

|            | NYISO UPV |        |        |        |        |        |        |        |        |        |        | NYISO LBW |        |        |        |        |        |        |        |        |        |        | NYISO OSW |        |  |
|------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|--|
|            | UPV_ZA    | UPV_ZB | UPV_ZC | UPV_ZD | UPV_ZE | UPV_ZF | UPV_ZG | UPV_ZH | UPV_ZI | UPV_ZJ | UPV_ZK | LBW_ZA    | LBW_ZB | LBW_ZC | LBW_ZD | LBW_ZE | LBW_ZF | LBW_ZG | LBW_ZH | LBW_ZI | LBW_ZJ | LBW_ZK | OSW_ZI    | OSW_ZK |  |
| 2000       | 0.216     | 0.215  | 0.215  | 0.218  | 0.217  | 0.220  | 0.225  | 0.230  | 0.233  | 0.230  | 0.238  | 0.334     | 0.318  | 0.307  | 0.280  | 0.320  | 0.334  | 0.361  | 0.385  | 0.307  |        | 0.244  | 0.476     | 0.471  |  |
| 2001       | 0.221     | 0.224  | 0.232  | 0.235  | 0.232  | 0.241  | 0.238  | 0.241  | 0.241  | 0.240  | 0.247  | 0.344     | 0.321  | 0.298  | 0.269  | 0.310  | 0.310  | 0.334  | 0.355  | 0.271  |        | 0.211  | 0.444     | 0.436  |  |
| 2002       | 0.218     | 0.218  | 0.220  | 0.226  | 0.222  | 0.229  | 0.233  | 0.236  | 0.238  | 0.238  | 0.244  | 0.370     | 0.350  | 0.324  | 0.303  | 0.346  | 0.335  | 0.362  | 0.383  | 0.305  |        | 0.242  | 0.482     | 0.474  |  |
| 2003       | 0.210     | 0.212  | 0.212  | 0.228  | 0.215  | 0.218  | 0.213  | 0.211  | 0.217  | 0.215  | 0.221  | 0.339     | 0.319  | 0.301  | 0.273  | 0.315  | 0.321  | 0.344  | 0.373  | 0.298  |        | 0.242  | 0.482     | 0.475  |  |
| 2004       | 0.205     | 0.206  | 0.210  | 0.230  | 0.218  | 0.224  | 0.226  | 0.225  | 0.230  | 0.229  | 0.234  | 0.339     | 0.320  | 0.301  | 0.279  | 0.314  | 0.326  | 0.345  | 0.364  | 0.287  |        | 0.228  | 0.462     | 0.459  |  |
| 2005       | 0.232     | 0.233  | 0.233  | 0.238  | 0.236  | 0.239  | 0.237  | 0.234  | 0.239  | 0.236  | 0.240  | 0.313     | 0.290  | 0.275  | 0.254  | 0.291  | 0.307  | 0.325  | 0.356  | 0.279  |        | 0.230  | 0.459     | 0.455  |  |
| 2006       | 0.220     | 0.221  | 0.220  | 0.222  | 0.222  | 0.225  | 0.231  | 0.234  | 0.241  | 0.238  | 0.244  | 0.349     | 0.332  | 0.314  | 0.297  | 0.329  | 0.332  | 0.362  | 0.388  | 0.304  |        | 0.240  | 0.480     | 0.475  |  |
| 2007       | 0.234     | 0.236  | 0.236  | 0.242  | 0.237  | 0.242  | 0.241  | 0.242  | 0.246  | 0.243  | 0.252  | 0.346     | 0.325  | 0.300  | 0.283  | 0.317  | 0.329  | 0.354  | 0.367  | 0.291  |        | 0.238  | 0.473     | 0.470  |  |
| 2008       | 0.227     | 0.227  | 0.226  | 0.233  | 0.231  | 0.235  | 0.236  | 0.238  | 0.242  | 0.240  | 0.246  | 0.346     | 0.321  | 0.294  | 0.264  | 0.308  | 0.309  | 0.329  | 0.357  | 0.280  |        | 0.228  | 0.451     | 0.446  |  |
| 2009       | 0.225     | 0.226  | 0.224  | 0.229  | 0.225  | 0.228  | 0.223  | 0.224  | 0.227  | 0.222  | 0.229  | 0.326     | 0.304  | 0.290  | 0.260  | 0.299  | 0.312  | 0.339  | 0.368  | 0.292  |        | 0.237  | 0.476     | 0.470  |  |
| 2010       | 0.224     | 0.224  | 0.224  | 0.225  | 0.224  | 0.230  | 0.232  | 0.235  | 0.240  | 0.241  | 0.246  | 0.339     | 0.325  | 0.308  | 0.281  | 0.315  | 0.356  | 0.380  | 0.408  | 0.325  |        | 0.257  | 0.494     | 0.490  |  |
| 2011       | 0.212     | 0.213  | 0.213  | 0.221  | 0.215  | 0.220  | 0.221  | 0.224  | 0.230  | 0.231  | 0.238  | 0.337     | 0.315  | 0.297  | 0.261  | 0.310  | 0.319  | 0.343  | 0.369  | 0.283  |        | 0.228  | 0.449     | 0.446  |  |
| 2012       | 0.231     | 0.230  | 0.229  | 0.237  | 0.231  | 0.236  | 0.234  | 0.235  | 0.236  | 0.236  | 0.241  | 0.330     | 0.316  | 0.292  | 0.263  | 0.303  | 0.305  | 0.329  | 0.343  | 0.264  |        | 0.206  | 0.428     | 0.420  |  |
| 2013       | 0.224     | 0.225  | 0.223  | 0.229  | 0.226  | 0.233  | 0.235  | 0.238  | 0.239  | 0.238  | 0.243  | 0.353     | 0.328  | 0.305  | 0.279  | 0.318  | 0.321  | 0.347  | 0.368  | 0.286  |        | 0.237  | 0.486     | 0.480  |  |
| 2014       | 0.224     | 0.225  | 0.226  | 0.233  | 0.229  | 0.236  | 0.234  | 0.238  | 0.240  | 0.238  | 0.245  | 0.359     | 0.339  | 0.323  | 0.297  | 0.336  | 0.342  | 0.357  | 0.372  | 0.294  |        | 0.239  | 0.457     | 0.446  |  |
| 2015       | 0.231     | 0.232  | 0.233  | 0.244  | 0.238  | 0.247  | 0.242  | 0.244  | 0.244  | 0.242  | 0.249  | 0.339     | 0.321  | 0.299  | 0.286  | 0.320  | 0.323  | 0.339  | 0.358  | 0.284  |        | 0.223  | 0.450     | 0.443  |  |
| 2016       | 0.241     | 0.241  | 0.239  | 0.246  | 0.242  | 0.247  | 0.247  | 0.249  | 0.251  | 0.247  | 0.252  | 0.348     | 0.327  | 0.305  | 0.281  | 0.319  | 0.321  | 0.346  | 0.370  | 0.294  |        | 0.236  | 0.467     | 0.463  |  |
| 2017       | 0.220     | 0.222  | 0.224  | 0.230  | 0.226  | 0.230  | 0.230  | 0.232  | 0.233  | 0.231  | 0.236  | 0.357     | 0.331  | 0.311  | 0.286  | 0.325  | 0.330  | 0.352  | 0.370  | 0.292  |        | 0.232  | 0.478     | 0.477  |  |
| 2018       | 0.216     | 0.215  | 0.215  | 0.230  | 0.217  | 0.220  | 0.213  | 0.214  | 0.218  | 0.221  | 0.226  | 0.338     | 0.315  | 0.302  | 0.271  | 0.314  | 0.322  | 0.346  | 0.364  | 0.290  |        | 0.236  | 0.479     | 0.472  |  |
| 2019       | 0.219     | 0.218  | 0.219  | 0.233  | 0.224  | 0.232  | 0.230  | 0.231  | 0.235  | 0.236  | 0.243  | 0.353     | 0.332  | 0.312  | 0.283  | 0.325  | 0.326  | 0.351  | 0.369  | 0.294  |        | 0.236  | 0.466     | 0.458  |  |
| 2020       | 0.231     | 0.231  | 0.232  | 0.234  | 0.235  | 0.242  | 0.237  | 0.235  | 0.236  | 0.236  | 0.240  | 0.347     | 0.328  | 0.305  | 0.293  | 0.326  | 0.325  | 0.343  | 0.367  | 0.284  |        | 0.226  | 0.458     | 0.454  |  |
| 2021       | 0.223     | 0.221  | 0.219  | 0.228  | 0.220  | 0.225  | 0.225  | 0.225  | 0.231  | 0.232  | 0.239  | 0.315     | 0.298  | 0.283  | 0.260  | 0.293  | 0.305  | 0.329  | 0.346  | 0.284  |        | 0.227  | 0.456     | 0.449  |  |
| 2022       | 0.228     | 0.230  | 0.230  | 0.236  | 0.234  | 0.242  | 0.240  | 0.242  | 0.246  | 0.246  | 0.252  | 0.350     | 0.328  | 0.309  | 0.276  | 0.320  | 0.323  | 0.346  | 0.373  | 0.293  |        | 0.235  |           |        |  |
| Max        | 0.241     | 0.241  | 0.239  | 0.246  | 0.242  | 0.247  | 0.247  | 0.249  | 0.251  | 0.247  | 0.252  | 0.370     | 0.350  | 0.324  | 0.303  | 0.346  | 0.356  | 0.380  | 0.408  | 0.325  |        | 0.257  | 0.494     | 0.490  |  |
| Avg        | 0.223     | 0.224  | 0.224  | 0.232  | 0.227  | 0.232  | 0.231  | 0.233  | 0.236  | 0.235  | 0.241  | 0.342     | 0.322  | 0.302  | 0.277  | 0.316  | 0.323  | 0.346  | 0.368  | 0.290  |        | 0.233  | 0.466     | 0.460  |  |
| Min        | 0.205     | 0.206  | 0.210  | 0.218  | 0.215  | 0.218  | 0.213  | 0.211  | 0.217  | 0.215  | 0.221  | 0.313     | 0.290  | 0.275  | 0.254  | 0.291  | 0.303  | 0.325  | 0.343  | 0.264  |        | 0.206  | 0.428     | 0.420  |  |
| Spread     | 0.036     | 0.035  | 0.028  | 0.028  | 0.027  | 0.029  | 0.035  | 0.038  | 0.034  | 0.032  | 0.031  | 0.057     | 0.060  | 0.048  | 0.049  | 0.055  | 0.052  | 0.055  | 0.065  | 0.061  |        | 0.051  | 0.066     | 0.071  |  |
| Spread/Avg | 16.0%     | 15.7%  | 12.6%  | 12.3%  | 12.1%  | 12.6%  | 14.9%  | 16.1%  | 14.2%  | 13.7%  | 13.0%  | 16.6%     | 18.8%  | 16.0%  | 17.6%  | 17.3%  | 16.1%  | 15.8%  | 17.7%  | 21.0%  |        | 21.9%  | 14.1%     | 15.3%  |  |

| Year | Month | NYISO UPV |        |        |        |        |        |        |        |        |        |        | NYISO LBW |        |        |        |        |        |        |        |        |        |        | NYISO OSW |        |
|------|-------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|
|      |       | UPV_ZA    | UPV_ZB | UPV_ZC | UPV_ZD | UPV_ZE | UPV_ZF | UPV_ZG | UPV_ZH | UPV_ZI | UPV_ZJ | UPV_ZK | LBW_ZA    | LBW_ZB | LBW_ZC | LBW_ZD | LBW_ZE | LBW_ZF | LBW_ZG | LBW_ZH | LBW_ZI | LBW_ZJ | LBW_ZK | OSW_ZI    | OSW_ZK |
| 2000 | 1     | 0.101     | 0.106  | 0.105  | 0.110  | 0.112  | 0.124  | 0.137  | 0.144  | 0.144  | 0.141  | 0.139  | 0.477     | 0.460  | 0.470  | 0.435  | 0.449  | 0.505  | 0.569  | 0.595  | 0.487  |        | 0.389  | 0.639     | 0.620  |
| 2000 | 2     | 0.139     | 0.140  | 0.143  | 0.160  | 0.147  | 0.159  | 0.173  | 0.182  | 0.186  | 0.186  | 0.194  | 0.440     | 0.421  | 0.409  | 0.352  | 0.408  | 0.422  | 0.445  | 0.470  | 0.364  |        | 0.277  | 0.533     | 0.535  |
