

توقعات الطلب القصوى على الكهرباء (ميغاوات)

Electricity Peak Demand Forecast (Gross MW)

| High Forecast | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Abu Dhabi | 2715 | 2896 | 3050 | 3246 | 3410 | 3558 | 3716 | 3870 | 4027 | 4191 | 4356 | 4507 |
| Al Ain | 1316 | 1449 | 1584 | 1707 | 1808 | 1906 | 1993 | 2088 | 2188 | 2291 | 2398 | 2510 |
| Western Region | 386 | 441 | 633 | 860 | 941 | 1366 | 1458 | 1559 | 1672 | 1804 | 1949 | 2136 |
| SYSTEM | 4320 | 4894 | 5385 | 5943 | 6297 | 6982 | 7329 | 7687 | 8064 | 8473 | 8899 | 9358 |
| Base Forecast | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| Abu Dhabi | 2715 | 2852 | 2979 | 3152 | 3297 | 3424 | 3557 | 3684 | 3814 | 3952 | 4089 | 4210 |
| Al Ain | 1316 | 1436 | 1556 | 1666 | 1755 | 1842 | 1918 | 2002 | 2090 | 2182 | 2277 | 2376 |
| Western Region | 386 | 439 | 624 | 841 | 905 | 1308 | 1372 | 1436 | 1501 | 1570 | 1631 | 1696 |
| SYSTEM | 4320 | 4640 | 5066 | 5556 | 5849 | 6454 | 6722 | 6993 | 7270 | 7563 | 7852 | 8132 |
| Low Forecast | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| Abu Dhabi | 2715 | 2802 | 2899 | 3046 | 3165 | 3267 | 3367 | 3458 | 3550 | 3646 | 3739 | 3811 |
| Al Ain | 1316 | 1421 | 1527 | 1618 | 1684 | 1742 | 1790 | 1840 | 1886 | 1931 | 1974 | 2016 |
| Western Region | 386 | 437 | 617 | 828 | 887 | 1284 | 1343 | 1402 | 1462 | 1526 | 1583 | 1642 |
| SYSTEM | 4320 | 4418 | 4782 | 5208 | 5439 | 5968 | 6163 | 6353 | 6540 | 6735 | 6918 | 7082 |

Source: ADWEC Demand Forecast Report 2005 – 2015.



توقعات الطلب القصوى على الماء (مليون جالون/يوم)

Water Peak Demand Forecast (Gross MGD)

| High Forecast | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Abu Dhabi | 281.1 | 345 | 369 | 401 | 432 | 449 | 469 | 489 | 507 | 528 | 548 | 569 |
| Al Ain | 110.6 | 159 | 185 | 203 | 218 | 236 | 251 | 260 | 269 | 279 | 287 | 297 |
| Western Region | 30.7 | 60 | 68 | 76 | 81 | 86 | 91 | 98 | 100 | 103 | 107 | 110 |
| SYSTEM | 422.5 | 564 | 622 | 680 | 732 | 771 | 811 | 847 | 877 | 910 | 942 | 977 |
| Average Forecast | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| Abu Dhabi | 281.1 | 327 | 340 | 358 | 375 | 384 | 394 | 404 | 415 | 426 | 437 | 448 |
| Al Ain | 110.6 | 148 | 167 | 179 | 190 | 203 | 214 | 220 | 226 | 232 | 238 | 245 |
| Western Region | 30.7 | 58 | 63 | 69 | 73 | 76 | 79 | 83 | 85 | 86 | 89 | 90 |
| SYSTEM | 422.5 | 533 | 570 | 605 | 638 | 663 | 687 | 707 | 726 | 745 | 764 | 784 |
| Low Forecast | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| Abu Dhabi | 281.1 | 308 | 311 | 315 | 317 | 319 | 319 | 319 | 322 | 324 | 326 | 328 |
| Al Ain | 110.6 | 138 | 148 | 155 | 162 | 170 | 177 | 180 | 183 | 186 | 189 | 192 |
| Western Region | 30.7 | 55 | 58 | 62 | 64 | 66 | 67 | 69 | 69 | 69 | 71 | 71 |
| SYSTEM | 422.5 | 501 | 517 | 531 | 543 | 555 | 563 | 568 | 574 | 580 | 585 | 590 |

Source: ADWEC Demand Forecast Report 2005 – 2015.

ADWEC's 2005 Forecast of Electricity & Water Expansion Plan - Base Demand Forecast Scenario

التوسعة المطلوبة في قدرتي تحلية الماء و إنتاج الكهرباء حسب توقعات شركة أبوظبي للماء والكهرباء - السيناريو الأساسي

| Electricity MW (Gross) | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Existing & Under Construction Capacity | 7,164 | 7,811 | 8,599 | 7,979 | 7,873 | 7,873 | 7,873 | 7,873 | 7,873 | 7,873 | 7,873 | 7,873 |
| Demand | 4,320 | 4,640 | 5,066 | 5,556 | 5,849 | 6,454 | 6,722 | 6,993 | 7,270 | 7,563 | 7,852 | 8,132 |
| Required Capacity | 5,530 | 6,010 | 6,670 | 7,183 | 7,551 | 8,165 | 8,441 | 8,720 | 9,005 | 9,307 | 9,604 | 9,894 |
| Surplus / Deficit | 1,634 | 1,801 | 1,929 | 796 | 322 | -292 | -568 | -847 | -1,132 | -1,434 | -1,731 | -2,021 |
| Water MGD (Gross) | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| Existing & Under Construction Capacity | 562 | 652 | 632 | 656 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 |
| Demand | 422.5 | 533 | 570 | 605 | 638 | 663 | 687 | 707 | 726 | 745 | 764 | 784 |
| Required Capacity | 443.6 | 560 | 599 | 635 | 670 | 696 | 721 | 742 | 762 | 782 | 802 | 823 |
| Surplus / Deficit | 118 | 92 | 34 | 20 | 1 | -26 | -51 | -72 | -92 | -112 | -132 | -153 |

Source: ADWEC Internal Estimates.