DNSP 2025 Opex Cost Function - short period

LSECD short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .7309437 | .5958467 | .8660406 |
| 2.NZ | . | . | . |
| 3.Ontario | . | . | . |
| Total | .7309437 | .5958467 | .8660406 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5035467 | .3476351 | .6594582 |
| 2 | .5953124 | .4270949 | .7635298 |
| 3 | .6946394 | .5716152 | .8176635 |
| 4 | .6863357 | .552574 | .8200975 |
| 5 | .656143 | .5530441 | .7592419 |
| 6 | .5905541 | .4540381 | .72707 |
| 7 | .6862788 | .5339763 | .8385812 |
| 8 | .6646726 | .5411829 | .7881622 |
| 9 | 1 | 1 | 1 |
| 10 | .9072422 | .7480979 | 1.066386 |
| 11 | .7835632 | .6593835 | .9077429 |
| 12 | .8455579 | .6470559 | 1.04406 |
| 13 | .8884222 | .7103099 | 1.066535 |
| Total | .7309437 | .5958467 | .8660406 |

LSECD short Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.515 | 0.268 | 0.183 | 0.966 |
| 2.NZ | 0.515 | 0.268 | 0.183 | 0.966 |
| 3.Ontario | 0.515 | 0.268 | 0.183 | 0.966 |
| Total | 0.515 | 0.268 | 0.183 | 0.966 |

LSETLG short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .7224073 | .5783701 | .8664444 |
| 2.NZ | . | . | . |
| 3.Ontario | . | . | . |
| Total | .7224073 | .5783701 | .8664444 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5040412 | .3456352 | .6624472 |
| 2 | .5460575 | .3874861 | .7046289 |
| 3 | .7088713 | .5617453 | .8559974 |
| 4 | .697369 | .5591412 | .8355967 |
| 5 | .6190388 | .5149722 | .7231055 |
| 6 | .6910763 | .5041388 | .8780138 |
| 7 | .7922835 | .6030436 | .9815235 |
| 8 | .5604578 | .4287733 | .6921424 |
| 9 | 1 | 1 | 1 |
| 10 | .9478101 | .7865845 | 1.109036 |
| 11 | .7177616 | .6021371 | .8333862 |
| 12 | .8708216 | .667003 | 1.07464 |
| 13 | .7357057 | .5581512 | .91326 |
| Total | .7224073 | .5783701 | .8664444 |

LSETLG short Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.048 | 0.366 | 0.540 | 0.954 |
| 2.NZ | 0.611 | 0.327 | 0.006 | 0.944 |
| 3.Ontario | 0.209 | 0.208 | 0.545 | 0.962 |
| Total | 0.300 | 0.279 | 0.376 | 0.955 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.109 | 0.288 | 0.550 | 0.947 |
| 2 | -0.272 | 0.366 | 0.852 | 0.947 |
| 3 | -0.152 | 0.269 | 0.823 | 0.940 |
| 4 | -0.103 | 0.337 | 0.738 | 0.972 |
| 5 | -0.150 | 0.380 | 0.723 | 0.953 |
| 6 | 0.319 | 0.365 | 0.341 | 1.026 |
| 7 | 0.335 | 0.431 | 0.222 | 0.989 |
| 8 | -0.032 | 0.365 | 0.560 | 0.893 |
| 9 | 0.165 | 0.417 | 0.373 | 0.956 |
| 10 | 0.158 | 0.393 | 0.427 | 0.978 |
| 11 | 0.115 | 0.435 | 0.371 | 0.922 |
| 12 | 0.277 | 0.331 | 0.371 | 0.978 |
| 13 | -0.143 | 0.375 | 0.674 | 0.906 |
| Total | 0.048 | 0.366 | 0.540 | 0.954 |

LSETLG short Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 0.462 | 0.000 | 0.000 | 0.462 |
| 2.NZ | 0.053 | 0.000 | 0.563 | 0.615 |
| 3.Ontario | 0.127 | 0.000 | 0.000 | 0.127 |
| Total | 0.175 | 0.000 | 0.175 | 0.351 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 1.000 | 0.000 | 0.000 | 1.000 |
| 3 | 1.000 | 0.000 | 0.000 | 1.000 |
| 4 | 1.000 | 0.000 | 0.000 | 1.000 |
| 5 | 1.000 | 0.000 | 0.000 | 1.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 1.000 | 0.000 | 0.000 | 1.000 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 1.000 | 0.000 | 0.000 | 1.000 |
| Total | 0.462 | 0.000 | 0.000 | 0.462 |

