DNSP 2025 Opex Cost Function - long period

LSECD long Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .7567539 | .603394 | .9101137 |
| 2.NZ | . | . | . |
| 3.Ontario | . | . | . |
| Total | .7567539 | .603394 | .9101137 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5295472 | .3743523 | .684742 |
| 2 | .59265 | .4104217 | .7748783 |
| 3 | .782536 | .6202564 | .9448156 |
| 4 | .6919894 | .542353 | .8416258 |
| 5 | .6890736 | .5683384 | .8098089 |
| 6 | .5554363 | .4238029 | .6870696 |
| 7 | .6785641 | .5163883 | .84074 |
| 8 | .7311756 | .5636846 | .8986666 |
| 9 | 1 | 1 | 1 |
| 10 | .9649751 | .7648503 | 1.1651 |
| 11 | .8329958 | .6785582 | .9874335 |
| 12 | .8656575 | .6592132 | 1.072102 |
| 13 | .9231997 | .721903 | 1.124496 |
| Total | .7567539 | .603394 | .9101137 |

LSECD long Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.518 | 0.229 | 0.216 | 0.963 |
| 2.NZ | 0.518 | 0.229 | 0.216 | 0.963 |
| 3.Ontario | 0.518 | 0.229 | 0.216 | 0.963 |
| Total | 0.518 | 0.229 | 0.216 | 0.963 |

LSETLG long Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .7189094 | .5625193 | .8752995 |
| 2.NZ | . | . | . |
| 3.Ontario | . | . | . |
| Total | .7189094 | .5625193 | .8752995 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .4886511 | .3422612 | .635041 |
| 2 | .547771 | .3693812 | .7261609 |
| 3 | .7201532 | .5552238 | .8850827 |
| 4 | .6777208 | .5259223 | .8295194 |
| 5 | .6525955 | .5267385 | .7784525 |
| 6 | .5758868 | .4132879 | .7384856 |
| 7 | .7277703 | .5380406 | .9174999 |
| 8 | .6012509 | .4377603 | .7647417 |
| 9 | 1 | 1 | 1 |
| 10 | .9699625 | .7720907 | 1.167834 |
| 11 | .7861903 | .6380699 | .9343107 |
| 12 | .8351794 | .6333972 | 1.036962 |
| 13 | .7626901 | .5605768 | .9648035 |
| Total | .7189094 | .5625193 | .8752995 |

LSETLG long Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.279 | 0.300 | 0.412 | 0.991 |
| 2.NZ | 0.653 | 0.237 | 0.055 | 0.946 |
| 3.Ontario | 0.200 | 0.200 | 0.544 | 0.944 |
| Total | 0.358 | 0.233 | 0.364 | 0.955 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.219 | 0.264 | 0.473 | 0.956 |
| 2 | 0.016 | 0.338 | 0.643 | 0.997 |
| 3 | -0.033 | 0.284 | 0.705 | 0.955 |
| 4 | 0.146 | 0.288 | 0.571 | 1.005 |
| 5 | 0.141 | 0.328 | 0.533 | 1.002 |
| 6 | 0.597 | 0.221 | 0.231 | 1.049 |
| 7 | 0.648 | 0.285 | 0.099 | 1.032 |
| 8 | 0.123 | 0.348 | 0.465 | 0.936 |
| 9 | 0.448 | 0.310 | 0.248 | 1.005 |
| 10 | 0.436 | 0.286 | 0.295 | 1.018 |
| 11 | 0.380 | 0.349 | 0.251 | 0.980 |
| 12 | 0.440 | 0.241 | 0.314 | 0.995 |
| 13 | 0.070 | 0.360 | 0.525 | 0.955 |
| Total | 0.279 | 0.300 | 0.412 | 0.991 |

LSETLG long Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 0.077 | 0.000 | 0.000 | 0.077 |
| 2.NZ | 0.000 | 0.000 | 0.355 | 0.355 |
| 3.Ontario | 0.103 | 0.000 | 0.000 | 0.103 |
| Total | 0.066 | 0.000 | 0.110 | 0.176 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 1.000 | 0.000 | 0.000 | 1.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | 0.077 | 0.000 | 0.000 | 0.077 |