| 2000 | 3     | 0.206     | 0.200  | 0.211  | 0.233  | 0.221  | 0.230  | 0.239  | 0.241  | 0.250  | 0.263  | 0.275  | 0.399     | 0.403  | 0.373  | 0.318  | 0.379  | 0.401  | 0.443  | 0.481  | 0.375  |        | 0.295  | 0.558     | 0.549  |
| 2000 | 4     | 0.253     | 0.241  | 0.244  | 0.248  | 0.241  | 0.242  | 0.244  | 0.241  | 0.235  | 0.235  | 0.238  | 0.299     | 0.281  | 0.313  | 0.275  | 0.331  | 0.354  | 0.409  | 0.466  | 0.398  |        | 0.320  | 0.556     | 0.556  |
| 2000 | 5     | 0.292     | 0.287  | 0.291  | 0.289  | 0.294  | 0.297  | 0.297  | 0.306  | 0.300  | 0.290  | 0.301  | 0.363     | 0.357  | 0.305  | 0.278  | 0.338  | 0.325  | 0.331  | 0.326  | 0.258  |        | 0.186  | 0.451     | 0.462  |
| 2000 | 6     | 0.304     | 0.300  | 0.287  | 0.312  | 0.294  | 0.284  | 0.293  | 0.299  | 0.313  | 0.317  | 0.328  | 0.337     | 0.312  | 0.276  | 0.258  | 0.311  | 0.291  | 0.310  | 0.299  | 0.253  |        | 0.220  | 0.520     | 0.520  |
| 2000 | 7     | 0.345     | 0.345  | 0.339  | 0.336  | 0.331  | 0.322  | 0.320  | 0.314  | 0.318  | 0.309  | 0.317  | 0.161     | 0.153  | 0.156  | 0.181  | 0.192  | 0.198  | 0.200  | 0.211  | 0.186  |        | 0.137  | 0.279     | 0.278  |
| 2000 | 8     | 0.309     | 0.305  | 0.312  | 0.295  | 0.307  | 0.308  | 0.289  | 0.286  | 0.279  | 0.269  | 0.280  | 0.206     | 0.186  | 0.183  | 0.186  | 0.210  | 0.205  | 0.217  | 0.230  | 0.200  |        | 0.156  | 0.351     | 0.327  |
| 2000 | 9     | 0.266     | 0.263  | 0.264  | 0.266  | 0.261  | 0.252  | 0.259  | 0.259  | 0.266  | 0.265  | 0.273  | 0.300     | 0.283  | 0.262  | 0.257  | 0.298  | 0.251  | 0.270  | 0.280  | 0.200  |        | 0.161  | 0.351     | 0.348  |
| 2000 | 10    | 0.187     | 0.188  | 0.186  | 0.163  | 0.183  | 0.187  | 0.198  | 0.212  | 0.219  | 0.215  | 0.217  | 0.286     | 0.273  | 0.258  | 0.267  | 0.300  | 0.315  | 0.328  | 0.347  | 0.276  |        | 0.224  | 0.440     | 0.418  |
| 2000 | 11    | 0.098     | 0.101  | 0.104  | 0.100  | 0.108  | 0.120  | 0.131  | 0.151  | 0.144  | 0.140  | 0.157  | 0.361     | 0.323  | 0.315  | 0.210  | 0.277  | 0.325  | 0.380  | 0.463  | 0.329  |        | 0.263  | 0.507     | 0.509  |
| 2000 | 12    | 0.094     | 0.098  | 0.093  | 0.096  | 0.098  | 0.111  | 0.116  | 0.122  | 0.133  | 0.134  | 0.134  | 0.388     | 0.369  | 0.373  | 0.346  | 0.353  | 0.415  | 0.439  | 0.461  | 0.364  |        | 0.303  | 0.536     | 0.531  |
| 2001 | 1     | 0.088     | 0.096  | 0.098  | 0.100  | 0.094  | 0.106  | 0.121  | 0.133  | 0.134  | 0.130  | 0.130  | 0.389     | 0.370  | 0.294  | 0.220  | 0.288  | 0.324  | 0.375  | 0.388  | 0.259  |        | 0.209  | 0.457     | 0.436  |
| 2001 | 2     | 0.154     | 0.162  | 0.158  | 0.160  | 0.158  | 0.181  | 0.175  | 0.184  | 0.178  | 0.180  | 0.190  | 0.457     | 0.441  | 0.405  | 0.361  | 0.405  | 0.441  | 0.455  | 0.446  | 0.346  |        | 0.288  | 0.519     | 0.508  |
| 2001 | 3     | 0.174     | 0.178  | 0.197  | 0.246  | 0.203  | 0.217  | 0.205  | 0.210  | 0.209  | 0.214  | 0.217  | 0.338     | 0.323  | 0.330  | 0.268  | 0.322  | 0.383  | 0.420  | 0.508  | 0.423  |        | 0.307  | 0.535     | 0.527  |
| 2001 | 4     | 0.301     | 0.298  | 0.307  | 0.348  | 0.314  | 0.320  | 0.300  | 0.301  | 0.295  | 0.285  | 0.298  | 0.302     | 0.278  | 0.286  | 0.281  | 0.296  | 0.304  | 0.303  | 0.329  | 0.238  |        | 0.184  | 0.495     | 0.488  |
| 2001 | 5     | 0.340     | 0.345  | 0.342  | 0.320  | 0.337  | 0.318  | 0.310  | 0.299  | 0.297  | 0.308  | 0.306  | 0.322     | 0.289  | 0.279  | 0.247  | 0.273  | 0.291  | 0.294  | 0.333  | 0.289  |        | 0.183  | 0.414     | 0.434  |
| 2001 | 6     | 0.338     | 0.336  | 0.344  | 0.350  | 0.343  | 0.354  | 0.344  | 0.333  | 0.325  | 0.335  | 0.345  | 0.217     | 0.208  | 0.191  | 0.214  | 0.226  | 0.225  | 0.218  | 0.244  | 0.196  |        | 0.148  | 0.370     | 0.373  |
| 2001 | 7     | 0.342     | 0.344  | 0.360  | 0.360  | 0.367  | 0.374  | 0.368  | 0.375  | 0.378  | 0.350  | 0.365  | 0.235     | 0.222  | 0.185  | 0.231  | 0.227  | 0.224  | 0.229  | 0.248  | 0.191  |        | 0.161  | 0.375     | 0.365  |
| 2001 | 8     | 0.302     | 0.310  | 0.324  | 0.328  | 0.316  | 0.321  | 0.281  | 0.284  | 0.288  | 0.283  | 0.294  | 0.217     | 0.210  | 0.185  | 0.199  | 0.233  | 0.198  | 0.207  | 0.211  | 0.142  |        | 0.144  | 0.337     | 0.331  |
| 2001 | 9     | 0.247     | 0.247  | 0.256  | 0.250  | 0.252  | 0.258  | 0.255  | 0.256  | 0.256  | 0.258  | 0.274  | 0.272     | 0.235  | 0.243  | 0.221  | 0.255  | 0.222  | 0.252  | 0.286  | 0.261  |        | 0.186  | 0.312     | 0.303  |
| 2001 | 10    | 0.167     | 0.174  | 0.189  | 0.179  | 0.199  | 0.222  | 0.230  | 0.236  | 0.244  | 0.244  | 0.244  | 0.489     | 0.446  | 0.423  | 0.349  | 0.423  | 0.384  | 0.422  | 0.412  | 0.314  |        | 0.242  | 0.506     | 0.483  |
| 2001 | 11    | 0.114     | 0.114  | 0.113  | 0.090  | 0.116  | 0.126  | 0.149  | 0.155  | 0.165  | 0.168  | 0.175  | 0.429     | 0.405  | 0.391  | 0.323  | 0.390  | 0.383  | 0.429  | 0.459  | 0.314  |        | 0.244  | 0.498     | 0.484  |
| 2001 | 12    | 0.078     | 0.084  | 0.087  | 0.082  | 0.086  | 0.095  | 0.116  | 0.125  | 0.123  | 0.126  | 0.127  | 0.470     | 0.434  | 0.373  | 0.320  | 0.388  | 0.355  | 0.408  | 0.404  | 0.283  |        | 0.244  | 0.512     | 0.505  |
| 2002 | 1     | 0.082     | 0.086  | 0.085  | 0.084  | 0.085  | 0.099  | 0.111  | 0.113  | 0.130  | 0.132  | 0.125  | 0.528     | 0.510  | 0.415  | 0.361  | 0.446  | 0.408  | 0.483  | 0.484  | 0.351  |        | 0.278  | 0.589     | 0.568  |
| 2002 | 2     | 0.141     | 0.150  | 0.154  | 0.159  | 0.163  | 0.180  | 0.208  | 0.206  | 0.211  | 0.210  | 0.214  | 0.518     | 0.485  | 0.449  | 0.410  | 0.455  | 0.444  | 0.474  | 0.487  | 0.363  |        | 0.296  | 0.525     | 0.516  |
| 2002 | 3     | 0.199     | 0.203  | 0.209  | 0.216  | 0.203  | 0.211  | 0.216  | 0.208  | 0.207  | 0.212  | 0.220  | 0.461     | 0.432  | 0.421  | 0.352  | 0.409  | 0.390  | 0.431  | 0.436  | 0.367  |        | 0.288  | 0.538     | 0.531  |
| 2002 | 4     | 0.251     | 0.252  | 0.261  | 0.291  | 0.265  | 0.278  | 0.277  | 0.276  | 0.281  | 0.291  | 0.300  | 0.369     | 0.343  | 0.333  | 0.293  | 0.349  | 0.337  | 0.379  | 0.428  | 0.293  |        | 0.237  | 0.509     | 0.493  |
| 2002 | 5     | 0.299     | 0.292  | 0.299  | 0.298  | 0.296  | 0.300  | 0.314  | 0.334  | 0.340  | 0.344  | 0.352  | 0.374     | 0.375  | 0.373  | 0.378  | 0.406  | 0.388  | 0.391  | 0.420  | 0.330  |        | 0.227  | 0.482     | 0.494  |
| 2002 | 6     | 0.327     | 0.321  | 0.326  | 0.315  | 0.329  | 0.340  | 0.328  | 0.335  | 0.336  | 0.343  | 0.348  | 0.255     | 0.247  | 0.233  | 0.217  | 0.265  | 0.255  | 0.280  | 0.290  | 0.244  |        | 0.209  | 0.441     | 0.444  |
| 2002 | 7     | 0.361     | 0.355  | 0.359  | 0.348  | 0.359  | 0.352  | 0.353  | 0.361  | 0.354  | 0.337  | 0.357  | 0.233     | 0.243  | 0.207  | 0.260  | 0.269  | 0.258  | 0.246  | 0.254  | 0.178  |        | 0.157  | 0.345     | 0.344  |
| 2002 | 8     | 0.339     | 0.336  | 0.334  | 0.351  | 0.334  | 0.336  | 0.318  | 0.312  | 0.308  | 0.299  | 0.306  | 0.202     | 0.190  | 0.176  | 0.182  | 0.216  | 0.183  | 0.199  | 0.229  | 0.201  |        | 0.150  | 0.318     | 0.297  |
| 2002 | 9     | 0.284     | 0.283  | 0.282  | 0.279  | 0.279  | 0.278  | 0.281  | 0.277  | 0.280  | 0.280  | 0.278  | 0.256     | 0.229  | 0.209  | 0.253  | 0.261  | 0.240  | 0.257  | 0.292  | 0.249  |        | 0.191  | 0.370     | 0.366  |
| 2002 | 10    | 0.155     | 0.157  | 0.154  | 0.178  | 0.163  | 0.169  | 0.174  | 0.177  | 0.178  | 0.171  | 0.183  | 0.315     | 0.285  | 0.293  | 0.272  | 0.292  | 0.307  | 0.306  | 0.340  | 0.284  |        | 0.224  | 0.468     | 0.446  |
| 2002 | 11    | 0.094     | 0.099  | 0.094  | 0.095  | 0.098  | 0.105  | 0.113  | 0.116  | 0.122  | 0.126  | 0.130  | 0.471     | 0.428  | 0.390  | 0.307  | 0.386  | 0.402  | 0.446  | 0.477  | 0.424  |        | 0.354  | 0.603     | 0.601  |
| 2002 | 12    | 0.075     | 0.081  | 0.084  | 0.092  | 0.087  | 0.097  | 0.108  | 0.113  | 0.114  | 0.113  | 0.112  | 0.468     | 0.443  | 0.396  | 0.359  | 0.401  | 0.419  | 0.458  | 0.471  | 0.380  |        | 0.303  | 0.604     | 0.593  |