SFACD short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .7435156 | .6995306 | .7920098 |
| 2.NZ | .7240198 | .6816923 | .7727091 |
| 3.Ontario | .7452713 | .7010672 | .7936916 |
| Total | .7382778 | .6947049 | .7867977 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5684125 | .5345339 | .6050425 |
| 2 | .6216986 | .5846441 | .6617625 |
| 3 | .7597763 | .7144921 | .8087383 |
| 4 | .7499013 | .7052056 | .7982268 |
| 5 | .6981985 | .6565844 | .7431922 |
| 6 | .6309035 | .5933004 | .6715606 |
| 7 | .6736076 | .6334593 | .7170167 |
| 8 | .634865 | .5970258 | .6757774 |
| 9 | .93115 | .8764356 | .992412 |
| 10 | .9515138 | .8983068 | 1.019115 |
| 11 | .7243796 | .6812051 | .7710605 |
| 12 | .8766392 | .8243912 | .9331343 |
| 13 | .8446566 | .7943134 | .8990885 |
| Total | .7435156 | .6995306 | .7920098 |

SFACD short Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.200 | 0.332 | 0.418 | 0.951 |
| 2.NZ | 0.200 | 0.332 | 0.418 | 0.951 |
| 3.Ontario | 0.200 | 0.332 | 0.418 | 0.951 |
| Total | 0.200 | 0.332 | 0.418 | 0.951 |

SFATLG short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .4238749 | .4026967 | .4483894 |
| 2.NZ | .5749109 | .5459533 | .6077539 |
| 3.Ontario | .6667961 | .6330866 | .7047356 |
| Total | .5864061 | .5568472 | .619897 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .4851335 | .4601702 | .5118279 |
| 2 | .0206358 | .0195739 | .0217712 |
| 3 | .24 | .2276504 | .253206 |
| 4 | .1077218 | .1021788 | .1136492 |
| 5 | .0567652 | .0538443 | .0598887 |
| 6 | .7065389 | .6701828 | .745416 |
| 7 | .9531004 | .9061016 | 1.008998 |
| 8 | .2673553 | .2535981 | .2820664 |
| 9 | .6003677 | .5694749 | .6334028 |
| 10 | .5584509 | .529715 | .5891796 |
| 11 | .4070222 | .3860782 | .4294185 |
| 12 | .9677834 | .9241682 | 1.033064 |
| 13 | .1394984 | .1323203 | .1471743 |
| Total | .4238749 | .4026967 | .4483894 |

SFATLG short Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | -1.212 | 1.305 | -0.393 | -0.300 |
| 2.NZ | 1.032 | 0.319 | 0.172 | 1.523 |
| 3.Ontario | -0.506 | 0.299 | 0.878 | 0.671 |
| Total | -0.177 | 0.520 | 0.387 | 0.730 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | -0.885 | 0.781 | 0.281 | 0.177 |
| 2 | -2.410 | 1.689 | -0.479 | -1.199 |
| 3 | -1.841 | 0.986 | 0.370 | -0.485 |
| 4 | -1.853 | 1.437 | -0.313 | -0.728 |
| 5 | -1.981 | 1.632 | -0.572 | -0.920 |
| 6 | -0.498 | 1.298 | -0.651 | 0.148 |
| 7 | -0.319 | 1.447 | -0.982 | 0.146 |
| 8 | -1.236 | 1.106 | -0.105 | -0.234 |
| 9 | -0.808 | 1.433 | -0.766 | -0.142 |
| 10 | -0.921 | 1.424 | -0.692 | -0.189 |
| 11 | -0.861 | 1.429 | -0.756 | -0.187 |
| 12 | -0.415 | 0.939 | -0.152 | 0.372 |
| 13 | -1.733 | 1.366 | -0.289 | -0.656 |
| Total | -1.212 | 1.305 | -0.393 | -0.300 |

SFATLG short Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 1.000 | 0.000 | 0.840 | 1.000 |
| 2.NZ | 0.158 | 0.178 | 0.235 | 0.466 |
| 3.Ontario | 0.719 | 0.332 | 0.034 | 0.889 |
| Total | 0.604 | 0.213 | 0.269 | 0.781 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 1.000 | 0.000 | 0.000 | 1.000 |
| 2 | 1.000 | 0.000 | 1.000 | 1.000 |
| 3 | 1.000 | 0.000 | 0.000 | 1.000 |
| 4 | 1.000 | 0.000 | 1.000 | 1.000 |
| 5 | 1.000 | 0.000 | 1.000 | 1.000 |
| 6 | 1.000 | 0.000 | 1.000 | 1.000 |
| 7 | 1.000 | 0.000 | 1.000 | 1.000 |
| 8 | 1.000 | 0.000 | 0.923 | 1.000 |
| 9 | 1.000 | 0.000 | 1.000 | 1.000 |
| 10 | 1.000 | 0.000 | 1.000 | 1.000 |
| 11 | 1.000 | 0.000 | 1.000 | 1.000 |
| 12 | 1.000 | 0.000 | 1.000 | 1.000 |
| 13 | 1.000 | 0.000 | 1.000 | 1.000 |
| Total | 1.000 | 0.000 | 0.840 | 1.000 |