



التقرير الإحصائي 2022

Statistical Report 2022



صاحب السمو الشيخ محمد بن زايد آل نهيان
رئيس دولة الإمارات العربية المتحدة

His Highness Sheikh Mohammed Bin Zayed Al Nahyan
President of the United Arab Emirates



سمو الشيخ خالد بن محمد بن زايد آل نهيان
ولي عهد أبوظبي

His Highness Sheikh Khaled bin Mohamed bin Zayed Al Nahyan
Crown Prince of Abu Dhabi



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يمكن الحصول على التقرير الإحصائي للشركة من خلال الموقع الإلكتروني (www.ewec.ae)

EWEC's Statistical Report is also available on our website (www.ewec.ae)

معلومات عامة

General Information



Chairman's Message

As part of our commitment to supporting the UAE's transition towards a sustainable, carbon-free economy and in line with the UAE Energy Strategy by 2050, and the UAE Net Zero by 2050 strategic initiative, we work on identifying opportunities for the development of water and power generation facilities, with a focus on sustainable and renewable technologies.

Our Statistical Report captures key metrics underpinning these opportunities, outlining the recommended future projects to advance the UAE's growth, diversification, and sustainability journey.

The Statistical Report provides information about electricity demand, electricity generation, water demand, water production, fuel consumption, demand forecasts, and production capacities, amongst other data.

We hope this report meets your data requirements.

Finally, I would like to express my sincere appreciation and thanks to the EWEK Management and Staff for developing the 2021 Statistical Report. I am confident that 2022 will usher in even more opportunities for growth, creating value for Abu Dhabi and beyond.

Hamad A. Al Hammadi
EWEK Chairman

رسالة رئيس مجلس الإدارة

في إطار التزامنا بدعم خطة الانتقال نحو اقتصاد مستدام وخالي من الكربون في دولة الإمارات العربية المتحدة، وبما يتماشى مع استراتيجية الإمارات للطاقة ٢٠٥٠، ومبادرة الدولة الاستراتيجية للحياد المناخي بحلول عام ٢٠٥٠، فإننا نعمل على تحديد فرص تطوير مرافق لإنتاج الماء والكهرباء، مع التركيز على التقنيات المستدامة والمتجددة.

يركز التقرير الإحصائي على المقاييس الرئيسية التي تدعم هذه الفرص، ويحدد المشاريع المستقبلية المقترحة لدفع عجلة النمو والتنوع والاستدامة في الدولة.

يوفر هذا التقرير معلومات حول الطلب على الماء والكهرباء وإنتاجهما، واستهلاك الوقود وتوقعات الطلب وقدرات الإنتاج، وغيرها من المهام الرئيسية الأخرى.

نتطلع إلى أن يلبي هذا التقرير جميع البيانات المطلوبة.

وفي الختام، لا يفوتني أن أتقدم بخالص الشكر والتقدير لإدارة وموظفي شركة مياه وكهرباء الإمارات على إعداد التقرير الإحصائي لعام ٢٠٢١، إنني على يقين بأن عام ٢٠٢٢ سيوفر المزيد من فرص النمو، وخلق قيم إضافية في أبوظبي وخارجها.

حمد الحمادي
رئيس مجلس الإدارة

EWEC's Role

EWEC, as the System Operator and Sole Procurement Entity, is responsible for ensuring a reliable and continuous supply of water and power for Abu Dhabi and beyond. To achieve this, EWEC performs critical functions, which include System Despatch, Demand Forecast, and Generation Expansion Planning.

Importantly, EWEC is also leading the change within the energy sector, advancing sustainable, efficient water and power supply in Abu Dhabi and across the UAE, enabling the development of a low-carbon power and water system that supports the UAE government and vision and drives the economy.

EWEC fulfils these vital tasks through the careful short-term and long-term balancing of supply and demand (System Despatch, Demand Forecast and Generation Expansion Planning), and enters into long-term Power and Water Purchase Agreements (PWPAs) with production companies and Bulk Supply Tariff (BST) sales arrangements with utilities and distribution companies, ensuring a sustainable and efficient supply of water and power.

Through these key actions, EWEC is an integral contributor of clean, efficient water and power supply, utilising transformative innovations that enable the achievement of the Clean Energy Strategic Target 2035 for Electricity Production in Abu Dhabi, UAE Water Security Strategy 2036, UAE Energy Strategy by 2050, and the UAE Net Zero by 2050 strategic initiative.

EWEC upholds high standards of quality, environmental sustainability, and occupational health and safety, as demonstrated by its certification to several international and industry standards, including ISO 9001:2015, ISO 14001:2015, and OHSAS 18001:2007.

