## **Appendix 11: Modeled Productivity Trend of Economies**

| USA        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Actual     | 29611    | 30056    | 29210    | 30158    | 32076    | 33023    | 33850    | 34730    | 35863    | 36756    |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 27194.34 | 28138.06 | 29114.53 | 30124.89 | 31170.32 | 32252.02 | 33371.26 | 34529.34 | 35727.61 | 36967.46 |
| Population |          |          |          |          |          |          |          |          |          |          |
| CHN        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 1930     | 1962     | 2128     | 2227     | 2444     | 2619     | 2748     | 2931     | 3045     | 3022     |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 5484.458 | 6698.276 | 8180.736 | 9991.293 | 12202.56 | 14903.23 | 18201.6  | 22229.97 | 27149.9  | 33158.71 |
| Population |          |          |          |          |          |          |          |          |          |          |
| BRA        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 8249     | 7709     | 7587     | 7203     | 7438     | 7862     | 8281     | 8402     | 8230     | 8333     |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 7648.984 | 7714.331 | 7780.237 | 7846.705 | 7913.742 | 7981.351 | 8049.538 | 8118.307 | 8187.664 | 8257.613 |
| Population |          |          |          |          |          |          |          |          |          |          |
| IND        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |

| Actual     | 1495     | 1557     | 1570     | 1663     | 1690     | 1720     | 1755     | 1793     | 1938     | 2024     |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 4604.399 | 5359.34  | 6238.062 | 7260.861 | 8451.358 | 9837.051 | 11449.94 | 13327.29 | 15512.44 | 18055.87 |
| Population |          |          |          |          |          |          |          |          |          |          |
| HKG        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 17086    | 18301    | 18527    | 19349    | 21042    | 20883    | 22823    | 25414    | 27063    | 27377    |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 19195.93 | 20970.89 | 22909.98 | 25028.36 | 27342.62 | 29870.87 | 32632.9  | 35650.31 | 38946.74 | 42547.97 |
| Population |          |          |          |          |          |          |          |          |          |          |
| HTI        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 2063     | 1964     | 1855     | 1835     | 1803     | 1776     | 1729     | 1682     | 1701     | 1619     |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 1733.647 | 1644.65  | 1560.222 | 1480.128 | 1404.145 | 1332.063 | 1263.682 | 1198.81  | 1137.269 | 1078.887 |
| Population |          |          |          |          |          |          |          |          |          |          |
|            |          | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 |
| GRC        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 14300    | 14180    | 14153    | 14132    | 14453    | 14850    | 15047    | 14944    | 15596    | 16117    |
| Population |          |          |          |          |          |          |          |          |          |          |

| Modeled    | 14197.31 | 14431.02 | 14668.57 | 14910.03 | 15155.47 | 15404.94 | 15658.52 | 15916.28 | 16178.28 | 16444.59 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Population |          |          |          |          |          |          |          |          |          |          |
| ISR        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 17508    | 18103    | 18155    | 18468    | 18305    | 18605    | 19160    | 20196    | 20256    | 20091    |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 18425.65 | 18563.59 | 18702.55 | 18842.56 | 18983.61 | 19125.73 | 19268.9  | 19413.15 | 19558.48 | 19704.89 |
| Population |          |          |          |          |          |          |          |          |          |          |
| KEN        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 1675     | 1647     | 1680     | 1627     | 1594     | 1604     | 1658     | 1698     | 1741     | 1761     |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 3930.506 | 3909.092 | 3887.794 | 3866.612 | 3845.546 | 3824.594 | 3803.757 | 3783.033 | 3762.422 | 3741.923 |
| Population |          |          |          |          |          |          |          |          |          |          |
| MWI        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 1004     | 925      | 904      | 913      | 925      | 966      | 936      | 905      | 872      | 864      |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 3181.571 | 2923.895 | 2687.089 | 2469.461 | 2269.46  | 2085.656 | 1916.739 | 1761.502 | 1618.838 | 1487.728 |
| Population |          |          |          |          |          |          |          |          |          |          |
| GBR        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |

