CMOS Opex Cost Function - short period

LSECD short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .4918735 | .342027 | .6417201 |
| 2 | .5924448 | .4260105 | .7588791 |
| 3 | .6992137 | .5784945 | .8199329 |
| 4 | .6848012 | .552964 | .8166383 |
| 5 | .6703508 | .5699917 | .7707099 |
| 6 | .6134913 | .4844898 | .7424927 |
| 7 | .6909107 | .5392429 | .8425785 |
| 8 | .6602738 | .5399982 | .7805493 |
| 9 | 1 | 1 | 1 |
| 10 | .915902 | .7568676 | 1.074937 |
| 11 | .8113821 | .6920824 | .9306817 |
| 12 | .855092 | .6569625 | 1.053222 |
| 13 | .8978241 | .7219436 | 1.073705 |
| Total | .7371969 | .6046981 | .8696958 |

LSECD short Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | 0.503 | 0.257 | 0.184 | 0.021 | 0.964 |
| 2.NZ | 0.503 | 0.257 | 0.184 | 0.021 | 0.964 |
| 3.Ontario | 0.503 | 0.257 | 0.184 | 0.021 | 0.964 |
| Total | 0.503 | 0.257 | 0.184 | 0.021 | 0.964 |

LSETLG short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5292272 | .3719318 | .6865226 |
| 2 | .5483023 | .3965287 | .7000759 |
| 3 | .7830523 | .6205269 | .9455776 |
| 4 | .7195992 | .5841329 | .8550655 |
| 5 | .629204 | .5302552 | .7281529 |
| 6 | .7552538 | .5700489 | .9404587 |
| 7 | .8007573 | .6185421 | .9829724 |
| 8 | .5867383 | .4509755 | .7225012 |
| 9 | 1 | 1 | 1 |
| 10 | .9683189 | .8141379 | 1.1225 |
| 11 | .7334253 | .6273164 | .8395342 |
| 12 | .932366 | .7266437 | 1.138088 |
| 13 | .7698045 | .5901037 | .9495052 |
| Total | .7504653 | .6077803 | .8931503 |

LSETLG short Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | -0.079 | 0.336 | 0.636 | 0.027 | 0.919 |
| 2.NZ | 0.556 | 0.308 | 0.043 | 0.027 | 0.935 |
| 3.Ontario | 0.238 | 0.188 | 0.527 | 0.014 | 0.966 |
| Total | 0.269 | 0.257 | 0.399 | 0.021 | 0.946 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| dnsp |  |  |  |  |  |
| 1 | 0.100 | 0.250 | 0.562 | 0.013 | 0.925 |
| 2 | -0.418 | 0.334 | 0.967 | 0.020 | 0.903 |
| 3 | -0.151 | 0.225 | 0.838 | 0.005 | 0.916 |
| 4 | -0.223 | 0.307 | 0.828 | 0.027 | 0.939 |
| 5 | -0.300 | 0.347 | 0.836 | 0.025 | 0.909 |
| 6 | 0.139 | 0.351 | 0.454 | 0.055 | 0.998 |
| 7 | 0.118 | 0.413 | 0.367 | 0.051 | 0.948 |
| 8 | -0.109 | 0.326 | 0.636 | 0.004 | 0.857 |
| 9 | -0.014 | 0.390 | 0.503 | 0.035 | 0.915 |
| 10 | -0.015 | 0.368 | 0.548 | 0.040 | 0.941 |
| 11 | -0.073 | 0.410 | 0.514 | 0.027 | 0.878 |
| 12 | 0.171 | 0.310 | 0.442 | 0.034 | 0.958 |
| 13 | -0.251 | 0.337 | 0.770 | 0.009 | 0.865 |
| Total | -0.079 | 0.336 | 0.636 | 0.027 | 0.919 |

LSETLG short Monotonicity Violations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| Country code |  |  |  |  |  |
| 1.Aust | 0.654 | 0.000 | 0.000 | 0.000 | 0.654 |
| 2.NZ | 0.053 | 0.000 | 0.513 | 0.000 | 0.566 |
| 3.Ontario | 0.141 | 0.000 | 0.000 | 0.003 | 0.144 |
| Total | 0.223 | 0.000 | 0.160 | 0.001 | 0.384 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| dnsp |  |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 3 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 4 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 5 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 9 | 0.667 | 0.000 | 0.000 | 0.000 | 0.667 |
| 10 | 0.833 | 0.000 | 0.000 | 0.000 | 0.833 |
| 11 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| Total | 0.654 | 0.000 | 0.000 | 0.000 | 0.654 |

