CMOS Opex Cost Function - long period

LSECD long Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5104001 | .3719072 | .6488931 |
| 2 | .5850524 | .4165004 | .7536042 |
| 3 | .7805143 | .6316684 | .9293602 |
| 4 | .6823646 | .5452127 | .8195166 |
| 5 | .6971937 | .5849088 | .8094785 |
| 6 | .5712194 | .4517473 | .6906915 |
| 7 | .6784154 | .5271056 | .8297251 |
| 8 | .7269353 | .5717053 | .8821652 |
| 9 | 1 | 1 | 1 |
| 10 | .9651973 | .7778506 | 1.152544 |
| 11 | .8561007 | .7134389 | .9987625 |
| 12 | .8676522 | .6772689 | 1.058036 |
| 13 | .9309893 | .7430136 | 1.118965 |
| Total | .7578488 | .6163329 | .8993647 |

LSECD long Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | 0.521 | 0.213 | 0.211 | 0.018 | 0.962 |
| 2.NZ | 0.521 | 0.213 | 0.211 | 0.018 | 0.962 |
| 3.Ontario | 0.521 | 0.213 | 0.211 | 0.018 | 0.962 |
| Total | 0.521 | 0.213 | 0.211 | 0.018 | 0.962 |

LSETLG long Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .4887381 | .3513223 | .6261538 |
| 2 | .5333182 | .369448 | .6971884 |
| 3 | .7502757 | .5821636 | .9183877 |
| 4 | .6758751 | .5339165 | .8178336 |
| 5 | .6514013 | .5338082 | .7689943 |
| 6 | .6142681 | .4543299 | .7742063 |
| 7 | .733794 | .5535117 | .9140763 |
| 8 | .6047372 | .4454901 | .7639842 |
| 9 | 1 | 1 | 1 |
| 10 | .9778615 | .7898996 | 1.165823 |
| 11 | .7921764 | .6561191 | .9282336 |
| 12 | .8604807 | .6660377 | 1.054924 |
| 13 | .7692898 | .5728112 | .9657685 |
| Total | .7270935 | .5776045 | .8765826 |

LSETLG long Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | 0.200 | 0.294 | 0.472 | 0.006 | 0.972 |
| 2.NZ | 0.637 | 0.225 | 0.069 | 0.016 | 0.947 |
| 3.Ontario | 0.226 | 0.185 | 0.525 | 0.014 | 0.950 |
| Total | 0.348 | 0.221 | 0.372 | 0.013 | 0.954 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| dnsp |  |  |  |  |  |
| 1 | 0.223 | 0.250 | 0.476 | 0.001 | 0.950 |
| 2 | -0.088 | 0.334 | 0.722 | 0.000 | 0.968 |
| 3 | -0.031 | 0.268 | 0.713 | -0.005 | 0.945 |
| 4 | 0.069 | 0.283 | 0.629 | 0.006 | 0.986 |
| 5 | 0.041 | 0.324 | 0.608 | 0.002 | 0.975 |
| 6 | 0.495 | 0.222 | 0.297 | 0.022 | 1.037 |
| 7 | 0.519 | 0.287 | 0.189 | 0.016 | 1.010 |
| 8 | 0.069 | 0.336 | 0.514 | -0.003 | 0.916 |
| 9 | 0.340 | 0.306 | 0.328 | 0.009 | 0.983 |
| 10 | 0.332 | 0.284 | 0.371 | 0.011 | 0.998 |
| 11 | 0.260 | 0.345 | 0.342 | 0.006 | 0.953 |
| 12 | 0.383 | 0.235 | 0.354 | 0.015 | 0.987 |
| 13 | -0.008 | 0.350 | 0.591 | -0.004 | 0.929 |
| Total | 0.200 | 0.294 | 0.472 | 0.006 | 0.972 |

LSETLG long Monotonicity Violations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| Country code |  |  |  |  |  |
| 1.Aust | 0.214 | 0.000 | 0.000 | 0.295 | 0.346 |
| 2.NZ | 0.000 | 0.000 | 0.354 | 0.029 | 0.380 |
| 3.Ontario | 0.088 | 0.000 | 0.000 | 0.002 | 0.090 |
| Total | 0.087 | 0.000 | 0.110 | 0.073 | 0.235 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| dnsp |  |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.389 | 0.389 |
| 2 | 1.000 | 0.000 | 0.000 | 0.389 | 1.000 |
| 3 | 1.000 | 0.000 | 0.000 | 1.000 | 1.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.167 | 0.167 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.944 | 0.944 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.778 | 0.000 | 0.000 | 0.944 | 1.000 |
| Total | 0.214 | 0.000 | 0.000 | 0.295 | 0.346 |

SFACD long Efficiency Scores

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| dnsp |  |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.389 | 0.389 |
| 2 | 1.000 | 0.000 | 0.000 | 0.389 | 1.000 |
| 3 | 1.000 | 0.000 | 0.000 | 1.000 | 1.000 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.167 | 0.167 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.944 | 0.944 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.778 | 0.000 | 0.000 | 0.944 | 1.000 |
| Total | 0.214 | 0.000 | 0.000 | 0.295 | 0.346 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| Country code |  |  |  |
| 1.Aust | .766581 | .7249513 | .8162312 |
| 2.NZ | .7512184 | .7104752 | .8005573 |
| 3.Ontario | .8206267 | .7753446 | .8725615 |
| Total | .7874898 | .7443998 | .8381292 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .523013 | .493575 | .5546986 |
| 2 | .616752 | .5820377 | .6541165 |
| 3 | .912888 | .8615887 | .9683158 |
| 4 | .7260116 | .6851476 | .7699955 |
| 5 | .7121516 | .6720678 | .7552958 |
| 6 | .5862814 | .5532823 | .6218001 |
| 7 | .6047496 | .570711 | .641387 |
| 8 | .7402593 | .6985936 | .7851064 |
| 9 | .9688181 | .9230448 | 1.045723 |
| 10 | .928556 | .8767096 | .9854576 |
| 11 | .7668291 | .7236677 | .8132858 |
| 12 | .9076537 | .856611 | .9627074 |
| 13 | .9715891 | .9273297 | 1.053116 |
| Total | .766581 | .7249513 | .8162312 |