| 2003 | 1     | 0.096     | 0.106  | 0.106  | 0.119  | 0.112  | 0.128  | 0.129  | 0.135  | 0.143  | 0.138  | 0.141  | 0.462     | 0.421  | 0.370  | 0.325  | 0.370  | 0.420  | 0.473  | 0.529  | 0.415  |        | 0.340  | 0.638     | 0.624  |
| 2003 | 2     | 0.150     | 0.153  | 0.150  | 0.189  | 0.162  | 0.180  | 0.175  | 0.173  | 0.175  | 0.152  | 0.156  | 0.391     | 0.364  | 0.320  | 0.311  | 0.342  | 0.352  | 0.404  | 0.444  | 0.344  |        | 0.293  | 0.576     | 0.573  |
| 2003 | 3     | 0.205     | 0.210  | 0.212  | 0.226  | 0.222  | 0.234  | 0.243  | 0.250  | 0.261  | 0.254  | 0.264  | 0.359     | 0.346  | 0.348  | 0.312  | 0.356  | 0.395  | 0.421  | 0.472  | 0.348  |        | 0.290  | 0.528     | 0.512  |
| 2003 | 4     | 0.265     | 0.257  | 0.263  | 0.263  | 0.261  | 0.257  | 0.265  | 0.254  | 0.285  | 0.283  | 0.290  | 0.358     | 0.345  | 0.318  | 0.257  | 0.313  | 0.329  | 0.359  | 0.381  | 0.333  |        | 0.273  | 0.579     | 0.565  |
| 2003 | 5     | 0.278     | 0.270  | 0.267  | 0.309  | 0.266  | 0.271  | 0.241  | 0.248  | 0.251  | 0.225  | 0.255  | 0.313     | 0.281  | 0.260  | 0.153  | 0.237  | 0.232  | 0.237  | 0.258  | 0.227  |        | 0.149  | 0.396     | 0.402  |
| 2003 | 6     | 0.319     | 0.319  | 0.309  | 0.363  | 0.309  | 0.294  | 0.277  | 0.270  | 0.262  | 0.272  | 0.276  | 0.249     | 0.244  | 0.228  | 0.228  | 0.252  | 0.251  | 0.242  | 0.255  | 0.205  |        | 0.135  | 0.353     | 0.354  |
| 2003 | 7     | 0.317     | 0.326  | 0.328  | 0.339  | 0.322  | 0.318  | 0.320  | 0.297  | 0.301  | 0.300  | 0.308  | 0.253     | 0.240  | 0.208  | 0.240  | 0.267  | 0.230  | 0.231  | 0.256  | 0.182  |        | 0.179  | 0.396     | 0.402  |
| 2003 | 8     | 0.290     | 0.287  | 0.287  | 0.293  | 0.285  | 0.282  | 0.268  | 0.259  | 0.265  | 0.274  | 0.272  | 0.147     | 0.147  | 0.137  | 0.167  | 0.176  | 0.180  | 0.182  | 0.204  | 0.156  |        | 0.161  | 0.361     | 0.370  |
| 2003 | 9     | 0.245     | 0.249  | 0.246  | 0.269  | 0.246  | 0.236  | 0.212  | 0.201  | 0.215  | 0.223  | 0.233  | 0.288     | 0.260  | 0.259  | 0.230  | 0.273  | 0.244  | 0.261  | 0.285  | 0.271  |        | 0.178  | 0.376     | 0.351  |
| 2003 | 10    | 0.167     | 0.169  | 0.175  | 0.167  | 0.178  | 0.190  | 0.192  | 0.194  | 0.188  | 0.188  | 0.186  | 0.352     | 0.327  | 0.313  | 0.272  | 0.340  | 0.343  | 0.367  | 0.394  | 0.309  |        | 0.253  | 0.492     | 0.465  |
| 2003 | 11    | 0.103     | 0.106  | 0.110  | 0.111  | 0.115  | 0.125  | 0.129  | 0.138  | 0.136  | 0.139  | 0.144  | 0.418     | 0.390  | 0.398  |        |        |        |        |        |        |        |        |           |        |

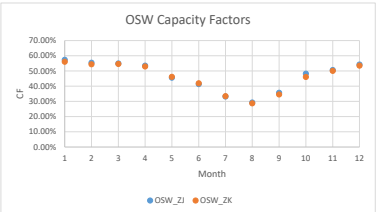
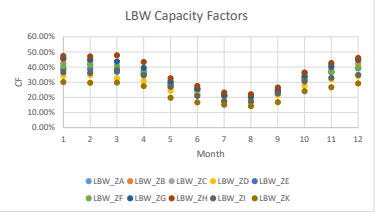
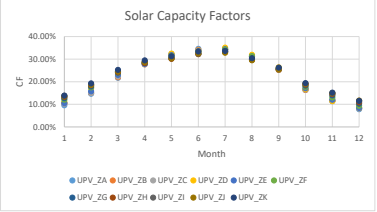
|      |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2005 | 7  | 0.342 | 0.342 | 0.348 | 0.368 | 0.341 | 0.337 | 0.332 | 0.322 | 0.329 | 0.320 | 0.315 | 0.181 | 0.176 | 0.175 | 0.176 | 0.204 | 0.214 | 0.207 | 0.225 | 0.170 | 0.133 | 0.323 | 0.327 |
| 2005 | 8  | 0.311 | 0.308 | 0.300 | 0.316 | 0.306 | 0.301 | 0.283 | 0.269 | 0.274 | 0.274 | 0.282 | 0.213 | 0.196 | 0.187 | 0.189 | 0.213 | 0.213 | 0.213 | 0.201 | 0.155 | 0.139 | 0.264 | 0.259 |
| 2005 | 9  | 0.268 | 0.267 | 0.268 | 0.264 | 0.264 | 0.264 | 0.268 | 0.268 | 0.272 | 0.268 | 0.280 | 0.286 | 0.256 | 0.243 | 0.273 | 0.291 | 0.254 | 0.265 | 0.276 | 0.215 | 0.148 | 0.295 | 0.292 |
| 2005 | 10 | 0.147 | 0.143 | 0.143 | 0.140 | 0.145 | 0.147 | 0.155 | 0.155 | 0.157 | 0.163 | 0.155 | 0.302 | 0.280 | 0.280 | 0.266 | 0.314 | 0.326 | 0.355 | 0.419 | 0.383 | 0.310 | 0.528 | 0.512 |
| 2005 | 11 | 0.110 | 0.112 | 0.111 | 0.109 | 0.116 | 0.137 | 0.146 | 0.150 | 0.156 | 0.160 | 0.156 | 0.569 | 0.534 | 0.480 | 0.415 | 0.490 | 0.456 | 0.506 | 0.522 | 0.380 | 0.330 | 0.582 | 0.569 |
| 2005 | 12 | 0.079 | 0.082 | 0.082 | 0.088 | 0.086 | 0.100 | 0.114 | 0.122 | 0.127 | 0.131 | 0.129 | 0.429 | 0.393 | 0.359 | 0.303 | 0.357 | 0.356 | 0.411 | 0.426 | 0.314 | 0.272 | 0.559 | 0.552 |
| 2006 | 1  | 0.092 | 0.098 | 0.094 | 0.097 | 0.099 | 0.108 | 0.111 | 0.120 | 0.128 | 0.125 | 0.128 | 0.516 | 0.476 | 0.435 | 0.361 | 0.434 | 0.394 | 0.469 | 0.456 | 0.367 | 0.304 | 0.575 | 0.564 |
| 2006 | 2  | 0.141 | 0.145 | 0.153 | 0.176 | 0.164 | 0.183 | 0.199 | 0.197 | 0.207 | 0.207 | 0.221 | 0.497 | 0.472 | 0.438 | 0.399 | 0.427 | 0.462 | 0.505 | 0.534 | 0.416 | 0.343 | 0.616 | 0.602 |
| 2006 | 3  | 0.243 | 0.242 | 0.246 | 0.274 | 0.262 | 0.274 | 0.281 | 0.294 | 0.303 | 0.304 | 0.307 | 0.360 | 0.364 | 0.378 | 0.379 | 0.367 | 0.443 | 0.490 | 0.527 | 0.389 | 0.298 | 0.532 | 0.525 |
| 2006 | 4  | 0.300 | 0.301 | 0.303 | 0.307 | 0.312 | 0.321 | 0.329 | 0.333 | 0.342 | 0.328 | 0.332 | 0.319 | 0.311 | 0.343 | 0.330 | 0.369 | 0.397 | 0.418 | 0.484 | 0.387 | 0.262 | 0.517 | 0.512 |
| 2006 | 5  | 0.330 | 0.319 | 0.317 | 0.288 | 0.309 | 0.287 | 0.305 | 0.297 | 0.317 | 0.312 | 0.319 | 0.278 | 0.256 | 0.240 | 0.256 | 0.272 | 0.270 | 0.282 | 0.336 | 0.292 | 0.216 | 0.472 | 0.493 |
| 2006 | 6  | 0.326 | 0.322 | 0.309 | 0.313 | 0.301 | 0.272 | 0.254 | 0.244 | 0.254 | 0.261 | 0.267 | 0.193 | 0.207 | 0.196 | 0.209 | 0.216 | 0.267 | 0.271 | 0.317 | 0.234 | 0.210 | 0.513 | 0.520 |
| 2006 | 7  | 0.344 | 0.346 | 0.330 | 0.339 | 0.328 | 0.329 | 0.327 | 0.334 | 0.322 | 0.320 | 0.325 | 0.263 | 0.260 | 0.203 | 0.237 | 0.260 | 0.229 | 0.249 | 0.253 | 0.180 | 0.178 | 0.382 | 0.387 |
| 2006 | 8  | 0.308 | 0.306 | 0.318 | 0.312 | 0.315 | 0.307 | 0.306 | 0.302 | 0.299 | 0.295 | 0.302 | 0.217 | 0.203 | 0.188 | 0.177 | 0.219 | 0.223 | 0.233 | 0.267 | 0.203 | 0.146 | 0.328 | 0.319 |
| 2006 | 9  | 0.204 | 0.203 | 0.206 | 0.229 | 0.212 | 0.219 | 0.220 | 0.231 | 0.240 | 0.231 | 0.245 | 0.307 | 0.282 | 0.270 | 0.245 | 0.278 | 0.261 | 0.280 | 0.294 | 0.254 | 0.182 | 0.363 | 0.347 |
| 2006 | 10 | 0.160 | 0.161 | 0.164 | 0.145 | 0.167 | 0.183 | 0.198 | 0.211 | 0.215 | 0.209 | 0.220 | 0.433 | 0.413 | 0.388 | 0.358 | 0.396 | 0.381 | 0.396 | 0.416 | 0.331 | 0.271 | 0.526 | 0.505 |
| 2006 | 11 | 0.114 | 0.119 | 0.113 | 0.102 | 0.110 | 0.118 | 0.130 | 0.131 | 0.137 | 0.139 | 0.139 | 0.299 | 0.269 | 0.280 | 0.240 | 0.283 | 0.276 | 0.309 | 0.338 | 0.282 | 0.215 | 0.424 | 0.414 |
| 2006 | 12 | 0.074 | 0.079 | 0.080 | 0.078 | 0.080 | 0.090 | 0.105 | 0.108 | 0.119 | 0.125 | 0.124 | 0.509 | 0.480 | 0.415 | 0.373 | 0.431 | 0.395 | 0.447 | 0.447 | 0.326 | 0.261 | 0.521 | 0.517 |
| 2007 | 1  | 0.094 | 0.102 | 0.101 | 0.119 | 0.107 | 0.123 | 0.125 | 0.128 | 0.136 | 0.129 | 0.135 | 0.485 | 0.458 | 0.414 | 0.371 | 0.407 | 0.418 | 0.481 | 0.453 | 0.357 | 0.316 | 0.618 | 0.612 |
| 2007 | 2  | 0.163 | 0.168 | 0.166 | 0.205 | 0.177 | 0.193 | 0.203 | 0.213 | 0.221 | 0.219 | 0.232 | 0.519 | 0.489 | 0.434 | 0.422 | 0.429 | 0.504 | 0.534 | 0.550 | 0.439 | 0.365 | 0.638 | 0.622 |
| 2007 | 3  | 0.227 | 0.230 | 0.230 | 0.251 | 0.232 | 0.242 | 0.251 | 0.252 | 0.253 | 0.260 | 0.266 | 0.448 | 0.419 | 0.402 | 0.373 | 0.411 | 0.459 | 0.483 | 0.511 | 0.403 | 0.314 | 0.582 | 0.583 |
| 2007 | 4  | 0.268 | 0.272 | 0.259 | 0.241 | 0.246 | 0.242 | 0.242 | 0.248 | 0.257 | 0.259 | 0.267 | 0.446 | 0.439 | 0.373 | 0.315 | 0.388 | 0.401 | 0.407 | 0.443 | 0.378 | 0.297 | 0.546 | 0.542 |
| 2007 | 5  | 0.381 | 0.384 | 0.385 | 0.375 | 0.384 | 0.386 | 0.382 | 0.376 | 0.382 | 0.386 | 0.390 | 0.195 | 0.182 | 0.185 | 0.189 | 0.219 | 0.260 | 0.275 | 0.302 | 0.253 | 0.188 | 0.426 | 0.427 |
| 2007 | 6  | 0.400 | 0.396 | 0.391 | 0.369 | 0.386 | 0.369 | 0.348 | 0.339 | 0.345 | 0.335 | 0.348 | 0.212 | 0.211 | 0.200 | 0.233 | 0.237 | 0.246 | 0.255 | 0.269 | 0.203 | 0.167 | 0.462 | 0.483 |
| 2007 | 7  | 0.347 | 0.344 | 0.338 | 0.333 | 0.332 | 0.331 | 0.341 | 0.339 | 0.340 | 0.328 | 0.348 | 0.189 | 0.186 | 0.167 | 0.161 | 0.192 | 0.204 | 0.230 | 0.265 | 0.194 | 0.163 | 0.342 | 0.344 |
| 2007 | 8  | 0.301 | 0.305 | 0.306 | 0.336 | 0.316 | 0.320 | 0.298 | 0.296 | 0.285 | 0.280 | 0.296 | 0.224 | 0.204 | 0.196 | 0.211 | 0.237 | 0.219 | 0.220 | 0.223 | 0.182 | 0.158 | 0.325 | 0.318 |
| 2007 | 9  | 0.284 | 0.281 | 0.282 | 0.293 | 0.288 | 0.289 | 0.300 | 0.306 | 0.313 | 0.300 | 0.316 | 0.250 | 0.236 | 0.220 | 0.243 | 0.257 | 0.239 | 0.258 | 0.248 | 0.206 | 0.151 | 0.306 | 0.301 |