| Actual     | 20612    | 20319    | 20650    | 21366    | 21869    | 22579    | 23498    | 24536    | 25679    | 26164    |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 24290.14 | 24688.39 | 25093.17 | 25504.59 | 25922.75 | 26347.77 | 26779.76 | 27218.83 | 27665.1  | 28118.68 |
| Population |          |          |          |          |          |          |          |          |          |          |
| SAU        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 21068    | 21393    | 20535    | 17315    | 16343    | 14422    | 12897    | 12919    | 12795    | 12758    |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 8345.066 | 8619.914 | 8903.816 | 9197.067 | 9499.977 | 9812.864 | 10136.06 | 10469.89 | 10814.72 | 11170.91 |
| Population |          |          |          |          |          |          |          |          |          |          |
| JPN        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 21404    | 21924    | 22440    | 22805    | 23548    | 24437    | 24992    | 25904    | 27393    | 28601    |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 23720.29 | 24325.14 | 24945.41 | 25581.49 | 26233.79 | 26902.73 | 27588.73 | 28292.22 | 29013.64 | 29753.46 |
| Population |          |          |          |          |          |          |          |          |          |          |
| FIN        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 20640    | 20935    | 21495    | 21944    | 22486    | 23148    | 23621    | 24519    | 25644    | 27012    |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 20664.22 | 21002.05 | 21345.39 | 21694.35 | 22049.01 | 22409.48 | 22775.83 | 23148.17 | 23526.61 | 23911.22 |
| Population |          |          |          |          |          |          |          |          |          |          |

| AUS        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Actual     | 22972    | 23368    | 22972    | 22697    | 24009    | 24927    | 25116    | 25971    | 26702    | 27407    |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 22447.41 | 22862.17 | 23284.6  | 23714.82 | 24153    | 24599.28 | 25053.8  | 25516.72 | 25988.19 | 26468.38 |
| Population |          |          |          |          |          |          |          |          |          |          |
|            |          |          |          |          |          |          |          |          |          |          |
| DMA        | 1980     | 1981     | 1982     | 1983     | 1984     | 1985     | 1986     | 1987     | 1988     | 1989     |
| Actual     | 2219     | 2499     | 2592     | 2644     | 2802     | 2872     | 3107     | 3370     | 3687     | 3714     |
| Population |          |          |          |          |          |          |          |          |          |          |
| Modeled    | 1460.285 | 1658.351 | 1883.281 | 2138.72  | 2428.805 | 2758.235 | 3132.348 | 3557.203 | 4039.684 | 4587.606 |
| Population |          |          |          |          |          |          |          |          |          |          |

| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 36982    | 36463.96 | 37240.3  | 37761.54 | 38807.28 | 39390.63 | 40412.75 | 41722.67 | 43072.76 | 44575.85 | 45886.47 | 45878.01 |
| 38250.34 | 39577.74 | 40951.2  | 42372.33 | 43842.77 | 45364.24 | 46938.51 | 48567.42 | 50252.85 | 51996.77 | 53801.21 | 55668.27 |
|          |          |          |          |          |          |          |          |          |          |          |          |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 2982     | 3051.315 | 3227.744 | 3506.48  | 3730.164 | 3999.729 | 4219.644 | 4310.828 | 4309.847 | 4466.736 | 4730.354 | 4995.145 |
| 40497.38 | 49460.24 | 60406.75 | 73775.95 | 90104.01 | 110045.8 | 134401.1 | 164146.7 | 200475.5 | 244844.7 | 299033.6 | 365215.6 |
|          |          |          |          |          |          |          |          |          |          |          |          |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |

| 7842     | 7888.049 | 7812.794 | 8166.236 | 8615.689 | 8951.694 | 9124.516 | 9409.947 | 9419.108 | 9441.759 | 9834.424 | 9953.31  |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 8328.16  | 8399.31  | 8471.067 | 8543.437 | 8616.426 | 8690.039 | 8764.28  | 8839.155 | 8914.67  | 8990.831 | 9067.642 | 9145.109 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 2087     | 2062.31  | 2115.257 | 2176.428 | 2254.899 | 2355.963 | 2475.568 | 2514.022 | 2611.781 | 2707.741 | 2753.086 | 2837.856 |
| 21016.33 | 24462.19 | 28473.03 | 33141.5  | 38575.41 | 44900.27 | 52262.16 | 60831.11 | 70805.03 | 82414.29 | 95927.02 | 111655.3 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 27960    | 29008.7  | 30202.54 | 31242.2  | 32219.36 | 31941.91 | 32261.8  | 33385.82 | 30866.43 | 31134.17 | 32894.01 | 32734.2  |
| 46482.19 | 50780.19 | 55475.6  | 60605.18 | 66209.07 | 72331.13 | 79019.26 | 86325.82 | 94307.98 | 103028.2 | 112554.8 | 122962.2 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 1602     | 1628.719 | 1535.971 | 1443.181 | 1262.337 | 1378.542 | 1426.413 | 1456.234 | 1480.577 | 1513.332 | 1520.729 | 1501.103 |
| 1023.503 | 970.961  | 921.1166 | 873.831  | 828.9728 | 786.4174 | 746.0465 | 707.7482 | 671.4158 | 636.9486 | 604.2508 | 573.2315 |
| 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 15964    | 16409.69 | 16545.96 | 16331.31 | 16724.29 | 17148.2  | 17719.56 | 18588.3  | 19378.71 | 20076.56 | 20965.33 | 21913.8  |
| 16715.29 | 16990.44 | 17270.13 | 17554.41 | 17843.38 | 18137.1  | 18435.66 | 18739.13 | 19047.6  | 19361.14 | 19679.85 | 20003.8  |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 20829    | 20912.94 | 21531.6  | 21484.98 | 22128.8  | 23378.16 | 23980    | 24226.73 | 24506.16 | 24644.2  | 26058.84 | 25427.32 |

| 19852.4  | 20001.02 | 20150.74 | 20301.59 | 20453.57 | 20606.69 | 20760.95 | 20916.36 | 21072.94 | 21230.7  | 21389.63 | 21549.75 |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1000     | 1001     | 1000     | 1002     | 1001     | 4005     | 1006     | 100=     | 1000     | 1000     | 2000     | 2001     |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 1780     | 1777.784 | 1724.874 | 1698.254 | 1729.717 | 1789.895 | 1851.281 | 1846.374 | 1889.973 | 1920.834 | 1914.886 | 1972.381 |
| 3721.536 | 3701.26  | 3681.095 | 3661.039 | 3641.093 | 3621.255 | 3601.525 | 3581.903 | 3562.388 | 3542.979 | 3523.676 | 3504.478 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 861      | 899.9751 | 802.9305 | 865.7632 | 791.5501 | 906.879  | 972.8214 | 1005.852 | 986.0287 | 989.8359 | 967.0872 | 899.2305 |
| 1367.237 | 1256.505 | 1154.74  | 1061.218 | 975.2698 | 896.2827 | 823.6927 | 756.9818 | 695.6738 | 639.3312 | 587.5518 | 539.9659 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 26189    | 25792.01 | 25790.18 | 26349.34 | 27277.54 | 27861.22 | 28472.25 | 29259.76 | 30077.38 | 30932.54 | 31946.04 | 32660.44 |
| 28579.7  | 29048.29 | 29524.55 | 30008.62 | 30500.63 | 31000.71 | 31508.99 | 32025.59 | 32550.67 | 33084.36 | 33626.8  | 34178.13 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 14335    | 16830.41 | 17905.28 | 18101.09 | 18678.93 | 19223.33 | 20280.49 | 21087.43 | 22310.92 | 22058.57 | 23904.52 | 24192    |
| 11538.83 | 11918.87 | 12311.42 | 12716.9  | 13135.74 | 13568.37 | 14015.26 | 14476.85 | 14953.66 | 15446.16 | 15954.89 | 16480.37 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 29949    | 30837.43 | 30977.81 | 30920.66 | 31135.43 | 31887.28 | 32784.16 | 33038.29 | 32558.19 | 32394.52 | 33210.81 | 33246.39 |
| 30512.15 | 31290.18 | 32088.05 | 32906.27 | 33745.35 | 34605.82 | 35488.24 | 36393.16 | 37321.15 | 38272.81 | 39248.73 | 40249.53 |
|          |          |          |          |          |          |          |          |          |          |          |          |

| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 26884    | 25174.9  | 24219.76 | 23943.74 | 24797.66 | 25761.62 | 26637.27 | 28239.87 | 29715.34 | 30986.89 | 32689.77 | 33481.68 |
| 24302.13 | 24699.43 | 25103.22 | 25513.61 | 25930.71 | 26354.63 | 26785.48 | 27223.38 | 27668.43 | 28120.76 | 28580.48 | 29047.72 |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 1770     | 1771     | 1772     | 1773     | 1774     | 1773     | 1770     | 1777     | 1770     | 1777     | 2000     | 2001     |
| 27373    | 26861.28 | 27560.18 | 28622.48 | 29844.17 | 30690.06 | 31740.47 | 32857.99 | 34337.14 | 35551.02 | 36603.05 | 37275.99 |
| 26957.43 | 27455.53 | 27962.82 | 28479.49 | 29005.71 | 29541.65 | 30087.49 | 30643.42 | 31209.62 | 31786.28 | 32373.59 | 32971.76 |
|          |          |          |          |          |          |          |          |          |          |          |          |
| 1990     | 1991     | 1992     | 1993     | 1994     | 1995     | 1996     | 1997     | 1998     | 1999     | 2000     | 2001     |
| 3939     | 4083.996 | 4271.69  | 4339.817 | 4459.365 | 4606.734 | 4894.842 | 5170.808 | 5462.697 | 5584.024 | 5696.955 | 5799.816 |
| 5209.845 | 5916.482 | 6718.963 | 7630.288 | 8665.221 | 9840.527 | 11175.24 | 12691    | 14412.34 | 16367.15 | 18587.11 | 21108.17 |

| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013    |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| 46266.3  | 47158    | 48492.72 | 49654.76 | 50489.86 | 50901.74 | 50275.75 | 48452.93 | 49266.92 | 49675    | 50394    | 50863   |
| 57600.12 | 59599.01 | 61667.27 | 63807.31 | 66021.61 | 68312.75 | 70683.41 | 73136.33 | 75674.37 | 78300.49 | 81017.75 | 83829.3 |
|          |          |          |          |          |          |          |          |          |          |          |         |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013    |
| 5343.112 | 5649.463 | 6067.591 | 6626.592 | 7271.036 | 7895.713 | 8190.112 | 8734.041 | 9658.419 | 10221    | 10680    | 11328   |
| 446044.9 | 544763.4 | 665330.2 | 812580.8 | 992420.8 | 1212063  | 1480316  | 1807939  | 2208071  | 2696761  | 3293607  | 4022546 |
|          |          |          |          |          |          |          |          |          |          |          |         |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013    |

| 10245.07 | 10354.6  | 10949.66 | 11305.77 | 11766.61 | 12500.01 | 13164.01 | 13180.89 | 14215.61 | 14831    | 14985    | 15306    |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 9223.238 | 9302.034 | 9381.504 | 9461.652 | 9542.486 | 9624.01  | 9706.23  | 9789.153 | 9872.784 | 9957.13  | 10042.2  | 10127.99 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 2870.924 | 3035.923 | 3212.511 | 3396.649 | 3629.411 | 3870.699 | 4030.654 | 4270.708 | 4525.746 | 4768     | 4932     | 5172     |
| 129962.4 | 151271.2 | 176073.7 | 204942.9 | 238545.6 | 277657.7 | 323182.7 | 376172.1 | 437849.6 | 509639.8 | 593200.8 | 690462.6 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 33038.15 | 33594.32 | 36052.99 | 38191.9  | 40172.85 | 42230.89 | 42635.48 | 41076.23 | 43170.55 | 44532    | 44904    | 46040    |
| 134332   | 146753   | 160322.6 | 175147   | 191342   | 209034.5 | 228363   | 249478.7 | 272546.9 | 297748.1 | 325279.5 | 355356.7 |
|          |          |          |          |          |          |          |          |          |          |          |          |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 1494.184 | 1495.892 | 1439.208 | 1461.8   | 1493.038 | 1541.767 | 1555.493 | 1604.113 | 1556.55  | 1648     | 1674     | 1722     |
| 543.8046 | 515.8884 | 489.4052 | 464.2815 | 440.4476 | 417.8371 | 396.3874 | 376.0388 | 356.7348 | 338.4218 | 321.0489 | 304.5678 |
| 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 22893.96 | 24380.07 | 25780.39 | 26091.52 | 27731.11 | 28822.92 | 28907.93 | 27839.9  | 26517.47 | 24349    | 22693    | 22118    |
| 20333.09 | 20667.79 | 21008.01 | 21353.82 | 21705.33 | 22062.63 | 22425.8  | 22794.96 | 23170.19 | 23551.6  | 23939.28 | 24333.35 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 24823.55 | 24545.25 | 25210.88 | 25686.41 | 26571.26 | 27624.88 | 27857.62 | 27644.7  | 28575.53 | 29370    | 29517    | 30257    |