SFACD short Efficiency Scores

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| dnsp |  |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 3 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 4 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 5 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 9 | 0.667 | 0.000 | 0.000 | 0.000 | 0.667 |
| 10 | 0.833 | 0.000 | 0.000 | 0.000 | 0.833 |
| 11 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| Total | 0.654 | 0.000 | 0.000 | 0.000 | 0.654 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .7593836 | .7144181 | .810141 |
| 2.NZ | .7448426 | .7010182 | .7958375 |
| 3.Ontario | .7686617 | .7228043 | .8194335 |
| Total | .7592654 | .7142312 | .8101036 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .549319 | .5162734 | .5850754 |
| 2 | .630861 | .5929102 | .6719252 |
| 3 | .778863 | .7320086 | .8295609 |
| 4 | .7512302 | .7060382 | .8001294 |
| 5 | .7127399 | .6698633 | .7591337 |
| 6 | .6434368 | .6047294 | .6853195 |
| 7 | .6826121 | .6415479 | .7270448 |
| 8 | .6566795 | .6171754 | .6994242 |
| 9 | .9555184 | .9027559 | 1.026492 |
| 10 | .9548509 | .9019319 | 1.025368 |
| 11 | .7582365 | .7126231 | .8075918 |
| 12 | .9033332 | .8490505 | .9622207 |
| 13 | .8943064 | .840528 | .9525486 |
| Total | .7593836 | .7144181 | .810141 |

SFACD short Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | 0.248 | 0.272 | 0.400 | 0.031 | 0.952 |
| 2.NZ | 0.248 | 0.272 | 0.400 | 0.031 | 0.952 |
| 3.Ontario | 0.248 | 0.272 | 0.400 | 0.031 | 0.952 |
| Total | 0.248 | 0.272 | 0.400 | 0.031 | 0.952 |

SFATLG short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5636961 | .5332892 | .596321 |
| 2 | .092115 | .0871461 | .0974463 |
| 3 | .5037107 | .4765394 | .5328638 |
| 4 | .2680146 | .2535573 | .2835264 |
| 5 | .16911 | .1599879 | .1788976 |
| 6 | .8531741 | .807152 | .902553 |
| 7 | .9345334 | .8846583 | .9894562 |
| 8 | .4275773 | .4045128 | .452324 |
| 9 | .7086189 | .6703945 | .7496315 |
| 10 | .7541141 | .7134355 | .7977597 |
| 11 | .5083538 | .480932 | .5377756 |
| 12 | .9745083 | .9331362 | 1.055901 |
| 13 | .3190485 | .3018383 | .337514 |
| Total | .5443519 | .5158907 | .5778438 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_ub | eff\_lb |
| Country code |  |  |  |
| 1.Aust | .5443519 | .5778438 | .5158907 |
| 2.NZ | .673599 | .7141273 | .6379373 |
| 3.Ontario | .7080004 | .7503765 | .6705052 |
| Total | .6624093 | .7023165 | .6274105 |

SFATLG short Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | -0.929 | 0.858 | 0.201 | 0.065 | 0.195 |
| 2.NZ | 0.785 | 0.396 | 0.048 | 0.057 | 1.287 |
| 3.Ontario | 0.097 | 0.155 | 0.596 | 0.010 | 0.858 |
| Total | 0.093 | 0.380 | 0.341 | 0.036 | 0.850 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| dnsp |  |  |  |  |  |
| 1 | -0.407 | 0.439 | 0.429 | 0.050 | 0.511 |
| 2 | -1.692 | 0.967 | 0.330 | 0.056 | -0.339 |
| 3 | -0.956 | 0.434 | 0.607 | 0.037 | 0.123 |
| 4 | -1.352 | 0.894 | 0.371 | 0.055 | -0.032 |
| 5 | -1.490 | 1.000 | 0.245 | 0.067 | -0.178 |
| 6 | -0.820 | 1.123 | 0.117 | 0.077 | 0.497 |
| 7 | -0.744 | 1.206 | -0.116 | 0.095 | 0.442 |
| 8 | -0.615 | 0.562 | 0.202 | 0.055 | 0.203 |
| 9 | -0.850 | 1.040 | -0.009 | 0.083 | 0.265 |
| 10 | -0.961 | 1.058 | 0.082 | 0.079 | 0.258 |
| 11 | -0.749 | 0.972 | -0.086 | 0.077 | 0.214 |
| 12 | -0.385 | 0.739 | 0.212 | 0.058 | 0.623 |
| 13 | -1.055 | 0.725 | 0.229 | 0.057 | -0.045 |
| Total | -0.929 | 0.858 | 0.201 | 0.065 | 0.195 |

SFATLG short Monotonicity Violations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| Country code |  |  |  |  |  |
| 1.Aust | 1.000 | 0.000 | 0.199 | 0.000 | 1.000 |
| 2.NZ | 0.158 | 0.000 | 0.364 | 0.000 | 0.469 |
| 3.Ontario | 0.322 | 0.339 | 0.000 | 0.287 | 0.701 |
| Total | 0.415 | 0.161 | 0.156 | 0.137 | 0.693 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| dnsp |  |  |  |  |  |
| 1 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 2 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 3 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 4 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 5 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 6 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 7 | 1.000 | 0.000 | 1.000 | 0.000 | 1.000 |
| 8 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 9 | 1.000 | 0.000 | 0.583 | 0.000 | 1.000 |
| 10 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 11 | 1.000 | 0.000 | 1.000 | 0.000 | 1.000 |
| 12 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 13 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| Total | 1.000 | 0.000 | 0.199 | 0.000 | 1.000 |