| 2007 | 10 | 0.164 | 0.163 | 0.173 | 0.180 | 0.183 | 0.188 | 0.181 | 0.176 | 0.183 | 0.185 | 0.185 | 0.365 | 0.320 | 0.301 | 0.262 | 0.317 | 0.272 | 0.303 | 0.322 | 0.245 | 0.195 | 0.429 | 0.416 |
| 2007 | 11 | 0.108 | 0.116 | 0.123 | 0.127 | 0.122 | 0.134 | 0.131 | 0.133 | 0.137 | 0.128 | 0.135 | 0.391 | 0.355 | 0.337 | 0.309 | 0.353 | 0.377 | 0.417 | 0.430 | 0.331 | 0.280 | 0.519 | 0.507 |
| 2007 | 12 | 0.070 | 0.073 | 0.072 | 0.074 | 0.073 | 0.081 | 0.088 | 0.093 | 0.104 | 0.108 | 0.105 | 0.441 | 0.422 | 0.382 | 0.319 | 0.369 | 0.367 | 0.403 | 0.404 | 0.311 | 0.276 | 0.497 | 0.493 |
| 2008 | 1  | 0.101 | 0.110 | 0.107 | 0.111 | 0.110 | 0.125 | 0.136 | 0.139 | 0.147 | 0.143 | 0.144 | 0.518 | 0.478 | 0.417 | 0.343 | 0.416 | 0.376 | 0.429 | 0.455 | 0.342 | 0.282 | 0.568 | 0.553 |
| 2008 | 2  | 0.141 | 0.139 | 0.134 | 0.172 | 0.144 | 0.152 | 0.153 | 0.155 | 0.159 | 0.166 | 0.170 | 0.418 | 0.400 | 0.367 | 0.322 | 0.367 | 0.381 | 0.408 | 0.426 | 0.331 | 0.281 | 0.532 | 0.520 |
| 2008 | 3  | 0.208 | 0.209 | 0.214 | 0.227 | 0.224 | 0.233 | 0.237 | 0.242 | 0.237 | 0.247 | 0.256 | 0.387 | 0.379 | 0.376 | 0.346 | 0.380 | 0.422 | 0.430 | 0.484 | 0.377 | 0.314 | 0.545 | 0.546 |
| 2008 | 4  | 0.323 | 0.326 | 0.326 | 0.336 | 0.334 | 0.337 | 0.315 | 0.306 | 0.299 | 0.285 | 0.296 | 0.318 | 0.292 | 0.315 | 0.285 | 0.316 | 0.325 | 0.318 | 0.342 | 0.288 | 0.217 | 0.438 | 0.441 |
| 2008 | 5  | 0.303 | 0.303 | 0.313 | 0.345 | 0.317 | 0.321 | 0.309 | 0.313 | 0.307 | 0.310 | 0.322 | 0.339 | 0.309 | 0.278 | 0.262 | 0.313 | 0.336 | 0.360 | 0.419 | 0.350 | 0.261 | 0.531 | 0.539 |
| 2008 | 6  | 0.325 | 0.328 | 0.327 | 0.312 | 0.331 | 0.324 | 0.327 | 0.334 | 0.341 | 0.343 | 0.345 | 0.292 | 0.284 | 0.215 | 0.220 | 0.271 | 0.227 | 0.243 | 0.235 | 0.171 | 0.156 | 0.397 | 0.396 |
| 2008 | 7  | 0.344 | 0.333 | 0.322 | 0.333 | 0.333 | 0.328 | 0.325 | 0.328 | 0.338 | 0.331 | 0.334 | 0.247 | 0.231 | 0.171 | 0.216 | 0.218 | 0.190 | 0.201 | 0.218 | 0.164 | 0.145 | 0.305 | 0.317 |
| 2008 | 8  | 0.338 | 0.334 | 0.330 | 0.323 | 0.324 | 0.326 | 0.332 | 0.334 | 0.347 | 0.346 | 0.348 | 0.178 | 0.159 | 0.144 | 0.129 | 0.155 | 0.167 | 0.182 | 0.190 | 0.133 | 0.098 | 0.192 | 0.193 |
| 2008 | 9  | 0.251 | 0.248 | 0.247 | 0.254 | 0.260 | 0.271 | 0.265 | 0.264 | 0.269 | 0.253 | 0.258 | 0.210 | 0.190 | 0.186 | 0.165 | 0.203 | 0.208 | 0.224 | 0.252 | 0.225 | 0.158 | 0.365 | 0.357 |
| 2008 | 10 | 0.195 | 0.197 | 0.204 | 0.191 | 0.199 | 0.201 | 0.216 | 0.220 | 0.224 | 0.226 | 0.227 | 0.326 | 0.298 | 0.270 | 0.239 | 0.284 | 0.290 | 0.325 | 0.357 | 0.281 | 0.210 | 0.449 | 0.419 |
| 2008 | 11 | 0.115 | 0.116 | 0.114 | 0.113 | 0.118 | 0.119 | 0.123 | 0.124 | 0.130 | 0.127 | 0.138 | 0.374 | 0.321 | 0.307 | 0.252 | 0.298 | 0.318 | 0.329 | 0.385 | 0.290 | 0.245 | 0.489 | 0.471 |
| 2008 | 12 | 0.075 | 0.078 | 0.076 | 0.074 | 0.078 | 0.084 | 0.093 | 0.098 | 0.103 | 0.106 | 0.106 | 0.547 | 0.514 | 0.486 | 0.390 | 0.472 | 0.466 | 0.502 | 0.521 | 0.408 | 0.363 | 0.597 | 0.597 |
| 2009 | 1  | 0.095 | 0.103 | 0.102 | 0.110 | 0.106 | 0.122 | 0.132 | 0.137 | 0.142 | 0.131 | 0.131 | 0.441 | 0.412 | 0.376 | 0.336 | 0.369 | 0.407 | 0.438 | 0.454 | 0.338 | 0.272 | 0.545 | 0.530 |
| 2009 | 2  | 0.154 | 0.160 | 0.157 | 0.163 | 0.161 | 0.181 | 0.189 | 0.207 | 0.207 | 0.210 | 0.224 | 0.440 | 0.437 | 0.430 | 0.395 | 0.419 | 0.476 | 0.541 | 0.574 | 0.424 | 0.334 | 0.600 | 0.591 |
| 2009 | 3  | 0.248 | 0.249 | 0.246 | 0.270 | 0.257 | 0.264 | 0.252 | 0.252 | 0.248 | 0.238 | 0.249 | 0.319 | 0.299 | 0.319 | 0.265 | 0.310 | 0.331 | 0.369 | 0.414 | 0.315 | 0.227 | 0.489 | 0.477 |
| 2009 | 4  | 0.299 | 0.301 | 0.298 | 0.279 | 0.293 | 0.293 | 0.279 | 0.281 | 0.274 | 0.273 | 0.276 | 0.451 | 0.423 | 0.392 | 0.344 | 0.407 | 0.388 | 0.421 | 0.452 | 0.362 | 0.305 | 0.637 | 0.629 |
| 2009 | 5  | 0.355 | 0.351 | 0.332 | 0.310 | 0.315 | 0.300 | 0.285 | 0.276 | 0.284 | 0.278 | 0.283 | 0.328 | 0.309 | 0.285 | 0.299 | 0.315 | 0.318 | 0.327 | 0.316 | 0.272 | 0.194 | 0.458 | 0.469 |
| 2009 | 6  | 0.329 | 0.319 | 0.312 | 0.325 | 0.309 | 0.303 | 0.273 | 0.260 | 0.252 | 0.246 | 0.255 | 0.188 | 0.165 | 0.166 | 0.123 | 0.171 | 0.198 | 0.187 | 0.240 | 0.172 | 0.140 | 0.338 | 0.329 |
| 2009 | 7  | 0.318 | 0.313 | 0.323 | 0.302 | 0.316 | 0.313 | 0.318 | 0.330 | 0.340 | 0.338 | 0.343 | 0.228 | 0.220 | 0.188 | 0.184 | 0.223 | 0.212 | 0.201 | 0.222 | 0.179 | 0.150 | 0.340 | 0.362 |
| 2009 | 8  | 0.302 | 0.302 | 0.299 | 0.321 | 0.304 | 0.300 | 0.293 | 0.285 | 0.290 | 0.278 | 0.296 | 0.235 | 0.220 |       |       |       |       |       |       |       |       |       |       |

|      |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2011 | 4  | 0.218 | 0.221 | 0.220 | 0.258 | 0.227 | 0.238 | 0.226 | 0.219 | 0.226 | 0.231 | 0.236 | 0.453 | 0.418 | 0.406 | 0.371 | 0.420 | 0.419 | 0.451 | 0.500 | 0.390 |       | 0.344 | 0.632 | 0.621 |
| 2011 | 5  | 0.267 | 0.264 | 0.280 | 0.265 | 0.274 | 0.275 | 0.266 | 0.272 | 0.284 | 0.285 | 0.291 | 0.281 | 0.258 | 0.272 | 0.203 | 0.283 | 0.319 | 0.305 | 0.350 | 0.278 |       | 0.185 | 0.449 | 0.464 |
| 2011 | 6  | 0.340 | 0.334 | 0.327 | 0.329 | 0.315 | 0.308 | 0.311 | 0.310 | 0.322 | 0.317 | 0.330 | 0.237 | 0.232 | 0.200 | 0.227 | 0.229 | 0.234 | 0.222 | 0.251 | 0.170 |       | 0.140 | 0.314 | 0.323 |
| 2011 | 7  | 0.385 | 0.385 | 0.384 | 0.383 | 0.380 | 0.375 | 0.360 | 0.359 | 0.362 | 0.355 | 0.368 | 0.200 | 0.199 | 0.150 | 0.200 | 0.197 | 0.205 | 0.211 | 0.230 | 0.156 |       | 0.155 | 0.329 | 0.335 |
| 2011 | 8  | 0.301 | 0.292 | 0.292 | 0.304 | 0.299 | 0.297 | 0.285 | 0.283 | 0.286 | 0.298 | 0.308 | 0.208 | 0.199 | 0.193 | 0.183 | 0.218 | 0.214 | 0.232 | 0.247 | 0.199 |       | 0.172 | 0.312 | 0.293 |
| 2011 | 9  | 0.222 | 0.221 | 0.213 | 0.254 | 0.218 | 0.211 | 0.197 | 0.208 | 0.211 | 0.207 | 0.220 | 0.251 | 0.220 | 0.205 | 0.180 | 0.218 | 0.192 | 0.204 | 0.229 | 0.209 |       | 0.153 | 0.335 | 0.327 |
| 2011 | 10 | 0.152 | 0.154 | 0.158 | 0.160 | 0.165 | 0.174 | 0.182 | 0.189 | 0.194 | 0.198 | 0.201 | 0.346 | 0.303 | 0.294 | 0.256 | 0.307 | 0.327 | 0.336 | 0.361 | 0.317 |       | 0.228 | 0.449 | 0.444 |
| 2011 | 11 | 0.121 | 0.122 | 0.126 | 0.114 | 0.127 | 0.137 | 0.152 | 0.158 | 0.160 | 0.157 | 0.159 | 0.503 | 0.457 | 0.414 | 0.345 | 0.433 | 0.358 | 0.421 | 0.407 | 0.312 |       | 0.249 | 0.523 | 0.524 |
| 2011 | 12 | 0.079 | 0.089 | 0.085 | 0.081 | 0.088 | 0.105 | 0.119 | 0.121 | 0.129 | 0.132 | 0.129 | 0.387 | 0.372 | 0.343 | 0.289 | 0.344 | 0.404 | 0.425 | 0.295 |       | 0.243 | 0.443 | 0.439 |       |
| 2012 | 1  | 0.094 | 0.103 | 0.099 | 0.105 | 0.095 | 0.111 | 0.130 | 0.141 | 0.148 | 0.149 | 0.155 | 0.524 | 0.490 | 0.442 | 0.378 | 0.435 | 0.416 | 0.478 | 0.478 | 0.370 |       | 0.305 | 0.597 | 0.587 |
| 2012 | 2  | 0.131 | 0.129 | 0.137 | 0.170 | 0.149 | 0.174 | 0.182 | 0.193 | 0.199 | 0.199 | 0.210 | 0.412 | 0.402 | 0.340 | 0.327 | 0.360 | 0.365 | 0.417 | 0.423 | 0.310 |       | 0.255 | 0.475 | 0.472 |
| 2012 | 3  | 0.229 | 0.229 | 0.229 | 0.234 | 0.231 | 0.240 | 0.255 | 0.245 | 0.243 | 0.250 | 0.250 | 0.402 | 0.374 | 0.350 | 0.296 | 0.345 | 0.318 | 0.354 | 0.352 | 0.293 |       | 0.225 | 0.469 | 0.462 |
| 2012 | 4  | 0.298 | 0.296 | 0.301 | 0.284 | 0.296 | 0.314 | 0.331 | 0.340 | 0.345 | 0.341 | 0.356 | 0.344 | 0.359 | 0.356 | 0.298 | 0.371 | 0.440 | 0.440 | 0.448 | 0.340 |       | 0.247 | 0.480 | 0.461 |
| 2012 | 5  | 0.356 | 0.347 | 0.332 | 0.340 | 0.328 | 0.307 | 0.278 | 0.263 | 0.261 | 0.274 | 0.270 | 0.259 | 0.250 | 0.225 | 0.190 | 0.236 | 0.240 | 0.239 | 0.262 | 0.202 |       | 0.160 | 0.422 | 0.425 |
| 2012 | 6  | 0.369 | 0.363 | 0.361 | 0.358 | 0.354 | 0.353 | 0.338 | 0.331 | 0.333 | 0.327 | 0.349 | 0.293 | 0.288 | 0.248 | 0.227 | 0.261 | 0.262 | 0.262 | 0.287 | 0.208 |       | 0.146 | 0.377 | 0.377 |
| 2012 | 7  | 0.363 | 0.363 | 0.366 | 0.395 | 0.365 | 0.355 | 0.334 | 0.341 | 0.332 | 0.326 | 0.334 | 0.179 | 0.183 | 0.150 | 0.160 | 0.171 | 0.185 | 0.193 | 0.216 | 0.160 |       | 0.125 | 0.288 | 0.288 |
| 2012 | 8  | 0.331 | 0.332 | 0.335 | 0.327 | 0.337 | 0.340 | 0.321 | 0.327 | 0.315 | 0.304 | 0.312 | 0.204 | 0.183 | 0.164 | 0.189 | 0.208 | 0.171 | 0.189 | 0.199 | 0.145 |       | 0.116 | 0.238 | 0.234 |
| 2012 | 9  | 0.256 | 0.255 | 0.250 | 0.264 | 0.260 | 0.271 | 0.253 | 0.250 | 0.252 | 0.247 | 0.252 | 0.253 | 0.245 | 0.246 | 0.237 | 0.259 | 0.248 | 0.256 | 0.289 | 0.209 |       | 0.158 | 0.336 | 0.314 |