Othman Juma Al Ali
Chief Executive Officer

دور شركة مياه وكهرباء الإمارات

يتمثل دور شركة مياه وكهرباء الإمارات بوصفها مشغل النظام والمورد الوحيد لكميات الماء والكهرباء التي تنتجها شركات الإنتاج، وتأخذ على عاتقها ضمان إمداد موثوق ودائم للماء والكهرباء في أبو ظبي وخارجها، لذا تقوم الشركة بأداء وظائف مهمة تشمل النقل، وتوقعات الطلب، والتخطيط لتوسعة قدرات الإنتاج.

تتولى شركة مياه وكهرباء الإمارات قيادة خطة الانتقال في قطاع الطاقة، وتقديم إمدادات فعالة ومستدامة من الماء والكهرباء في أبو ظبي وجميع أنحاء الدولة، مما يتطلب تطوير نظام إنتاج منخفض الكربون، للإسهام في توجيه الاقتصاد على نحو يساهم في دعم أهداف الحكومة الرشيدة ورؤيتها.

يتم تحقيق هذا الدور من خلال الموازنة الدقيقة على المدى القصير والطويل بين العرض والطلب (التحكم بالنظام، توقعات الطلب وتخطيط التوسع في الإنتاج)، من خلال اتفاقيات طويلة الأجل لشراء الماء والكهرباء مع شركات الإنتاج، ومن خلال اتفاقية "تعرفة التوريد بالجملة" مع شركات التوزيع، مما يضمن إمداداً مستداماً وفعالاً للماء والكهرباء.

من خلال هذا الدور الرئيسي، تعدّ شركة مياه وكهرباء الإمارات مساهماً أساسياً في توفير إمدادات فعالة ومستدامة من الماء والكهرباء، وفقاً لأحدث الابتكارات التحويلية التي تساهم في تحقيق الأهداف الاستراتيجية للطاقة النظيفة لعام ٢٠٣٥ لإنتاج الكهرباء في أبو ظبي، واستراتيجية الأمن المائي لدولة الإمارات ٢٠٣٦، واستراتيجية الإمارات للطاقة ٢٠٥٠، ومبادرة الإمارات الاستراتيجية لتحقيق الحياد المناخي بحلول ٢٠٥٠.

تلتزم شركة مياه وكهرباء الإمارات بأعلى معايير الجودة والاستدامة البيئية، والصحة والسلامة المهنية، وقد تم اعتمادها وفقاً لمجموعة من المعايير الدولية، منها: ISO ٩٠٠١: ٢٠١٥ / ISO ١٤٠٠١: ٢٠١٥ / OHSAS ١٨٠٠١: ٢٠٠٧.



عثمان جمعة آل علي
الرئيس التنفيذي

A series of overlapping, rounded, light blue and orange lines in the top-left corner of the slide, creating a modern, abstract design.

إحصائيات الكهرباء Electricity Statistics

إحصائيات الكهرباء

Electricity Statistics

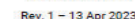
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إحصائيات الكهرباء