| 21711.07 | 21873.6  | 22037.35 | 22202.32 | 22368.53 | 22535.98 | 22704.68 | 22874.65 | 23045.89 | 23218.41 | 23392.22 | 23567.34 |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          |          |          |          |          |          |          |          |          |          |          |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 1961.895 | 1997.777 | 2066.21  | 2157.842 | 2255.259 | 2380.776 | 2357.233 | 2404.63  | 2579.531 | 2712     | 2765     | 2854     |
| 3485.385 | 3466.396 | 3447.51  | 3428.727 | 3410.046 | 3391.467 | 3372.99  | 3354.613 | 3336.336 | 3318.159 | 3300.08  | 3282.101 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 886.1978 | 905.7955 | 922.7613 | 920.0499 | 929.4762 | 982.3916 | 1017.821 | 1061.95  | 1091.588 | 1102     | 1085     | 1104     |
| 496.2341 | 456.0441 | 419.1091 | 385.1654 | 353.9709 | 325.3027 | 298.9565 | 274.744  | 252.4925 | 232.0431 | 213.2499 | 195.9788 |
|          |          |          |          |          |          |          |          |          |          |          |          |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 33271.3  | 34232.43 | 34865.78 | 35623.63 | 36214.07 | 36816.68 | 36264.79 | 34402.36 | 34754.47 | 34971    | 35185    | 35618    |
| 34738.5  | 35308.06 | 35886.96 | 36475.35 | 37073.38 | 37681.22 | 38299.03 | 38926.97 | 39565.2  | 40213.89 | 40873.22 | 41543.37 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 24053.97 | 27367.09 | 30233.51 | 32700.33 | 34483.04 | 36070.32 | 39393.43 | 39671.56 | 42737.65 | 48470    | 49867    | 50005    |
| 17023.16 | 17583.83 | 18162.96 | 18761.17 | 19379.08 | 20017.33 | 20676.62 | 21357.61 | 22061.03 | 22787.63 | 23538.15 | 24313.39 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 33195.4  | 33619.95 | 34313.56 | 34857.76 | 35333.11 | 35892.71 | 35496.23 | 33590.01 | 35011.4  | 34979    | 35580    | 36354    |
| 41275.86 | 42328.36 | 43407.69 | 44514.55 | 45649.63 | 46813.65 | 48007.36 | 49231.5  | 50486.86 | 51774.23 | 53094.43 | 54448.29 |
|          |          |          |          |          |          |          |          |          |          |          |          |

| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 33986.55 | 34607.22 | 35888.61 | 36787.26 | 38160.7  | 39998.53 | 40129.65 | 36662.61 | 37615.11 | 38432    | 37704    | 37246    |
| 29522.6  | 30005.24 | 30495.78 | 30994.33 | 31501.03 | 32016.02 | 32539.42 | 33071.38 | 33612.04 | 34161.54 | 34720.02 | 35287.63 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 38567.07 | 39523.66 | 40887.73 | 41904.45 | 42650.99 | 44033.58 | 44421.64 | 44686.54 | 45400.22 | 46132    | 46999    | 47250    |
| 33580.98 | 34201.46 | 34833.4  | 35477.01 | 36132.52 | 36800.14 | 37480.1  | 38172.62 | 38877.94 | 39596.29 | 40327.91 | 41073.05 |
| 2002     | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     |
| 5771.375 | 6321.956 | 6602.7   | 6697.535 | 7133.781 | 7698.774 | 8454.063 | 8511.858 | 8768.477 | 8944     | 8823     | 9145     |
| 23971.17 | 27222.5  | 30914.82 | 35107.95 | 39869.81 | 45277.54 | 51418.75 | 58392.93 | 66313.04 | 75307.4  | 85521.71 | 97121.43 |

| 2014     | 2015    | 2016     | 2017     | 2018     |
|----------|---------|----------|----------|----------|
| 51664    | 52591   | 53015    | 54007.77 | 55334.74 |
| 86738.43 | 89748.5 | 92863.04 | 96085.66 | 99420.11 |
|          |         |          |          |          |
| 2014     | 2015    | 2016     | 2017     | 2018     |
| 11944    | 12244   | 12569    | 12733.93 | 13101.71 |
| 4912814  | 6000116 | 7328060  | 8949902  | 10930691 |
|          |         |          |          |          |
| 2014     | 2015    | 2016     | 2017     | 2018     |

| 15258    | 15826    | 13873    | 13951.6  | 14033.57 |
|----------|----------|----------|----------|----------|
| 10214.52 | 10301.78 | 10389.79 | 10478.55 | 10568.07 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 5458     | 5794     | 6125     | 6449.113 | 6806.499 |
| 803671.5 | 935442.2 | 1088818  | 1267342  | 1475136  |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 47038    | 47777    | 48330    | 49918.6  | 50839.37 |
| 388214.9 | 424111.4 | 463327.1 | 506168.8 | 552972   |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 1749     | 1742     | 1728     | 1725.606 | 1729.043 |
| 288.9328 | 274.1004 | 260.0294 | 246.6808 | 234.0174 |
| 0.948665 | 0.948665 | 0.948665 | 0.948665 | 0.948665 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 22344    | 22442    | 22574    | 22959.12 | 23450.77 |
| 24733.9  | 25141.05 | 25554.9  | 25975.57 | 26403.15 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 30686    | 30954    | 31701    | 32339.09 | 32954.77 |
| -        |          |          |          |          |

| 23743.76 | 23921.51 | 24100.58 | 24281    | 24462.77 |
|----------|----------|----------|----------|----------|
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 2942     | 3046     | 3169     | 3249.877 | 3377.47  |
| 3264.219 | 3246.434 | 3228.747 | 3211.156 | 3193.661 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 1129     | 1124     | 1112     | 1118.771 | 1116.64  |
| 180.1065 | 165.5196 | 152.1142 | 139.7945 | 128.4725 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 36436    | 36941    | 37334    | 37782.83 | 38058.09 |
| 42224.49 | 42916.79 | 43620.44 | 44335.62 | 45062.53 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 50693    | 51681    | 51397    | 50001.94 | 50304.75 |
| 25114.16 | 25941.31 | 26795.7  | 27678.23 | 28589.82 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 36537    | 37031    | 37465    | 38414.86 | 38673.81 |
| 55836.67 | 57260.45 | 58720.54 | 60217.86 | 61753.36 |
|          |          |          |          |          |
|          |          |          |          |          |

| 2014     | 2015     | 2016     | 2017     | 2018     |
|----------|----------|----------|----------|----------|
| 36858    | 36836    | 37239    | 38366.56 | 38896.7  |
| 35864.51 | 36450.84 | 37046.74 | 37652.39 | 38267.94 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 47867    | 48357    | 48845    | 49265.61 | 49830.8  |
| 41831.96 | 42604.88 | 43392.1  | 44193.85 | 45010.42 |
|          |          |          |          |          |
| 2014     | 2015     | 2016     | 2017     | 2018     |
| 9507     | 9319     | 9550     | 8842.023 | 9021.174 |
| 110294.5 | 125254.3 | 142243.1 | 161536.2 | 183446.2 |