| 2012 | 10 | 0.142 | 0.142 | 0.141 | 0.149 | 0.142 | 0.145 | 0.141 | 0.141 | 0.145 | 0.148 | 0.152 | 0.389 | 0.344 | 0.326 | 0.276 | 0.342 | 0.318 | 0.350 | 0.363 | 0.290 |       | 0.226 | 0.475 | 0.447 |
| 2012 | 11 | 0.123 | 0.123 | 0.119 | 0.139 | 0.136 | 0.146 | 0.154 | 0.158 | 0.159 | 0.160 | 0.158 | 0.300 | 0.280 | 0.263 | 0.229 | 0.267 | 0.303 | 0.329 | 0.366 | 0.268 |       | 0.230 | 0.475 | 0.464 |
| 2012 | 12 | 0.073 | 0.078 | 0.079 | 0.073 | 0.076 | 0.081 | 0.090 | 0.094 | 0.101 | 0.103 | 0.101 | 0.402 | 0.400 | 0.390 | 0.352 | 0.380 | 0.393 | 0.449 | 0.440 | 0.371 |       | 0.279 | 0.502 | 0.506 |
| 2013 | 1  | 0.092 | 0.103 | 0.100 | 0.111 | 0.105 | 0.120 | 0.131 | 0.138 | 0.134 | 0.134 | 0.137 | 0.470 | 0.450 | 0.400 | 0.375 | 0.407 | 0.406 | 0.449 | 0.444 | 0.329 |       | 0.274 | 0.538 | 0.529 |
| 2013 | 2  | 0.142 | 0.148 | 0.145 | 0.156 | 0.148 | 0.174 | 0.172 | 0.180 | 0.174 | 0.172 | 0.171 | 0.440 | 0.388 | 0.361 | 0.303 | 0.352 | 0.401 | 0.448 | 0.515 | 0.416 |       | 0.366 | 0.586 | 0.583 |
| 2013 | 3  | 0.212 | 0.208 | 0.209 | 0.238 | 0.222 | 0.225 | 0.222 | 0.225 | 0.239 | 0.233 | 0.242 | 0.395 | 0.376 | 0.360 | 0.316 | 0.350 | 0.436 | 0.469 | 0.551 | 0.423 |       | 0.343 | 0.599 | 0.591 |
| 2013 | 4  | 0.279 | 0.280 | 0.278 | 0.273 | 0.276 | 0.283 | 0.310 | 0.322 | 0.330 | 0.321 | 0.337 | 0.472 | 0.434 | 0.409 | 0.362 | 0.413 | 0.380 | 0.388 | 0.415 | 0.323 |       | 0.233 | 0.496 | 0.482 |
| 2013 | 5  | 0.355 | 0.358 | 0.347 | 0.332 | 0.331 | 0.325 | 0.313 | 0.315 | 0.313 | 0.314 | 0.316 | 0.336 | 0.313 | 0.301 | 0.248 | 0.317 | 0.308 | 0.319 | 0.325 | 0.259 |       | 0.207 | 0.521 | 0.522 |
| 2013 | 6  | 0.316 | 0.306 | 0.296 | 0.291 | 0.300 | 0.308 | 0.316 | 0.315 | 0.325 | 0.323 | 0.331 | 0.234 | 0.227 | 0.220 | 0.196 | 0.246 | 0.245 | 0.282 | 0.319 | 0.249 |       | 0.214 | 0.533 | 0.537 |
| 2013 | 7  | 0.328 | 0.326 | 0.329 | 0.355 | 0.340 | 0.348 | 0.324 | 0.319 | 0.324 | 0.315 | 0.323 | 0.173 | 0.172 | 0.149 | 0.171 | 0.178 | 0.178 | 0.192 | 0.213 | 0.159 |       | 0.153 | 0.411 | 0.414 |
| 2013 | 8  | 0.334 | 0.333 | 0.325 | 0.324 | 0.316 | 0.318 | 0.301 | 0.296 | 0.283 | 0.278 | 0.285 | 0.180 | 0.175 | 0.148 | 0.188 | 0.196 | 0.203 | 0.213 | 0.225 | 0.167 |       | 0.144 | 0.281 | 0.278 |
| 2013 | 9  | 0.263 | 0.266 | 0.277 | 0.268 | 0.290 | 0.292 | 0.294 | 0.290 | 0.291 | 0.302 | 0.304 | 0.254 | 0.234 | 0.216 | 0.215 | 0.248 | 0.232 | 0.249 | 0.245 | 0.204 |       | 0.161 | 0.326 | 0.326 |
| 2013 | 10 | 0.175 | 0.170 | 0.161 | 0.181 | 0.170 | 0.177 | 0.194 | 0.199 | 0.196 | 0.199 | 0.200 | 0.346 | 0.312 | 0.295 | 0.284 | 0.313 | 0.270 | 0.294 | 0.317 | 0.251 |       | 0.189 | 0.430 | 0.397 |
| 2013 | 11 | 0.112 | 0.118 | 0.122 | 0.125 | 0.131 | 0.148 | 0.150 | 0.159 | 0.161 | 0.159 | 0.165 | 0.508 | 0.474 | 0.458 | 0.412 | 0.445 | 0.440 | 0.477 | 0.483 | 0.363 |       | 0.297 | 0.540 | 0.545 |
| 2013 | 12 | 0.076 | 0.081 | 0.076 | 0.083 | 0.075 | 0.080 | 0.087 | 0.092 | 0.101 | 0.104 | 0.103 | 0.440 | 0.393 | 0.350 | 0.280 | 0.356 | 0.357 | 0.397 | 0.381 | 0.304 |       | 0.274 | 0.574 | 0.564 |
| 2014 | 1  | 0.111 | 0.122 | 0.118 | 0.125 | 0.115 | 0.131 | 0.128 | 0.133 | 0.135 | 0.129 | 0.138 | 0.528 | 0.510 | 0.451 | 0.396 | 0.466 | 0.459 | 0.480 | 0.484 | 0.380 |       | 0.343 | 0.568 | 0.562 |
| 2014 | 2  | 0.160 | 0.163 | 0.161 | 0.185 | 0.165 | 0.175 | 0.176 | 0.188 | 0.193 | 0.189 | 0.196 | 0.411 | 0.396 | 0.349 | 0.323 | 0.361 | 0.395 | 0.396 | 0.441 | 0.318 |       | 0.278 | 0.517 | 0.503 |
| 2014 | 3  | 0.216 | 0.223 | 0.232 | 0.257 | 0.244 | 0.254 | 0.243 | 0.244 | 0.240 | 0.233 | 0.241 | 0.408 | 0.406 | 0.404 | 0.336 | 0.396 | 0.450 | 0.458 | 0.491 | 0.396 |       | 0.303 | 0.585 | 0.573 |
| 2014 | 4  | 0.280 | 0.276 | 0.274 | 0.291 | 0.282 | 0.292 | 0.290 | 0.298 | 0.306 | 0.313 | 0.314 | 0.443 | 0.418 | 0.432 | 0.384 | 0.416 | 0.428 | 0.443 | 0.472 | 0.367 |       | 0.291 | 0.511 | 0.504 |
| 2014 | 5  | 0.319 | 0.321 | 0.326 | 0.328 | 0.328 | 0.318 | 0.300 | 0.299 | 0.301 | 0.293 | 0.311 | 0.265 | 0.260 | 0.242 | 0.255 | 0.288 | 0.308 | 0.297 | 0.302 | 0.255 |       | 0.196 | 0.426 | 0.426 |
| 2014 | 6  | 0.346 | 0.343 | 0.346 | 0.352 | 0.341 | 0.349 | 0.349 | 0.353 | 0.357 | 0.367 | 0.367 | 0.245 | 0.217 | 0.229 | 0.191 | 0.244 | 0.234 | 0.251 | 0.266 | 0.208 |       | 0.135 | 0.320 | 0.320 |
| 2014 | 7  | 0.331 | 0.326 | 0.331 | 0.331 | 0.336 | 0.348 | 0.334 | 0.340 | 0.337 | 0.338 | 0.343 | 0.251 | 0.242 | 0.211 | 0.253 | 0.257 | 0.243 | 0.266 | 0.302 | 0.247 |       | 0.225 | 0.409 | 0.413 |
| 2014 | 8  | 0.311 | 0.306 | 0.305 | 0.320 | 0.303 | 0.307 | 0.311 | 0.314 | 0.321 | 0.319 | 0.332 | 0.216 | 0.193 | 0.170 | 0.159 | 0.195 | 0.181 | 0.194 | 0.190 | 0.144 |       | 0.112 | 0.208 | 0.201 |
| 2014 | 9  | 0.267 | 0.273 | 0.274 | 0.265 | 0.276 | 0.289 | 0.281 | 0.277 | 0.273 | 0.255 | 0.271 | 0.236 | 0.214 | 0.217 | 0.252 | 0.243 | 0.223 | 0.226 | 0.226 | 0.197 |       | 0.132 | 0.321 | 0.304 |
| 2014 | 10 | 0.158 | 0.152 | 0.154 | 0.148 | 0.154 | 0.157 | 0.168 | 0.171 | 0.175 | 0.185 | 0.180 | 0.413 | 0.373 | 0.381 | 0.317 | 0.378 | 0.373 | 0.399 | 0.412 | 0.351 |       | 0.275 | 0.546 | 0.495 |
| 2014 | 11 | 0.108 | 0.113 | 0.117 | 0.113 | 0.120 | 0.126 | 0.137 | 0.144 | 0.146 | 0.143 | 0.144 | 0.506 | 0.456 | 0.432 | 0.380 | 0.449 | 0.444 | 0.458 | 0.462 | 0.357 |       | 0.319 | 0.572 | 0.556 |
| 2014 | 12 | 0.078 | 0.077 | 0.073 | 0.078 | 0.078 | 0.084 | 0.085 | 0.091 | 0.092 | 0.093 | 0.096 | 0.392 | 0.385 | 0.364 | 0.317 | 0.345 | 0.369 | 0.414 | 0.419 | 0.313 |       | 0.256 | 0.509 | 0.490 |
| 2015 | 1  | 0.106 | 0.117 | 0.119 | 0.132 | 0.117 | 0.134 | 0.133 | 0.137 | 0.142 | 0.138 | 0.143 | 0.473 | 0.449 | 0.407 | 0.408 | 0.417 | 0.451 | 0.498 | 0.533 | 0.413 |       | 0.342 | 0.606 | 0.599 |
| 2015 | 2  | 0.167 | 0.175 | 0.173 | 0.197 | 0.185 | 0.205 | 0.197 | 0.202 | 0.205 | 0.194 | 0.204 | 0.393 | 0.359 | 0.346 | 0.299 | 0.349 | 0.407 | 0.422 | 0.454 | 0.363 |       | 0.314 | 0.567 | 0.541 |
| 2015 | 3  | 0.231 | 0.227 | 0.229 | 0.249 | 0.230 | 0.236 | 0.230 | 0.232 | 0.226 | 0.222 | 0.236 | 0.403 | 0.392 | 0.356 | 0.348 | 0.377 | 0.413 | 0.429 | 0.450 | 0.326 |       | 0.278 | 0.519 | 0.519 |
| 2015 | 4  | 0.288 | 0.290 | 0.290 | 0.313 | 0.294 | 0.296 | 0.285 | 0.292 | 0.296 | 0.302 | 0.308 | 0.380 | 0.375 | 0.374 | 0.353 | 0.390 | 0.415 | 0.435 | 0.465 | 0.    |       |       |       |       |

|      |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2017 | 1  | 0.090 | 0.098 | 0.093 | 0.106 | 0.097 | 0.113 | 0.105 | 0.101 | 0.105 | 0.109 | 0.111 | 0.470 | 0.432 | 0.393 | 0.338 | 0.394 | 0.388 | 0.430 | 0.427 | 0.362 | 0.278 | 0.532 | 0.527 |
| 2017 | 2  | 0.150 | 0.160 | 0.152 | 0.162 | 0.155 | 0.170 | 0.186 | 0.198 | 0.194 | 0.193 | 0.188 | 0.519 | 0.509 | 0.454 | 0.366 | 0.454 | 0.468 | 0.516 | 0.512 | 0.369 | 0.280 | 0.581 | 0.585 |
| 2017 | 3  | 0.194 | 0.198 | 0.215 | 0.249 | 0.232 | 0.243 | 0.248 | 0.251 | 0.240 | 0.242 | 0.254 | 0.421 | 0.396 | 0.393 | 0.325 | 0.371 | 0.433 | 0.468 | 0.506 | 0.438 | 0.354 | 0.631 | 0.622 |
| 2017 | 4  | 0.259 | 0.264 | 0.269 | 0.272 | 0.269 | 0.268 | 0.256 | 0.256 | 0.259 | 0.254 | 0.262 | 0.405 | 0.376 | 0.365 | 0.330 | 0.380 | 0.355 | 0.385 | 0.415 | 0.325 | 0.236 | 0.515 | 0.531 |
| 2017 | 5  | 0.285 | 0.276 | 0.268 | 0.284 | 0.274 | 0.281 | 0.273 | 0.279 | 0.284 | 0.285 | 0.301 | 0.363 | 0.324 | 0.320 | 0.277 | 0.319 | 0.331 | 0.342 | 0.375 | 0.317 | 0.238 | 0.517 | 0.515 |
| 2017 | 6  | 0.354 | 0.355 | 0.354 | 0.317 | 0.342 | 0.336 | 0.334 | 0.340 | 0.342 | 0.345 | 0.352 | 0.309 | 0.293 | 0.249 | 0.278 | 0.304 | 0.299 | 0.310 | 0.323 | 0.238 | 0.194 | 0.504 | 0.522 |
| 2017 | 7  | 0.335 | 0.332 | 0.327 | 0.347 | 0.326 | 0.317 | 0.324 | 0.323 | 0.326 | 0.317 | 0.323 | 0.182 | 0.176 | 0.150 | 0.179 | 0.190 | 0.197 | 0.197 | 0.213 | 0.164 | 0.134 | 0.317 | 0.313 |
| 2017 | 8  | 0.323 | 0.327 | 0.338 | 0.339 | 0.330 | 0.329 | 0.309 | 0.318 | 0.312 | 0.302 | 0.314 | 0.220 | 0.195 | 0.176 | 0.185 | 0.215 | 0.196 | 0.201 | 0.220 | 0.159 | 0.123 | 0.256 | 0.251 |
| 2017 | 9  | 0.278 | 0.275 | 0.271 | 0.293 | 0.281 | 0.280 | 0.272 | 0.265 | 0.266 | 0.259 | 0.257 | 0.150 | 0.131 | 0.122 | 0.148 | 0.144 | 0.164 | 0.182 | 0.259 | 0.219 | 0.213 | 0.415 | 0.409 |
| 2017 | 10 | 0.178 | 0.180 | 0.191 | 0.192 | 0.195 | 0.201 | 0.203 | 0.202 | 0.202 | 0.198 | 0.204 | 0.403 | 0.374 | 0.356 | 0.347 | 0.376 | 0.339 | 0.364 | 0.363 | 0.301 | 0.246 | 0.472 | 0.455 |