Electricity Statistics

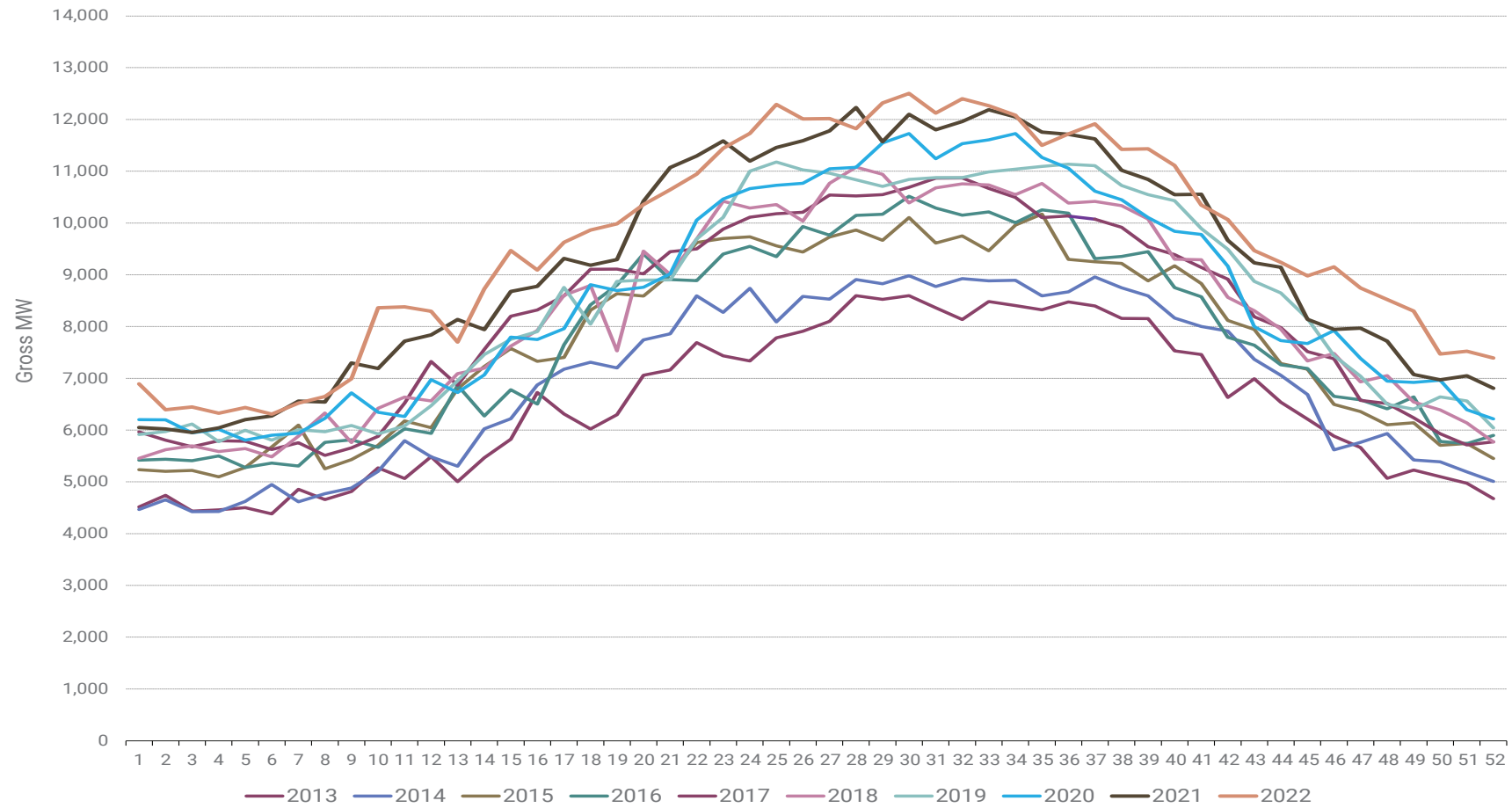
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Electricity System Network (Summer 2023)



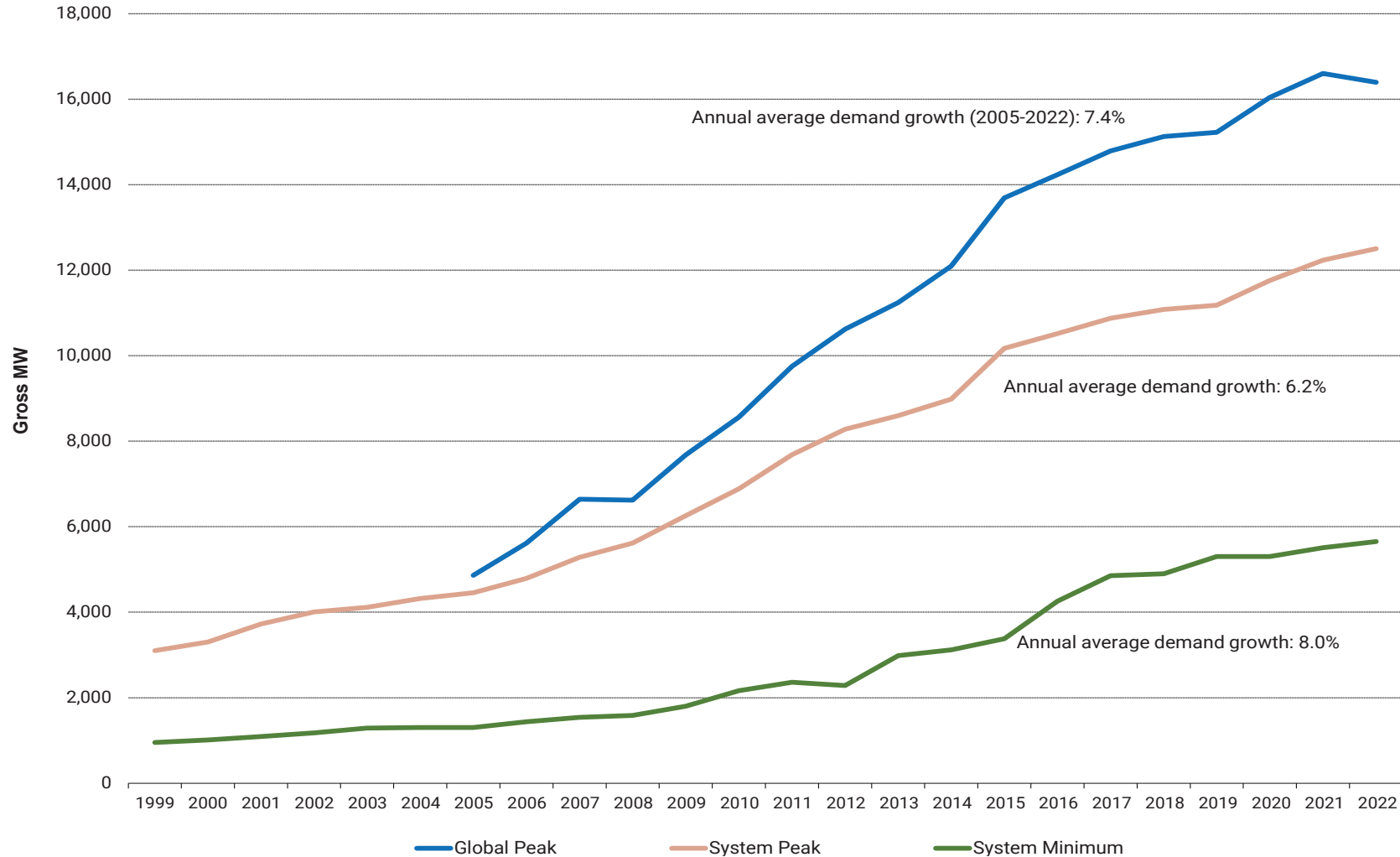
الأحمال القصوى الأسبوعية للشبكة 2012 - 2022