SFACD long Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .7721434 | .7301069 | .8214985 |
| 2.NZ | .7360147 | .6961994 | .7842874 |
| 3.Ontario | .8129317 | .7680922 | .8640823 |
| Total | .7802813 | .7376041 | .8301529 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5515699 | .520588 | .5849122 |
| 2 | .6338344 | .5982316 | .6721495 |
| 3 | .9382761 | .8865443 | .9965609 |
| 4 | .7455338 | .7036568 | .7906011 |
| 5 | .7202863 | .6798275 | .7638274 |
| 6 | .584389 | .5515636 | .6197152 |
| 7 | .6043032 | .5703592 | .6408332 |
| 8 | .7415284 | .6998764 | .7863536 |
| 9 | .9646626 | .9171413 | 1.036072 |
| 10 | .9306167 | .8788414 | .9876487 |
| 11 | .7494167 | .7073216 | .7947187 |
| 12 | .9037613 | .8530237 | .9584324 |
| 13 | .9696853 | .924414 | 1.047655 |
| Total | .7721434 | .7301069 | .8214985 |

SFACD long Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.242 | 0.139 | 0.583 | 0.965 |
| 2.NZ | 0.242 | 0.139 | 0.583 | 0.965 |
| 3.Ontario | 0.242 | 0.139 | 0.583 | 0.965 |
| Total | 0.242 | 0.139 | 0.583 | 0.965 |

SFATLG long Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .685269 | .6497185 | .7279436 |
| 2.NZ | .6860308 | .650484 | .728664 |
| 3.Ontario | .7895713 | .7484836 | .8381073 |
| Total | .7350926 | .6969108 | .7805409 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5621457 | .5318667 | .5946298 |
| 2 | .251182 | .2376525 | .2656968 |
| 3 | .6859333 | .6489866 | .7255706 |
| 4 | .4428259 | .4189738 | .4684151 |
| 5 | .3837009 | .3630335 | .4058734 |
| 6 | .7766814 | .7348467 | .8215626 |
| 7 | .7776958 | .7358065 | .8226357 |
| 8 | .7330292 | .6935458 | .7753879 |
| 9 | .9593812 | .9117123 | 1.022099 |
| 10 | .9014493 | .8529055 | .9535562 |
| 11 | .7351709 | .6955721 | .7776535 |
| 12 | .9776555 | .9386626 | 1.066839 |
| 13 | .7216462 | .6827759 | .7633473 |
| Total | .685269 | .6497185 | .7279436 |

SFATLG long Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.071 | 0.425 | 0.127 | 0.623 |
| 2.NZ | 0.417 | 0.074 | 0.713 | 1.205 |
| 3.Ontario | 0.257 | 0.155 | 0.466 | 0.878 |
| Total | 0.267 | 0.187 | 0.471 | 0.925 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.296 | 0.240 | 0.223 | 0.759 |
| 2 | 0.049 | 0.533 | -0.257 | 0.325 |
| 3 | 0.291 | 0.304 | -0.072 | 0.523 |
| 4 | -0.106 | 0.522 | 0.055 | 0.471 |
| 5 | 0.007 | 0.525 | -0.106 | 0.425 |
| 6 | -0.556 | 0.616 | 0.710 | 0.771 |
| 7 | -0.246 | 0.541 | 0.502 | 0.797 |
| 8 | 0.635 | 0.199 | -0.192 | 0.641 |
| 9 | 0.004 | 0.461 | 0.232 | 0.698 |
| 10 | -0.168 | 0.522 | 0.314 | 0.668 |
| 11 | 0.300 | 0.364 | 0.023 | 0.687 |
| 12 | -0.061 | 0.382 | 0.503 | 0.824 |
| 13 | 0.481 | 0.313 | -0.286 | 0.507 |
| Total | 0.071 | 0.425 | 0.127 | 0.623 |

SFATLG long Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 0.449 | 0.000 | 0.433 | 0.826 |
| 2.NZ | 0.097 | 0.313 | 0.017 | 0.427 |
| 3.Ontario | 0.138 | 0.171 | 0.033 | 0.316 |
| Total | 0.192 | 0.179 | 0.113 | 0.459 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.105 | 0.000 | 1.000 | 1.000 |
| 3 | 0.000 | 0.000 | 1.000 | 1.000 |
| 4 | 1.000 | 0.000 | 0.211 | 1.000 |
| 5 | 0.421 | 0.000 | 1.000 | 1.000 |
| 6 | 1.000 | 0.000 | 0.000 | 1.000 |
| 7 | 1.000 | 0.000 | 0.000 | 1.000 |
| 8 | 0.000 | 0.000 | 1.000 | 1.000 |
| 9 | 0.474 | 0.000 | 0.000 | 0.474 |
| 10 | 1.000 | 0.000 | 0.000 | 1.000 |
| 11 | 0.000 | 0.000 | 0.421 | 0.421 |
| 12 | 0.842 | 0.000 | 0.000 | 0.842 |
| 13 | 0.000 | 0.000 | 1.000 | 1.000 |
| Total | 0.449 | 0.000 | 0.433 | 0.826 |