| 2017 | 11 | 0.103 | 0.105 | 0.108 | 0.108 | 0.114 | 0.122 | 0.141 | 0.147 | 0.147 | 0.156 | 0.150 | 0.443 | 0.423 | 0.424 | 0.366 | 0.419 | 0.422 | 0.449 | 0.446 | 0.337 | 0.247 | 0.488 | 0.490 |
| 2017 | 12 | 0.088 | 0.093 | 0.092 | 0.093 | 0.092 | 0.103 | 0.107 | 0.109 | 0.116 | 0.119 | 0.116 | 0.407 | 0.358 | 0.342 | 0.305 | 0.341 | 0.375 | 0.394 | 0.394 | 0.288 | 0.246 | 0.523 | 0.512 |
| 2018 | 1  | 0.103 | 0.111 | 0.115 | 0.112 | 0.115 | 0.134 | 0.141 | 0.140 | 0.151 | 0.151 | 0.147 | 0.504 | 0.465 | 0.416 | 0.380 | 0.406 | 0.430 | 0.473 | 0.486 | 0.387 | 0.343 | 0.616 | 0.596 |
| 2018 | 2  | 0.136 | 0.139 | 0.137 | 0.156 | 0.142 | 0.155 | 0.151 | 0.145 | 0.152 | 0.151 | 0.156 | 0.453 | 0.435 | 0.393 | 0.358 | 0.417 | 0.388 | 0.436 | 0.396 | 0.289 | 0.248 | 0.550 | 0.546 |
| 2018 | 3  | 0.236 | 0.227 | 0.234 | 0.245 | 0.238 | 0.244 | 0.229 | 0.232 | 0.239 | 0.240 | 0.242 | 0.348 | 0.327 | 0.357 | 0.247 | 0.334 | 0.459 | 0.496 | 0.596 | 0.474 | 0.375 | 0.623 | 0.624 |
| 2018 | 4  | 0.250 | 0.244 | 0.237 | 0.255 | 0.239 | 0.244 | 0.248 | 0.248 | 0.262 | 0.269 | 0.268 | 0.366 | 0.361 | 0.356 | 0.289 | 0.373 | 0.406 | 0.412 | 0.454 | 0.350 | 0.292 | 0.542 | 0.537 |
| 2018 | 5  | 0.341 | 0.336 | 0.319 | 0.348 | 0.319 | 0.311 | 0.286 | 0.286 | 0.278 | 0.269 | 0.281 | 0.290 | 0.282 | 0.262 | 0.292 | 0.305 | 0.277 | 0.297 | 0.299 | 0.249 | 0.171 | 0.449 | 0.443 |
| 2018 | 6  | 0.333 | 0.331 | 0.336 | 0.358 | 0.332 | 0.331 | 0.314 | 0.321 | 0.334 | 0.324 | 0.335 | 0.253 | 0.223 | 0.218 | 0.215 | 0.247 | 0.251 | 0.246 | 0.269 | 0.213 | 0.153 | 0.385 | 0.391 |
| 2018 | 7  | 0.376 | 0.376 | 0.372 | 0.394 | 0.376 | 0.369 | 0.355 | 0.337 | 0.333 | 0.345 | 0.352 | 0.198 | 0.180 | 0.184 | 0.194 | 0.209 | 0.197 | 0.201 | 0.225 | 0.179 | 0.149 | 0.315 | 0.309 |
| 2018 | 8  | 0.272 | 0.269 | 0.264 | 0.293 | 0.275 | 0.275 | 0.271 | 0.282 | 0.279 | 0.291 | 0.299 | 0.244 | 0.230 | 0.198 | 0.176 | 0.220 | 0.180 | 0.200 | 0.205 | 0.154 | 0.149 | 0.347 | 0.345 |
| 2018 | 9  | 0.225 | 0.224 | 0.232 | 0.259 | 0.229 | 0.217 | 0.184 | 0.179 | 0.180 | 0.182 | 0.194 | 0.253 | 0.215 | 0.205 | 0.198 | 0.219 | 0.188 | 0.190 | 0.213 | 0.207 | 0.141 | 0.332 | 0.315 |
| 2018 | 10 | 0.131 | 0.133 | 0.137 | 0.141 | 0.142 | 0.150 | 0.158 | 0.162 | 0.165 | 0.175 | 0.178 | 0.385 | 0.347 | 0.335 | 0.306 | 0.357 | 0.365 | 0.407 | 0.382 | 0.290 | 0.248 | 0.515 | 0.492 |
| 2018 | 11 | 0.098 | 0.099 | 0.102 | 0.105 | 0.103 | 0.109 | 0.111 | 0.124 | 0.124 | 0.133 | 0.134 | 0.409 | 0.375 | 0.372 | 0.317 | 0.358 | 0.382 | 0.408 | 0.436 | 0.365 | 0.311 | 0.591 | 0.590 |
| 2018 | 12 | 0.080 | 0.084 | 0.085 | 0.091 | 0.086 | 0.099 | 0.104 | 0.109 | 0.115 | 0.116 | 0.121 | 0.357 | 0.345 | 0.335 | 0.285 | 0.328 | 0.339 | 0.395 | 0.402 | 0.317 | 0.256 | 0.485 | 0.477 |
| 2019 | 1  | 0.093 | 0.099 | 0.097 | 0.101 | 0.101 | 0.111 | 0.116 | 0.125 | 0.132 | 0.134 | 0.137 | 0.475 | 0.458 | 0.416 | 0.362 | 0.414 | 0.450 | 0.483 | 0.475 | 0.373 | 0.319 | 0.561 | 0.551 |
| 2019 | 2  | 0.140 | 0.146 | 0.145 | 0.170 | 0.152 | 0.171 | 0.180 | 0.182 | 0.193 | 0.192 | 0.194 | 0.459 | 0.433 | 0.400 | 0.383 | 0.403 | 0.392 | 0.415 | 0.417 | 0.326 | 0.267 | 0.475 | 0.472 |
| 2019 | 3  | 0.223 | 0.224 | 0.227 | 0.250 | 0.235 | 0.249 | 0.257 | 0.248 | 0.254 | 0.256 | 0.270 | 0.405 | 0.390 | 0.376 | 0.348 | 0.388 | 0.411 | 0.441 | 0.489 | 0.387 | 0.294 | 0.521 | 0.514 |
| 2019 | 4  | 0.235 | 0.236 | 0.244 | 0.257 | 0.249 | 0.261 | 0.251 | 0.247 | 0.258 | 0.265 | 0.266 | 0.398 | 0.383 | 0.381 | 0.353 | 0.390 | 0.412 | 0.428 | 0.479 | 0.357 | 0.298 | 0.531 | 0.519 |
| 2019 | 5  | 0.267 | 0.271 | 0.272 | 0.284 | 0.266 | 0.266 | 0.269 | 0.271 | 0.280 | 0.282 | 0.292 | 0.299 | 0.286 | 0.292 | 0.207 | 0.290 | 0.301 | 0.333 | 0.352 | 0.287 | 0.208 | 0.497 | 0.487 |
| 2019 | 6  | 0.351 | 0.346 | 0.344 | 0.347 | 0.341 | 0.341 | 0.328 | 0.327 | 0.332 | 0.337 | 0.335 | 0.280 | 0.264 | 0.249 | 0.226 | 0.261 | 0.274 | 0.287 | 0.316 | 0.241 | 0.171 | 0.429 | 0.419 |
| 2019 | 7  | 0.340 | 0.338 | 0.349 | 0.382 | 0.351 | 0.362 | 0.354 | 0.356 | 0.352 | 0.347 | 0.370 | 0.197 | 0.192 | 0.149 | 0.207 | 0.195 | 0.180 | 0.181 | 0.191 | 0.130 | 0.115 | 0.324 | 0.318 |
| 2019 | 8  | 0.340 | 0.328 | 0.319 | 0.345 | 0.334 | 0.338 | 0.321 | 0.322 | 0.318 | 0.301 | 0.313 | 0.211 | 0.195 | 0.172 | 0.182 | 0.211 | 0.199 | 0.207 | 0.218 | 0.160 | 0.134 | 0.281 | 0.275 |
| 2019 | 9  | 0.254 | 0.252 | 0.263 | 0.275 | 0.265 | 0.276 | 0.270 | 0.274 | 0.267 | 0.267 | 0.288 | 0.272 | 0.247 | 0.224 | 0.212 | 0.250 | 0.236 | 0.239 | 0.235 | 0.203 | 0.166 | 0.377 | 0.363 |
| 2019 | 10 | 0.175 | 0.171 | 0.163 | 0.169 | 0.168 | 0.163 | 0.163 | 0.166 | 0.169 | 0.173 | 0.174 | 0.387 | 0.344 | 0.346 | 0.265 | 0.336 | 0.305 | 0.332 | 0.340 | 0.336 | 0.282 | 0.520 | 0.518 |
| 2019 | 11 | 0.117 | 0.120 | 0.118 | 0.121 | 0.127 | 0.138 | 0.150 | 0.155 | 0.159 | 0.166 | 0.162 | 0.389 | 0.354 | 0.339 | 0.303 | 0.360 | 0.379 | 0.413 | 0.456 | 0.350 | 0.263 | 0.523 | 0.520 |
| 2019 | 12 | 0.084 | 0.085 | 0.088 | 0.094 | 0.092 | 0.099 | 0.099 | 0.102 | 0.109 | 0.110 | 0.107 | 0.474 | 0.440 | 0.408 | 0.357 | 0.408 | 0.380 | 0.456 | 0.466 | 0.377 | 0.322 | 0.550 | 0.537 |
| 2020 | 1  | 0.096 | 0.107 | 0.105 | 0.109 | 0.104 | 0.120 | 0.122 | 0.131 | 0.132 | 0.136 | 0.141 | 0.437 | 0.415 | 0.379 | 0.287 | 0.358 | 0.368 | 0.435 | 0.460 | 0.323 | 0.269 | 0.519 | 0.504 |
| 2020 | 2  | 0.146 | 0.146 | 0.149 | 0.172 | 0.152 | 0.163 | 0.162 | 0.169 | 0.169 | 0.171 | 0.179 | 0.416 | 0.400 | 0.333 | 0.330 | 0.361 | 0.363 | 0.391 | 0.398 | 0.288 | 0.215 | 0.487 | 0.469 |
| 2020 | 3  | 0.196 | 0.202 | 0.207 | 0.241 | 0.219 | 0.239 | 0.238 | 0.241 | 0.239 | 0.237 | 0.248 | 0.397 | 0.376 | 0.361 | 0.342 | 0.369 | 0.362 | 0.393 | 0.423 | 0.339 | 0.266 | 0.527 | 0.540 |
| 2020 | 4  | 0.276 | 0.264 | 0.263 | 0.281 | 0.272 | 0.272 | 0.255 | 0.246 | 0.251 | 0.258 | 0.261 | 0.369 | 0.345 | 0.359 | 0.352 | 0.393 | 0.442 | 0.443 | 0.512 | 0.437 | 0.352 | 0.590 | 0.587 |
| 2020 | 5  | 0.308 | 0.312 | 0.331 | 0.364 | 0.344 | 0.371 | 0.355 | 0.342 | 0.351 | 0.345 | 0.352 | 0.317 | 0.296 | 0.287 | 0.250 | 0.298 | 0.345 | 0.346 | 0.379 | 0.307 | 0.233 | 0.529 | 0.532 |
| 2020 | 6  | 0.423 | 0.414 | 0.396 | 0.346 | 0.385 | 0.364 | 0.371 | 0.371 | 0.368 | 0.366 | 0.367 | 0.233 | 0.219 | 0.191 | 0.210 | 0.232 | 0.217 | 0.211 | 0.219 | 0.160 | 0.147 | 0.371 | 0.367 |
| 2020 | 7  | 0.377 | 0.378 | 0.380 | 0.361 | 0.372 | 0.365 | 0.336 | 0.329 | 0.335 | 0.336 | 0.339 | 0.216 | 0.207 | 0.177 | 0.225 | 0.225 | 0.209 | 0.209 | 0.232 | 0.167 | 0.141 | 0.320 | 0.326 |
| 2020 | 8  | 0.337 | 0.337 | 0.338 | 0.332 | 0.337 | 0.336 | 0.316 | 0.303 | 0.296 | 0.286 | 0.293 | 0.220 | 0.217 | 0.183 | 0.196 | 0.220 | 0.203 | 0.218 | 0.249 | 0.196 | 0.168 | 0.318 | 0.303 |
| 2020 | 9  | 0.262 | 0.256 | 0.264 | 0.246 | 0.267 | 0.270 | 0.258 | 0.262 | 0.263 | 0.257 | 0.257 | 0.304 | 0.278 | 0.274 | 0.257 | 0.301 | 0.275 | 0.272 | 0.286 | 0.216 | 0.151 | 0.360 | 0.360 |
| 2020 | 10 | 0.155 | 0.150 | 0.151 | 0.158 | 0.161 | 0.177 | 0.182 | 0.174 | 0.171 | 0.170 | 0.173 | 0.333 | 0.307 | 0.304 | 0.283 | 0.315 | 0.289 | 0.306 | 0.304 | 0.278 | 0.208 | 0.421 | 0.407 |
| 2020 | 11 | 0.118 | 0.119 | 0.116 | 0.115 | 0.122 | 0.127 | 0.137 | 0.143 | 0.148 | 0.153 | 0.153 | 0.477 | 0.456 | 0.418 | 0.420 | 0.442 | 0.392 | 0.426 | 0.439 | 0.328 | 0.258 | 0.483 | 0.487 |
| 2020 | 12 | 0.083 | 0.089 | 0.086 | 0.082 | 0.086 | 0.094 | 0.105 | 0.111 | 0.113 | 0.116 | 0.112 | 0.448 | 0.422 | 0.400 | 0.366 | 0.407 | 0.437 | 0.468 | 0.510 | 0.368 | 0.306 | 0.578 | 0.566 |
| 2021 | 1  | 0.093 | 0.099 | 0.100 | 0.107 | 0.103 | 0.121 | 0.122 | 0.128 | 0.141 | 0.146 | 0.146 | 0.311 | 0.284 | 0.282 | 0.224 | 0.260 | 0.344 | 0.411 | 0.476 | 0.383 | 0.276 | 0.545 | 0.533 |
| 2021 | 2  | 0.148 | 0.143 | 0.142 | 0.177 | 0.145 | 0.152 | 0.148 | 0.145 | 0.146 | 0.149 | 0.158 | 0.362 | 0.350 |       |       |       |       |       |       |       |       |       |       |

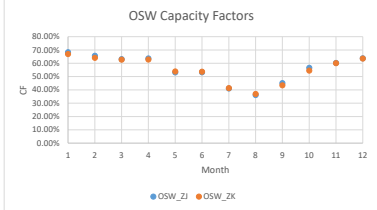
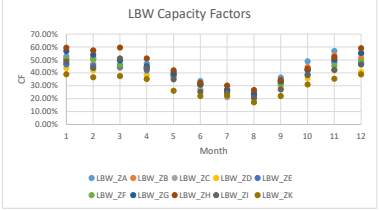
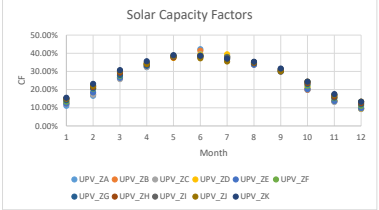
|                   |                   |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | 2022              | 10 | 0.198 | 0.200 | 0.198 | 0.211 | 0.203 | 0.204 | 0.194 | 0.196 | 0.200 | 0.200 | 0.202 | 0.376 | 0.332 | 0.289 | 0.218 | 0.283 | 0.237 | 0.270 | 0.317 | 0.297 | 0.222 |       |       |