System Weekly Electricity Peaks 2012 - 2022



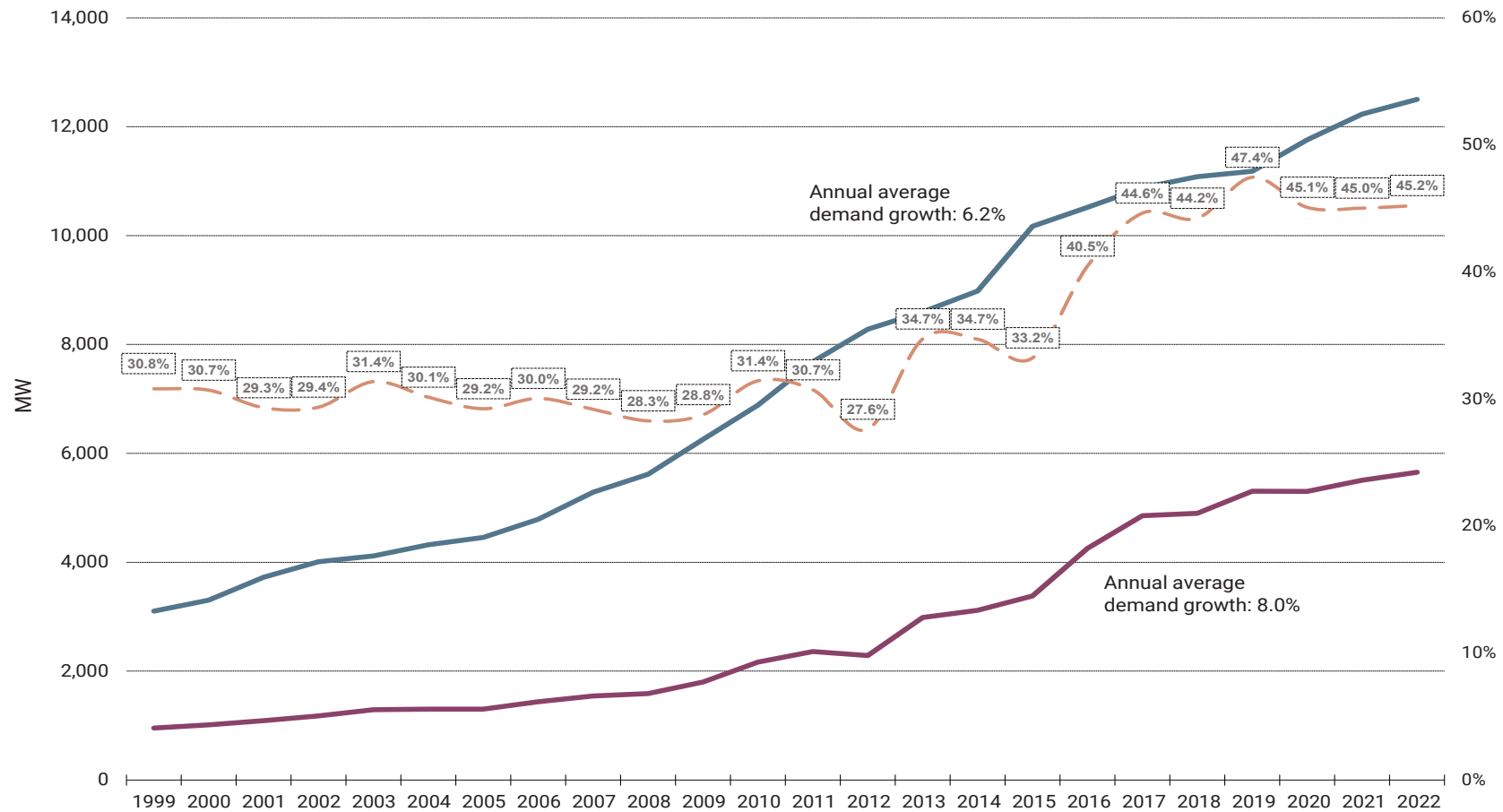
إجمالي الحمل الأقصى و الأدنى للشبكة في إمارة أبوظبي 1999 - 2022

