York State Electric & Gas Corporation | NY | 2 847 | 7 318 | 4 546 | 18 087 736 | 1,597 | 72,5% |
| Idaho Power Company | ID | 3 242 | 7 693 | 4 779 | 18 534 459 | 1,474 | 65,3% |
| Avista Corporation | WA | 1 656 | 3 611 | 2 243 | 12 497 786 | 1,354 | 86,2% |
| Sierra Pacific Power Company | NV | 1 808 | 3 756 | 2 333 | 10 598 996 | 1,290 | 66,9% |
| Empire District Electric Company | MO | 1 111 | 2 287 | 1 421 | 6 554 734 | 1,279 | 67,3% |
| Entergy Arkansas, LLC | AR | 4 513 | 8 351 | 5 188 | 32 438 515 | 1,150 | 82,1% |

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Régie de l'énergie - Dossier R-4167-2021

Investissements 2022 dont le coût individuel est inférieur à 65 M \$ d'Hydro-Québec TransÉnergie (HQT)

| | | | | | | | |
|---|-----------|---------------|---------------|---------------|--------------------|--------------|--------------|
| Evergy Kansas South, Inc. | KS | 2 297 | 4 250 | 2 640 | 11 323 752 | 1,149 | 56,3% |
| West Penn Power Company | OH | 4 012 | 6 972 | 4 331 | 7 563 429 | 1,080 | 21,5% |
| Monongahela Power Company | OH | 2 121 | 3 614 | 2 245 | 17 649 894 | 1,058 | 95,0% |
| Entergy Mississippi, LLC | MS | 2 994 | 5 042 | 3 132 | 15 830 103 | 1,046 | 60,4% |
| Pacific Gas and Electric Company | CA | 18 731 | 29 726 | 18 466 | 83 825 540 | 0,986 | 51,1% |
| Mississippi Power Company | MS | 2 381 | 3 590 | 2 230 | 9 608 278 | 0,937 | 46,1% |
| Kentucky Utilities Company | KY | 4 352 | 6 537 | 4 061 | 21 123 706 | 0,933 | 55,4% |
| Alabama Power Company | AL | 11 542 | 17 311 | 10 754 | 66 322 692 | 0,932 | 65,6% |
| El Paso Electric Company | TX | 1 985 | 2 975 | 1 848 | 12 408 775 | 0,931 | 71,4% |
| Arizona Public Service Company | AZ | 7 030 | 10 108 | 6 279 | 33 946 074 | 0,893 | 55,1% |
| Niagara Mohawk Power Corporation | NY | 6 518 | 9 279 | 5 764 | 14 584 609 | 0,884 | 25,5% |
| Southwestern Electric Power Company | LA | 4 727 | 6 713 | 4 170 | 25 836 947 | 0,882 | 62,4% |
| Oklahoma Gas and Electric Company | OK | 6 817 | 9 667 | 6 005 | 31 027 697 | 0,881 | 52,0% |
| Tucson Electric Power Company | AZ | 2 726 | 3 522 | 2 188 | 17 835 242 | 0,803 | 74,7% |
| Dominion Energy South Carolina, Inc. | SC | 4 714 | 5 916 | 3 675 | 24 213 721 | 0,780 | 58,6% |
| Northern States Power Company - MN | MN | 7 469 | 9 240 | 5 740 | 51 634 945 | 0,769 | 78,9% |
| Public Service Company of Oklahoma | OK | 4 104 | 5 027 | 3 123 | 21 210 612 | 0,761 | 59,0% |
| Georgia Power Company | GA | 16 572 | 19 988 | 12 417 | 92 021 056 | 0,749 | 63,4% |
| Delmarva Power & Light Company | DE | 4 041 | 4 834 | 3 003 | 13 101 059 | 0,743 | 37,0% |
| Rochester Gas and Electric Corporation | NY | 1 507 | 1 761 | 1 094 | 7 577 007 | 0,726 | 57,4% |
| Public Service Company of Colorado | CO | 6 619 | 7 722 | 4 797 | 46 095 265 | 0,725 | 79,5% |
| Gulf Power Company | FL | 2 472 | 2 740 | 1 702 | 15 516 880 | 0,689 | 71,7% |
| Southern California Edison Company | CA | 21 929 | 23 383 | 14 526 | 69 261 805 | 0,662 | 36,1% |
| Public Service Company of New Hampshire | NH | 1 609 | 1 676 | 1 041 | 8 777 887 | 0,647 | 62,3% |
| Hydro-Québec | QC | 36 700 | 34 802 | 21 619 | 208 300 000 | 0,589 | 64,8% |
| PPL Electric Utilities Corporation | PA | 7 729 | 7 244 | 4 500 | 40 444 722 | 0,582 | 59,7% |
| Puget Sound Energy, Inc. | WA | 4 498 | 4 201 | 2 610 | 28 784 531 | 0,580 | 73,1% |
| Potomac Edison Company | OH | 3 609 | 3 342 | 2 076 | 8 662 701 | 0,575 | 27,4% |
| Cleco Power LLC | LA | 2 492 | 2 204 | 1 369 | 11 745 078 | 0,549 | 53,8% |
| Central Hudson Gas & Electric Corporation | NY | 1 109 | 964 | 599 | 2 732 139 | 0,540 | 28,1% |
| Orange and Rockland Utilities, Inc. | NY | 1 040 | 889 | 552 | 4 230 093 | 0,531 | 46,4% |
| Atlantic City Electric Company | DE | 2 598 | 2 210 | 1 373 | 10 577 136 | 0,528 | 46,5% |