|                   | 2022              | 11 | 0.121 | 0.126 | 0.124 | 0.117 | 0.128 | 0.146 | 0.154 | 0.160 | 0.165 | 0.171 | 0.172 | 0.455 | 0.423 | 0.397 | 0.365 | 0.416 | 0.399 | 0.449 | 0.440 | 0.339 | 0.276 |       |       |
|                   | 2022              | 12 | 0.081 | 0.083 | 0.083 | 0.084 | 0.087 | 0.099 | 0.112 | 0.120 | 0.128 | 0.128 | 0.130 | 0.467 | 0.435 | 0.417 | 0.350 | 0.422 | 0.413 | 0.461 | 0.527 | 0.395 | 0.321 |       |       |
|                   |                   |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Max<br>Avg<br>Min | Max<br>Avg<br>Min |    | 0.423 | 0.414 | 0.396 | 0.395 | 0.386 | 0.388 | 0.382 | 0.385 | 0.382 | 0.386 | 0.390 | 0.569 | 0.534 | 0.486 | 0.444 | 0.490 | 0.505 | 0.569 | 0.596 | 0.512 | 0.389 | 0.683 | 0.669 |
|                   |                   |    | 0.223 | 0.223 | 0.224 | 0.231 | 0.226 | 0.232 | 0.231 | 0.233 | 0.236 | 0.235 | 0.241 | 0.343 | 0.322 | 0.303 | 0.278 | 0.317 | 0.324 | 0.347 | 0.369 | 0.291 | 0.233 | 0.467 | 0.461 |
|                   |                   |    | 0.064 | 0.069 | 0.067 | 0.067 | 0.068 | 0.076 | 0.084 | 0.091 | 0.092 | 0.093 | 0.096 | 0.147 | 0.131 | 0.122 | 0.123 | 0.144 | 0.164 | 0.181 | 0.190 | 0.130 | 0.098 | 0.192 | 0.193 |

| Year       | Month | NYISO UPV |        |        |        |        |        |        |        |        |        |        |        | NYISO LBW |        |        |        |        |        |        |        |        |        |        |        | NYISO OSW |  |
|------------|-------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--|
|            |       | UPV_ZA    | UPV_ZB | UPV_ZC | UPV_ZD | UPV_ZE | UPV_ZF | UPV_ZG | UPV_ZH | UPV_ZI | UPV_ZJ | UPV_ZK | LBW_ZA | LBW_ZB    | LBW_ZC | LBW_ZD | LBW_ZE | LBW_ZF | LBW_ZG | LBW_ZH | LBW_ZI | LBW_ZJ | LBW_ZK | OSW_ZI | OSW_ZK |           |  |
| Avg        | 1     | 9.58%     | 10.44% | 10.35% | 11.04% | 10.55% | 12.06% | 12.72% | 13.30% | 13.83% | 13.53% | 13.82% | 45.65% | 42.92%    | 38.91% | 34.28% | 38.47% | 40.84% | 45.77% | 47.33% | 36.58% | 30.12% | 57.41% | 56.09% |        |           |  |
| Avg        | 2     | 14.68%    | 15.07% | 15.05% | 17.14% | 15.77% | 17.52% | 17.95% | 18.50% | 18.76% | 18.66% | 19.28% | 43.94% | 42.05%    | 38.67% | 34.74% | 38.74% | 41.34% | 44.98% | 47.08% | 36.17% | 29.65% | 55.44% | 54.46% |        |           |  |
| Avg        | 3     | 21.78%    | 21.95% | 22.34% | 24.57% | 23.06% | 23.94% | 24.08% | 24.20% | 24.50% | 24.55% | 25.25% | 38.92% | 37.51%    | 37.17% | 32.67% | 36.86% | 40.85% | 43.70% | 47.84% | 37.98% | 29.79% | 55.02% | 54.63% |        |           |  |
| Avg        | 4     | 27.78%    | 27.66% | 27.73% | 28.69% | 27.93% | 28.42% | 28.23% | 28.25% | 28.73% | 28.71% | 29.48% | 37.06% | 35.26%    | 34.72% | 30.97% | 35.88% | 37.78% | 39.57% | 43.39% | 34.64% | 27.46% | 53.54% | 53.00% |        |           |  |
| Avg        | 5     | 32.31%    | 32.03% | 31.99% | 32.49% | 31.77% | 31.47% | 30.34% | 30.16% | 30.63% | 30.40% | 31.31% | 29.58% | 27.91%    | 26.48% | 24.33% | 28.42% | 29.78% | 30.44% | 32.64% | 27.06% | 19.79% | 45.62% | 46.22% |        |           |  |
| Avg        | 6     | 34.56%    | 34.17% | 33.80% | 33.70% | 33.57% | 33.24% | 32.38% | 32.20% | 32.43% | 32.57% | 33.38% | 25.51% | 24.18%    | 22.12% | 22.27% | 25.24% | 25.49% | 25.75% | 27.59% | 20.98% | 16.76% | 41.42% | 41.92% |        |           |  |
| Avg        | 7     | 34.40%    | 34.21% | 34.39% | 35.14% | 34.44% | 34.27% | 33.50% | 33.23% | 33.40% | 32.86% | 33.68% | 21.30% | 20.63%    | 17.70% | 20.37% | 21.64% | 20.98% | 21.47% | 23.26% | 17.43% | 15.24% | 33.24% | 33.48% |        |           |  |
| Avg        | 8     | 31.35%    | 31.08% | 31.11% | 31.91% | 31.22% | 31.33% | 30.08% | 29.83% | 29.81% | 29.49% | 30.40% | 20.77% | 19.45%    | 17.63% | 18.15% | 21.03% | 19.66% | 20.72% | 22.14% | 17.13% | 14.28% | 29.28% | 28.78% |        |           |  |
| Avg        | 9     | 25.33%    | 25.19% | 25.38% | 26.38% | 25.82% | 26.04% | 25.58% | 25.60% | 25.81% | 25.41% | 26.27% | 25.84% | 23.37%    | 22.38% | 21.61% | 24.62% | 23.03% | 24.36% | 26.55% | 22.60% | 16.87% | 35.69% | 34.60% |        |           |  |
| Avg        | 10    | 16.36%    | 16.35% | 16.59% | 16.75% | 17.11% | 17.75% | 18.30% | 18.74% | 19.06% | 19.08% | 19.39% | 36.51% | 33.12%    | 31.71% | 27.75% | 32.91% | 31.85% | 34.32% | 36.31% | 30.58% | 24.12% | 48.23% | 46.12% |        |           |  |
| Avg        | 11    | 11.42%    | 11.63% | 11.62% | 11.45% | 12.08% | 13.02% | 13.95% | 14.55% | 14.85% | 14.97% | 15.20% | 41.43% | 38.30%    | 36.49% | 32.06% | 36.88% | 36.82% | 40.37% | 42.66% | 32.95% | 26.66% | 50.69% | 50.13% |        |           |  |
| Avg        | 12    | 7.89%     | 8.30%  | 8.20%  | 8.40%  | 8.39%  | 9.36%  | 10.28% | 10.88% | 11.51% | 11.68% | 11.55% | 44.76% | 42.20%    | 39.61% | 34.06% | 39.19% | 39.82% | 44.77% | 46.02% | 34.92% | 29.30% | 54.23% | 53.52% |        |           |  |
| Max        |       | 0.346     | 0.342  | 0.344  | 0.351  | 0.344  | 0.343  | 0.335  | 0.332  | 0.334  | 0.329  | 0.337  | 0.457  | 0.429     | 0.396  | 0.347  | 0.392  | 0.413  | 0.458  | 0.478  | 0.380  | 0.301  | 0.574  | 0.561  |        |           |  |
| Avg        |       | 0.223     | 0.223  | 0.224  | 0.231  | 0.226  | 0.232  | 0.231  | 0.233  | 0.236  | 0.235  | 0.241  | 0.343  | 0.322     | 0.303  | 0.278  | 0.317  | 0.324  | 0.347  | 0.369  | 0.291  | 0.233  | 0.467  | 0.461  |        |           |  |
| Min        |       | 0.079     | 0.083  | 0.082  | 0.084  | 0.084  | 0.094  | 0.103  | 0.109  | 0.115  | 0.117  | 0.115  | 0.208  | 0.195     | 0.176  | 0.181  | 0.210  | 0.197  | 0.207  | 0.221  | 0.171  | 0.143  | 0.293  | 0.288  |        |           |  |
| Spread     |       | 0.267     | 0.259  | 0.262  | 0.267  | 0.261  | 0.249  | 0.232  | 0.224  | 0.219  | 0.212  | 0.221  | 0.249  | 0.235     | 0.220  | 0.166  | 0.182  | 0.217  | 0.251  | 0.257  | 0.208  | 0.158  | 0.281  | 0.273  |        |           |  |
| Spread/Avg |       | 119.7%    | 116.0% | 117.0% | 115.6% | 115.1% | 107.4% | 100.5% | 96.0%  | 92.7%  | 90.2%  | 91.9%  | 72.6%  | 72.8%     | 72.5%  | 59.8%  | 57.4%  | 67.0%  | 72.2%  | 69.7%  | 71.7%  | 67.9%  | 60.3%  | 59.3%  |        |           |  |



MAX

| Year       | Month | NYISO UPV |        |        |        |        |        |        |        |        |        |        |        | NYISO LBW |        |        |        |        |        |        |        |        |        |        |        | NYISO OSW |  |  |
|------------|-------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--|--|
|            |       | UPV_ZA    | UPV_ZB | UPV_ZC | UPV_ZD | UPV_ZE | UPV_ZF | UPV_ZG | UPV_ZH | UPV_ZI | UPV_ZJ | UPV_ZK | LBW_ZA | LBW_ZB    | LBW_ZC | LBW_ZD | LBW_ZE | LBW_ZF | LBW_ZG | LBW_ZH | LBW_ZI | LBW_ZJ | LBW_ZK | OSW_ZI | OSW_ZJ | OSW_ZK    |  |  |
| Avg        | 1     | 11.13%    | 12.24% | 12.28% | 13.20% | 12.32% | 13.43% | 14.12% | 14.97% | 15.13% | 15.06% | 15.53% | 52.78% | 51.01%    | 46.95% | 43.78% | 46.57% | 50.51% | 56.86% | 59.51% | 48.69% |        |        | 38.91% | 68.31% | 66.94%    |  |  |
| Avg        | 2     | 16.65%    | 17.49% | 17.29% | 20.51% | 18.47% | 20.50% | 20.79% | 21.42% | 22.11% | 21.97% | 23.21% | 51.94% | 50.89%    | 47.00% | 42.16% | 45.53% | 50.35% | 54.11% | 57.44% | 43.87% |        |        | 36.61% | 65.64% | 64.13%    |  |  |
| Avg        | 3     | 26.53%    | 26.60% | 25.77% | 29.62% | 26.51% | 27.62% | 28.07% | 29.37% | 30.31% | 30.40% | 30.74% | 46.08% | 44.03%    | 44.44% | 44.36% | 44.65% | 46.11% | 49.60% | 59.58% | 51.18% |        |        | 37.52% | 63.14% | 62.71%    |  |  |
| Avg        | 4     | 32.35%    | 32.70% | 32.61% | 34.85% | 33.42% | 33.69% | 33.13% | 34.04% | 34.54% | 34.13% | 35.61% | 47.18% | 43.85%    | 43.20% | 38.37% | 41.99% | 44.16% | 45.14% | 51.16% | 43.73% |        |        | 35.25% | 63.68% | 62.88%    |  |  |
| Avg        | 5     | 38.14%    | 38.36% | 38.48% | 37.46% | 38.36% | 38.60% | 38.20% | 37.62% | 38.24% | 38.56% | 38.97% | 37.42% | 37.46%    | 37.34% | 37.81% | 40.60% | 38.83% | 39.07% | 41.97% | 34.97% |        |        | 26.10% | 53.13% | 53.85%    |  |  |