Global Abu Dhabi System Peak & Minimum Demands 1999 - 2022



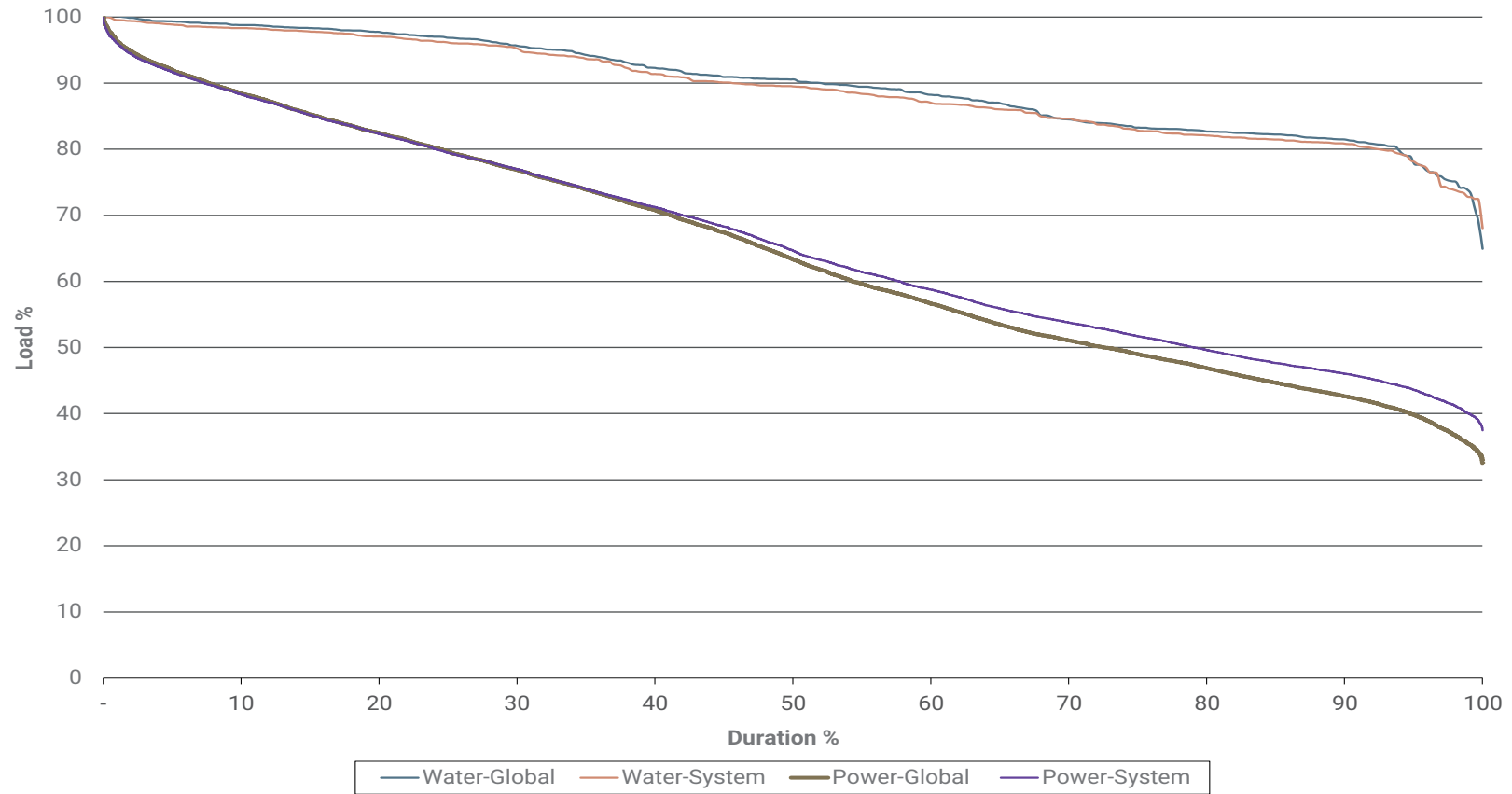
الأحمال القصوى و الأحمال الدنيا و نسبتها المئوية من الأحمال القصوى للشبكة

