

## توقعات الطلب القصوى على الكهرباء (ميجا وات)

## Electricity Peak Demand Forecast (Gross MW)

High Forecast	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Abu Dhabi	2785	2873	3071	3299	3422	3571	3740	3962	4144	4331	4523	4704
Al Ain	1457	1566	1697	1827	1944	2061	2175	2297	2426	2563	2708	2861
Western Region	394	564	801	852	979	1446	1559	1642	1779	1933	2108	2331
<b>SYSTEM</b>	<b>4741</b>	<b>5116</b>	<b>5695</b>	<b>6113</b>	<b>6488</b>	<b>7237</b>	<b>7642</b>	<b>8079</b>	<b>8537</b>	<b>9025</b>	<b>9549</b>	<b>10118</b>
Base Forecast	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Abu Dhabi	2750	2828	3012	3219	3316	3440	3585	3781	3937	4098	4264	4416
Al Ain	1435	1531	1639	1753	1853	1951	2045	2146	2251	2362	2478	2601
Western Region	394	562	790	826	932	1373	1453	1494	1576	1657	1732	1811
<b>SYSTEM</b>	<b>4500</b>	<b>4835</b>	<b>5347</b>	<b>5698</b>	<b>5995</b>	<b>6647</b>	<b>6960</b>	<b>7293</b>	<b>7631</b>	<b>7976</b>	<b>8328</b>	<b>8675</b>
Low Forecast	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Abu Dhabi	2707	2775	2943	3123	3184	3270	3377	3533	3642	3750	3860	3946
Al Ain	1412	1494	1587	1680	1754	1819	1877	1935	1990	2043	2093	2141
Western Region	395	560	780	808	905	1337	1410	1444	1518	1591	1659	1729
<b>SYSTEM</b>	<b>4280</b>	<b>4579</b>	<b>5035</b>	<b>5320</b>	<b>5539</b>	<b>6092</b>	<b>6318</b>	<b>6554</b>	<b>6779</b>	<b>7001</b>	<b>7217</b>	<b>7411</b>

Source: ADWEC System Expansion Plan 2004 – 2015.

Note: System Peak does not occur at the same time as Regional Peaks.

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	300	325	345	362	381	400	419	437	457	477	496	517
Al Ain	141	152	165	185	201	219	237	251	264	276	285	296
Western Region	41	61	64	68	72	81	85	88	92	99	106	110
<b>SYSTEM</b>	<b>481</b>	<b>538</b>	<b>574</b>	<b>615</b>	<b>654</b>	<b>700</b>	<b>741</b>	<b>776</b>	<b>814</b>	<b>852</b>	<b>888</b>	<b>923</b>
Average Forecast	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Abu Dhabi	284	303	318	332	347	362	377	393	411	428	445	462
Al Ain	134	140	150	164	176	188	200	214	224	235	244	253
Western Region	39	56	58	61	64	72	75	78	81	88	93	97
<b>SYSTEM</b>	<b>458</b>	<b>499</b>	<b>526</b>	<b>557</b>	<b>587</b>	<b>622</b>	<b>653</b>	<b>685</b>	<b>716</b>	<b>750</b>	<b>782</b>	<b>812</b>
Low Forecast	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Abu Dhabi	269	282	292	301	313	324	336	349	364	379	393	408
Al Ain	128	129	134	144	151	157	164	177	185	194	203	211
Western Region	37	50	52	53	56	63	65	67	70	76	81	83
<b>SYSTEM</b>	<b>434</b>	<b>460</b>	<b>477</b>	<b>499</b>	<b>519</b>	<b>544</b>	<b>565</b>	<b>593</b>	<b>619</b>	<b>648</b>	<b>677</b>	<b>702</b>

Source: ADWEC System Expansion Plan 2004 – 2015.

## ADWEC's 2004 Forecast of Electricity & Water Capacities Base Demand Forecast Expansion Plan Scenario

التوسعة المطلوبة في قدرتي تحلية الماء و إنتاج الكهرباء  
حسب توقعات شركة أبوظبي للماء و الكهرباء لكميات الطلب الأساسية على الماء و الكهرباء

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	4,500	4,835	5,347	5,698	5,995	6,647	6,960	7,293	7,631	7,976	8,328	8,675
Required Capacity	5,777	6,195	6,955	7,325	7,699	8,364	8,687	9,029	9,377	9,733	10,096	10,454
Surplus / Deficit	1,387	1,616	1,644	654	174	-491	-814	-1,156	-1,504	-1,860	-2,223	-2,581
Water MGD (Gross)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Existing & Under Construction Capacity	562	562	542	566	581	581	581	581	581	581	581	581
Demand	458	499	526	557	587	622	653	685	716	750	782	812
Required Capacity	509	554	584	619	652	691	725	761	795	833	869	902
Surplus / Deficit	53	7	-42	-53	-72	-111	-145	-181	-215	-253	-288	-322

Source: ADWEC System Expansion Plan 2004 – 2015.