| Avg        | 6     | 42.27%    | 41.45% | 39.58% | 39.26% | 38.55% | 38.80% | 38.08% | 38.50% | 37.87% | 37.24% | 38.65% | 33.67% | 31.16%    | 27.58% | 30.45% | 31.08% | 30.77% | 31.00% | 32.25% | 25.34% |        |        | 22.04% | 53.29% | 53.72%    |  |  |
| Avg        | 7     | 38.46%    | 38.47% | 38.44% | 39.45% | 37.97% | 37.98% | 36.81% | 37.50% | 37.78% | 35.51% | 37.03% | 26.34% | 25.98%    | 21.13% | 25.95% | 26.86% | 25.78% | 26.60% | 30.20% | 24.66% |        |        | 22.53% | 41.11% | 41.35%    |  |  |
| Avg        | 8     | 34.17%    | 33.73% | 33.81% | 35.07% | 33.70% | 34.60% | 34.45% | 34.68% | 35.19% | 35.04% | 35.37% | 24.41% | 22.99%    | 20.18% | 21.09% | 23.99% | 22.26% | 23.36% | 26.67% | 20.83% |        |        | 17.18% | 36.15% | 37.01%    |  |  |
| Avg        | 9     | 29.88%    | 29.95% | 31.22% | 31.08% | 30.85% | 30.26% | 29.98% | 30.59% | 31.31% | 30.16% | 31.60% | 36.42% | 33.55%    | 30.54% | 28.71% | 32.36% | 31.20% | 33.43% | 34.42% | 27.16% |        |        | 22.05% | 45.09% | 43.51%    |  |  |
| Avg        | 10    | 19.84%    | 19.96% | 20.35% | 21.14% | 20.30% | 22.19% | 23.04% | 23.60% | 24.35% | 24.35% | 24.38% | 48.91% | 44.63%    | 42.32% | 35.84% | 42.33% | 38.75% | 42.16% | 43.15% | 38.29% |        |        | 31.03% | 56.60% | 54.49%    |  |  |
| Avg        | 11    | 13.42%    | 13.79% | 13.21% | 13.92% | 13.74% | 15.27% | 15.62% | 16.14% | 16.98% | 17.08% | 17.52% | 56.92% | 53.41%    | 47.96% | 41.99% | 48.98% | 45.65% | 50.64% | 52.20% | 42.35% |        |        | 35.44% | 60.31% | 60.07%    |  |  |
| Avg        | 12    | 9.38%     | 9.84%  | 9.31%  | 9.59%  | 9.78%  | 11.10% | 11.93% | 12.53% | 13.34% | 13.40% | 13.37% | 54.66% | 51.42%    | 48.64% | 40.65% | 47.17% | 48.93% | 55.55% | 59.07% | 46.48% |        |        | 38.83% | 63.78% | 63.59%    |  |  |
| Max        |       | 0.423     | 0.414  | 0.396  | 0.395  | 0.386  | 0.388  | 0.382  | 0.385  | 0.382  | 0.386  | 0.390  | 0.569  | 0.534     | 0.486  | 0.444  | 0.490  | 0.505  | 0.569  | 0.596  | 0.512  |        |        | 0.389  | 0.683  | 0.669     |  |  |
| Av         |       | 0.260     | 0.262  | 0.260  | 0.271  | 0.262  | 0.270  | 0.270  | 0.276  | 0.281  | 0.277  | 0.285  | 0.431  | 0.409     | 0.381  | 0.359  | 0.393  | 0.394  | 0.423  | 0.456  | 0.373  |        |        | 0.303  | 0.559  | 0.554     |  |  |
| Min        |       | 0.094     | 0.098  | 0.093  | 0.096  | 0.098  | 0.111  | 0.119  | 0.125  | 0.133  | 0.134  | 0.134  | 0.244  | 0.230     | 0.202  | 0.211  | 0.240  | 0.223  | 0.234  | 0.267  | 0.208  |        |        | 0.172  | 0.361  | 0.370     |  |  |
| Spread     |       | 0.329     | 0.316  | 0.303  | 0.299  | 0.288  | 0.277  | 0.263  | 0.260  | 0.249  | 0.252  | 0.256  | 0.325  | 0.304     | 0.285  | 0.233  | 0.250  | 0.283  | 0.335  | 0.329  | 0.303  |        |        | 0.217  | 0.322  | 0.299     |  |  |
| Spread/Avg |       | 126.4%    | 120.6% | 116.3% | 110.2% | 110.0% | 102.6% | 97.2%  | 94.1%  | 88.6%  | 90.7%  | 89.9%  | 75.5%  | 74.4%     | 74.7%  | 64.8%  | 63.5%  | 71.6%  | 79.2%  | 72.1%  | 81.4%  |        |        | 71.7%  | 57.6%  | 54.1%     |  |  |



Min

| Year       | Month | NYISO UPV |        |        |        |        |        |        |        |        |        |        |        | NYISO LBW |        |        |        |        |        |        |        |        |        |        |        | NYISO OSW |  |  |
|------------|-------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--|--|
|            |       | UPV_ZA    | UPV_ZB | UPV_ZC | UPV_ZD | UPV_ZE | UPV_ZF | UPV_ZG | UPV_ZH | UPV_ZI | UPV_ZJ | UPV_ZK | LBW_ZA | LBW_ZB    | LBW_ZC | LBW_ZD | LBW_ZE | LBW_ZF | LBW_ZG | LBW_ZH | LBW_ZI | LBW_ZJ | LBW_ZK | OSW_ZI | OSW_ZJ | OSW_ZK    |  |  |
| Avg        | 1     | 8.18%     | 8.64%  | 8.50%  | 8.40%  | 8.55%  | 9.86%  | 10.48% | 10.14% | 10.52% | 10.92% | 11.14% | 31.08% | 28.40%    | 27.30% | 21.86% | 26.00% | 32.37% | 37.53% | 38.57% | 25.93% |        |        | 20.86% | 45.66% | 43.55%    |  |  |
| Avg        | 2     | 12.64%    | 12.74% | 12.87% | 15.54% | 14.20% | 15.17% | 14.78% | 14.52% | 14.62% | 14.90% | 15.55% | 32.64% | 30.17%    | 29.31% | 22.57% | 26.83% | 30.54% | 32.79% | 37.56% | 28.84% |        |        | 21.46% | 47.47% | 46.86%    |  |  |
| Avg        | 3     | 17.39%    | 17.80% | 19.60% | 21.56% | 20.26% | 21.06% | 20.45% | 20.75% | 20.69% | 21.16% | 21.67% | 29.30% | 29.92%    | 31.90% | 24.68% | 31.01% | 31.84% | 35.45% | 35.21% | 29.31% |        |        | 22.50% | 46.88% | 46.20%    |  |  |
| Avg        | 4     | 21.83%    | 22.12% | 21.98% | 24.10% | 22.74% | 23.81% | 22.58% | 21.94% | 22.60% | 23.07% | 23.64% | 29.88% | 27.26%    | 26.99% | 21.73% | 27.75% | 30.38% | 30.25% | 32.88% | 23.84% |        |        | 18.43% | 43.78% | 44.09%    |  |  |
| Avg        | 5     | 26.68%    | 26.37% | 26.72% | 26.49% | 26.58% | 26.58% | 24.08% | 24.76% | 25.14% | 22.53% | 25.47% | 19.45% | 18.15%    | 18.49% | 15.34% | 21.89% | 23.23% | 23.70% | 25.78% | 20.22% |        |        | 14.92% | 38.30% | 39.07%    |  |  |
| Avg        | 6     | 30.36%    | 30.05% | 28.67% | 28.32% | 29.37% | 27.22% | 25.39% | 24.38% | 25.25% | 24.57% | 25.52% | 18.76% | 16.48%    | 16.39% | 12.35% | 17.11% | 18.95% | 18.66% | 21.54% | 14.60% |        |        | 13.46% | 31.41% | 32.02%    |  |  |
| Avg        | 7     | 26.62%    | 25.92% | 27.23% | 27.73% | 28.32% | 27.76% | 27.47% | 26.21% | 27.22% | 28.71% | 28.63% | 16.12% | 15.27%    | 14.86% | 15.76% | 17.11% | 17.78% | 18.14% | 19.13% | 13.01% |        |        | 11.49% | 27.91% | 27.83%    |  |  |
| Avg        | 8     | 27.17%    | 26.95% | 26.37% | 28.75% | 27.48% | 27.54% | 26.03% | 24.06% | 24.46% | 24.50% | 25.40% | 14.75% | 14.75%    | 13.68% | 12.91% | 15.54% | 16.70% | 18.16% | 18.95% | 13.26% |        |        | 9.77%  | 19.23% | 19.30%    |  |  |
| Avg        | 9     | 20.38%    | 20.32% | 20.55% | 20.70% | 21.24% | 21.13% | 18.39% | 17.93% | 18.02% | 18.24% | 19.43% | 15.05% | 13.05%    | 12.19% | 14.80% | 14.45% | 16.41% | 18.19% | 21.30% | 19.22% |        |        | 12.99% | 29.54% | 29.22%    |  |  |
| Avg        | 10    | 13.14%    | 13.27% | 13.75% | 14.03% | 14.16% | 14.50% | 14.06% | 14.09% | 14.48% | 14.80% | 15.18% | 28.65% | 27.09%    | 25.84% | 19.33% | 25.90% | 23.73% | 26.99% | 30.41% | 24.49% |        |        | 18.87% | 42.06% | 39.66%    |  |  |
| Avg        | 11    | 9.41%     | 9.90%  | 9.36%  | 9.01%  | 9.83%  | 10.45% | 11.09% | 11.64% | 12.22% | 12.56% | 12.40% | 29.85% | 26.93%    | 26.33% | 20.97% | 26.73% | 27.60% | 30.90% | 33.82% | 26.79% |        |        | 20.54% | 42.36% | 41.40%    |  |  |
| Avg        | 12    | 6.44%     | 6.93%  | 6.70%  | 6.74%  | 6.80%  | 7.64%  | 8.37%  | 9.06%  | 9.18%  | 9.33%  | 9.56%  | 35.72% | 34.48%    | 33.48% | 27.95% | 32.85% | 32.42% | 39.02% | 37.95% | 28.33% |        |        | 22.19% | 44.26% | 43.94%    |  |  |
| Max        |       | 0.304     | 0.300  | 0.287  | 0.288  | 0.294  | 0.278  | 0.275  | 0.262  | 0.272  | 0.287  | 0.286  | 0.357  | 0.345     | 0.335  | 0.280  | 0.328  | 0.324  | 0.390  | 0.386  | 0.293  |        |        | 0.225  | 0.475  | 0.469     |  |  |
| Av         |       | 0.184     | 0.184  | 0.185  | 0.193  | 0.191  | 0.194  | 0.186  | 0.183  | 0.187  | 0.188  | 0.195  | 0.251  | 0.235     | 0.231  | 0.192  | 0.236  | 0.252  | 0.275  | 0.294  | 0.223  |        |        | 0.173  | 0.382  | 0.378     |  |  |
| Min        |       | 0.064     | 0.069  | 0.067  | 0.067  | 0.068  | 0.076  | 0.084  | 0.091  | 0.092  | 0.093  | 0.096  | 0.147  | 0.131     | 0.122  | 0.123  | 0.144  | 0.164  | 0.181  | 0.190  | 0.130  |        |        | 0.098  | 0.192  | 0.193     |  |  |
| Spread     |       | 0.239     | 0.231  | 0.220  | 0.220  | 0.226  | 0.201  | 0.191  | 0.171  | 0.180  | 0.194  | 0.191  | 0.210  | 0.214     | 0.213  | 0.156  | 0.184  | 0.160  | 0.209  | 0.196  | 0.163  |        |        | 0.127  | 0.282  | 0.276     |  |  |
| Spread/Avg |       | 130.4%    | 125.5% | 118.6% | 114.2% | 118.0% | 103.7% | 102.7% | 93.8%  | 96.5%  | 103.2% | 98.0%  | 83.6%  | 91.2%     | 92.3%  | 81.3%  | 78.0%  | 63.6%  | 76.0%  | 66.7%  | 73.0%  |        |        | 73.6%  | 73.9%  | 73.0%     |  |  |