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|--|----|--------|--------|-------|-------------|-------|--------|
| Dayton Power and Light Company | OH | 3 246 | 2 754 | 1 711 | 4 996 704 | 0,527 | 17,6% |
| Eergy Metro, Inc. | MO | 3 441 | 2 918 | 1 813 | 21 530 594 | 0,527 | 71,4% |
| Duke Energy Florida, LLC | FL | 9 973 | 8 355 | 5 190 | 44 956 600 | 0,520 | 51,5% |
| San Diego Gas & Electric Company | CA | 4 175 | 3 403 | 2 114 | 14 405 807 | 0,506 | 39,4% |
| Duke Energy Carolinas, LLC | NC | 17 594 | 13 330 | 8 281 | 95 398 318 | 0,471 | 61,9% |
| Duke Energy Progress, LLC | NC | 13 434 | 10 084 | 6 264 | 70 522 032 | 0,466 | 59,9% |
| Portland General Electric Company | OR | 3 765 | 2 534 | 1 574 | 23 683 434 | 0,418 | 71,8% |
| Ohio Valley Electric Corporation | OH | 1 021 | 686 | 426 | 11 366 445 | 0,417 | 127,1% |
| Northern Indiana Public Service Company | IN | 3 149 | 1 980 | 1 230 | 16 519 969 | 0,391 | 59,9% |
| Connecticut Light and Power Company | CT | 4 775 | 2 915 | 1 811 | 23 641 192 | 0,379 | 56,5% |
| Union Electric Company | MO | 6 961 | 4 115 | 2 556 | 39 481 456 | 0,367 | 64,7% |
| Louisville Gas and Electric Company | KY | 2 609 | 1 475 | 916 | 13 813 726 | 0,351 | 60,4% |
| NSTAR Electric Company | MA | 4 449 | 2 455 | 1 525 | 26 177 418 | 0,343 | 67,2% |
| Nevada Power Company | NV | 5 611 | 3 060 | 1 901 | 22 384 487 | 0,339 | 45,5% |
| Tampa Electric Company | FL | 4 075 | 2 164 | 1 344 | 20 962 225 | 0,330 | 58,7% |
| Florida Power & Light Company | FL | 24 241 | 11 716 | 7 278 | 129 282 725 | 0,300 | 60,9% |
| Indianapolis Power & Light Company | IN | 2 876 | 1 389 | 863 | 16 359 065 | 0,300 | 64,9% |
| Cleveland Electric Illuminating Company | OH | 4 188 | 1 983 | 1 232 | 2 236 070 | 0,294 | 6,1% |
| Duquesne Light Company | PA | 2 662 | 1 074 | 667 | 13 433 795 | 0,251 | 57,6% |
| Commonwealth Edison Company | IL | 20 949 | 8 017 | 4 980 | 95 106 900 | 0,238 | 51,8% |
| Public Service Electric and Gas Company | NJ | 9 753 | 3 237 | 2 011 | 22 667 677 | 0,206 | 26,5% |
| PECO Energy Co. | PA | 8 428 | 2 041 | 1 268 | 39 480 156 | 0,150 | 53,5% |
| Potomac Electric Power Company | DC | 5 431 | 1 285 | 798 | 26 258 728 | 0,147 | 55,2% |
| Entergy New Orleans, LLC | LA | 1 155 | 264 | 164 | 7 951 121 | 0,142 | 78,6% |
| Baltimore Gas and Electric Company | MD | 6 706 | 1 489 | 925 | 31 931 445 | 0,138 | 54,4% |
| Consolidated Edison Company of New York, Inc. | NY | 5 130 | 835 | 519 | 18 360 112 | 0,101 | 40,9% |
| United Illuminating Company | CT | 1 216 | 180 | 112 | 5 183 873 | 0,092 | 48,7% |

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