Ratio of System Electricity Minimum / Peak Demands

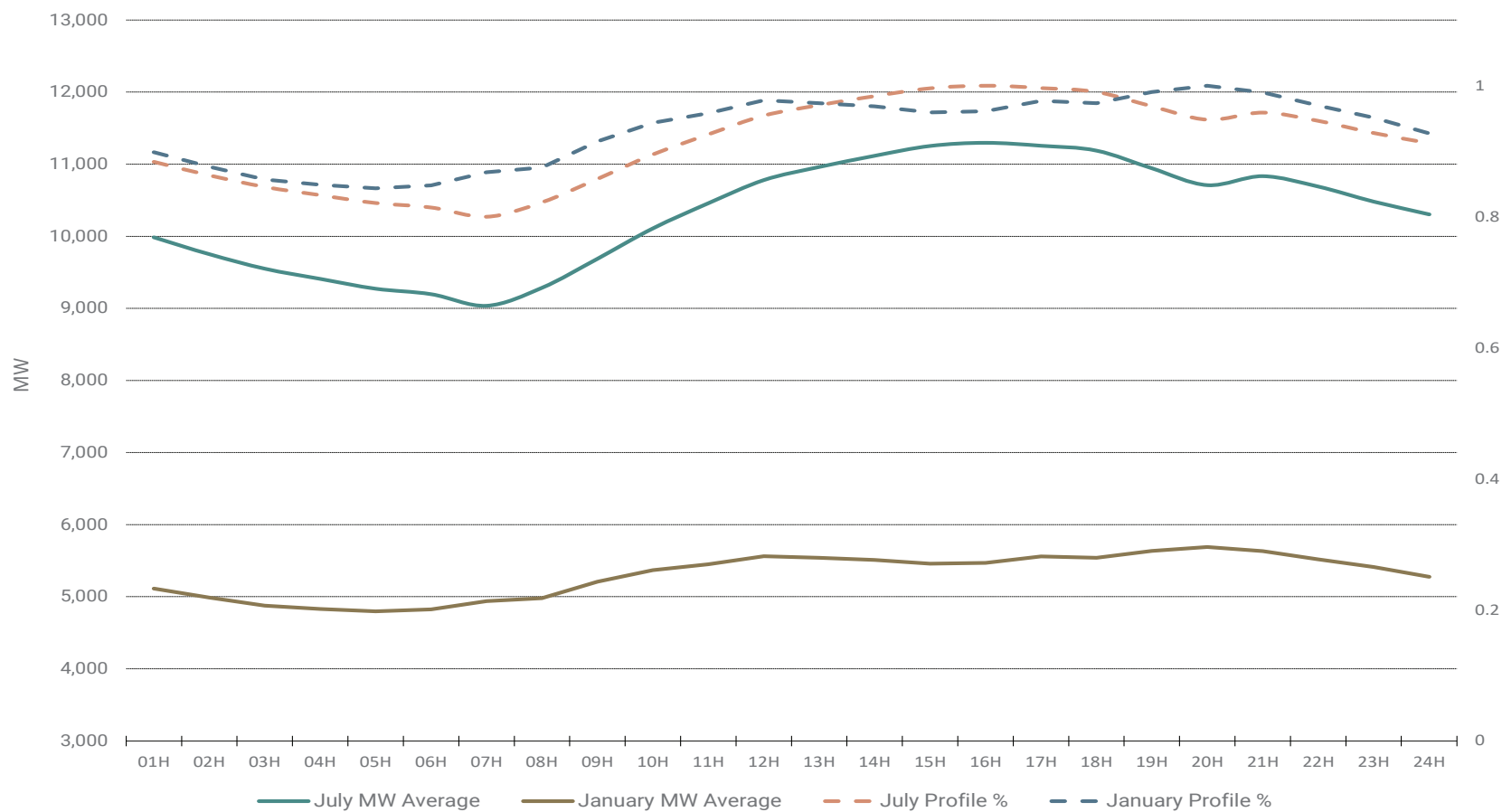


منحنى الأحمال الزمني للشبكة للعام 2022

2022 System Load Duration Curves

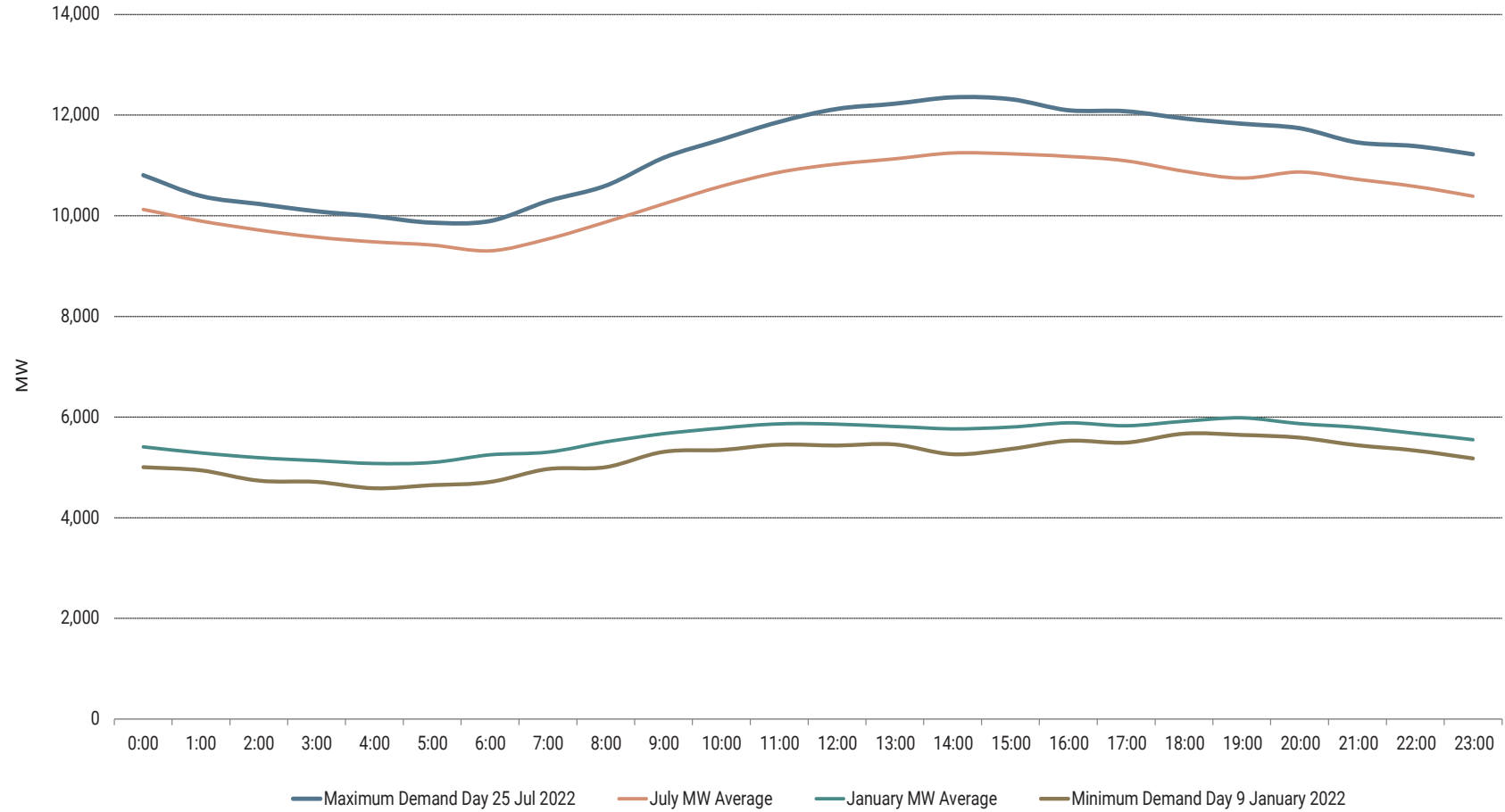


أنماط الطلب على الكهرباء في أبوظبي للعام 2022 Abu Dhabi 2022 System Electricity Demand Profiles



مقارنه بين نمطي الطلب الأدنى و الأقصى خلال شهري يناير وأغسطس من عام 2022

Abu Dhabi 2022 Maximum Month & Minimum Month Demand Profiles



الأحمال السنوية القصوى (ميجاوات) Peak Annual Demand (Gross MW)