SFACD long Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | 0.272 | 0.114 | 0.546 | 0.030 | 0.961 |
| 2.NZ | 0.272 | 0.114 | 0.546 | 0.030 | 0.961 |
| 3.Ontario | 0.272 | 0.114 | 0.546 | 0.030 | 0.961 |
| Total | 0.272 | 0.114 | 0.546 | 0.030 | 0.961 |

SFATLG long Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_lb | eff\_ub |
| dnsp |  |  |  |
| 1 | .5540035 | .5238349 | .5863952 |
| 2 | .3085128 | .2917125 | .326551 |
| 3 | .7634369 | .7218633 | .8080737 |
| 4 | .494467 | .4675404 | .5233776 |
| 5 | .4463592 | .4220524 | .4724571 |
| 6 | .7771767 | .7348549 | .8226169 |
| 7 | .7404448 | .7001234 | .7837374 |
| 8 | .78213 | .7395386 | .8278598 |
| 9 | .9659896 | .9199596 | 1.035369 |
| 10 | .9148834 | .8651361 | .9684825 |
| 11 | .7585555 | .7172478 | .802907 |
| 12 | .9768125 | .9369194 | 1.065336 |
| 13 | .8177329 | .7732027 | .8655444 |
| Total | .7154235 | .6779989 | .7606698 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | eff | eff\_ub | eff\_lb |
| Country code |  |  |  |
| 1.Aust | .7154235 | .7606698 | .6779989 |
| 2.NZ | .7128712 | .7578884 | .6756279 |
| 3.Ontario | .8012813 | .851402 | .7591912 |
| Total | .7554461 | .8029385 | .71586 |

SFATLG long Elasticities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| Country code |  |  |  |  |  |
| 1.Aust | 0.134 | 0.316 | 0.214 | 0.032 | 0.695 |
| 2.NZ | 0.416 | 0.037 | 0.652 | 0.036 | 1.142 |
| 3.Ontario | 0.373 | 0.122 | 0.384 | 0.014 | 0.893 |
| Total | 0.336 | 0.137 | 0.431 | 0.025 | 0.929 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | ely4 | elY |
| dnsp |  |  |  |  |  |
| 1 | 0.424 | 0.152 | 0.210 | 0.011 | 0.797 |
| 2 | 0.154 | 0.400 | -0.114 | 0.023 | 0.464 |
| 3 | 0.467 | 0.203 | -0.057 | -0.001 | 0.611 |
| 4 | -0.010 | 0.403 | 0.157 | 0.030 | 0.581 |
| 5 | 0.094 | 0.392 | 0.028 | 0.029 | 0.543 |
| 6 | -0.559 | 0.510 | 0.804 | 0.068 | 0.824 |
| 7 | -0.277 | 0.423 | 0.626 | 0.065 | 0.837 |
| 8 | 0.724 | 0.107 | -0.140 | 0.008 | 0.699 |
| 9 | 0.013 | 0.347 | 0.350 | 0.046 | 0.755 |
| 10 | -0.147 | 0.406 | 0.426 | 0.049 | 0.735 |
| 11 | 0.302 | 0.258 | 0.143 | 0.039 | 0.742 |
| 12 | -0.024 | 0.302 | 0.535 | 0.042 | 0.855 |
| 13 | 0.575 | 0.202 | -0.191 | 0.012 | 0.597 |
| Total | 0.134 | 0.316 | 0.214 | 0.032 | 0.695 |

SFATLG long Monotonicity Violations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| Country code |  |  |  |  |  |
| 1.Aust | 0.380 | 0.000 | 0.333 | 0.060 | 0.714 |
| 2.NZ | 0.082 | 0.342 | 0.000 | 0.000 | 0.424 |
| 3.Ontario | 0.103 | 0.170 | 0.002 | 0.044 | 0.285 |
| Total | 0.156 | 0.188 | 0.072 | 0.034 | 0.420 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | mon4 | montot |
| dnsp |  |  |  |  |  |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.000 | 1.000 | 0.000 | 1.000 |
| 3 | 0.000 | 0.000 | 1.000 | 0.778 | 1.000 |
| 4 | 0.722 | 0.000 | 0.000 | 0.000 | 0.722 |
| 5 | 0.000 | 0.000 | 0.333 | 0.000 | 0.333 |
| 6 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 7 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 8 | 0.000 | 0.000 | 1.000 | 0.000 | 1.000 |
| 9 | 0.500 | 0.000 | 0.000 | 0.000 | 0.500 |
| 10 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.722 | 0.000 | 0.000 | 0.000 | 0.722 |
| 13 | 0.000 | 0.000 | 1.000 | 0.000 | 1.000 |
| Total | 0.380 | 0.000 | 0.333 | 0.060 | 0.714 |