Year	Abu Dhabi	Al Ain	Al Dhafra	System	Global	Availability
1999	2,013	932	214	3,104		3,490
2000	2,101	1,020	257	3,304		3,718
2001	2,327	1,135	300	3,723		4,172
2002	2,515	1,234	333	4,008		4,961
2003	2,589	1,297	320	4,116		5,458
2004	2,715	1,316	386	4,320		5,947
2005	2,779	1,349	436	4,455	4,865	7,105
2006	2,972	1,400	511	4,790	5,614	6,921
2007	3,241	1,516	572	5,286	6,644	8,086
2008	3,511	1,538	665	5,616	6,620	8,683
2009	3,945	1,683	689	6,255	7,680	10,043
2010	4,371	1,757	931	6,885	8,563	10,804
2011	4,715	1,887	1,345	7,683	9,749	13,254
2012	5,177	2,053	1,330	8,278	10,618	13,591
2013	5,392	2,038	1,467	8,599	11,243	13,721
2014	5,618	2,114	1,514	8,983	12,093	13,958
2015	6,136	2,202	2,133	10,172	13,691	14,590
2016	6,243	2,187	2,242	10,518	14,234	15,135
2017	6,401	2,284	2,158	10,876	14,788	15,477
2018	6,511	2,307	2,175	11,080	15,125	15,973
2019	6,642	2,433	2,221	11,179	15,223	15,961
2020	6,932	2,401	2,314	11,757	16,040	16,684
2021	7,180	2,489	2,465	12,231	16,601	17,324
2022	7,316	2,525	2,615	12,503	16,393	18,465
1999-2022 Average Growth Rate				6.2%	7.4%	

الأحمال السنوية الدنيا (ميجاوات)

Minimum Annual Demand (Gross MW)

Year	Abu Dhabi	Al Ain	Al Dhafra	System	Global	System Min / Peak
1999	654	176	68	956		30.8%
2000	699	238	57	1,014		30.7%
2001	728	236	70	1,091		29.3%
2002	803	228	90	1,177		29.4%
2003	889	231	98	1,291		31.4%
2004	925	231	101	1,302		30.1%
2005	922	241	84	1,302		29.2%
2006	978	250	163	1,439		30.0%
2007	1,070	276	185	1,543		29.2%
2008	1,077	276	206	1,588		28.3%
2009	1,233	298	258	1,799	2,218	28.8%
2010	1,379	351	208	2,164	2,766	31.4%
2011	1,440	367	349	2,360	3,233	30.7%
2012	1,410	361	233	2,286	3,680	27.6%
2013	1,790	385	626	2,986	3,928	34.7%
2014	1,797	404	402	3,118	4,220	34.7%
2015	2,064	400	425	3,381	4,591	33.2%
2016	1,961	629	1,095	4,256	6,107	40.5%
2017	2,767	696	1,176	4,854	6,234	44.6%
2018	2,826	767	1,227	4,900	6,396	44.2%
2019	2,984	688	1,221	5,304	6,782	47.4%
2020	2,982	608	1,165	5,301	6,570	45.1%
2021	2,980	734	1,023	5,507	6,761	45.0%
2022	3,086	761	1,510	5,655	7,383	46.3%
1999-2022 Average Growth Rate				8.0%	9.7%	

سجلات الأحمال السنوية القصوى

Peak Annual Demand Dates

Year	Abu Dhabi	Al Ain	Al Dhafra	System	Global
1999	Wednesday-18-August-1999 14:00	Saturday-04-September-1999 16:00	Wednesday-22-September-1999 13:00	Saturday-04-September-1999 16:00	
2000	Tuesday-18-July-2000 14:00	Sunday-04-June-2000 16:00	Saturday-30-September-2000 14:00	Tuesday-29-August-2000 16:00	
2001	Sunday-02-September-2001 14:00	Sunday-02-September-2001 17:00	Monday-23-July-2001 16:00	Sunday-02-September-2001 16:00	
2002	Wednesday-04-September-2002 14:00	Wednesday-04-September-2002 17:00	Tuesday-24-September-2002 16:00	Wednesday-04-September-2002 17:00	
2003	Tuesday-19-August-2003 14:00	Saturday-06-September-2003 17:00	Saturday-06-September-2003 20:00	Saturday-06-September-2003 17:00	
2004	Sunday-11-July-2004 20:00	Wednesday-07-July-2004 17:00	Thursday-05-August-2004 20:00	Wednesday-18-August-2004 19:30	
2005	Monday-25-July-2005 14:00	Saturday-25-June-2005 17:00	Tuesday-13-September-2005 17:00	Tuesday-02-August-2005 16:50	
2006	Wednesday-16-August-2006 20:00	Wednesday-28-June-2006 17:00	Sunday-13-August-2006 20:00	Saturday-19-August-2006 16:43	
2007	Wednesday-05-September-2007 20:00	Wednesday-20-June-2007 17:00	Sunday-02-September-2007 17:00	Sunday-02-September-2007 16:05	
2008	Sunday-03-August-2008 20:00	Thursday-17-July-2008 17:00	Saturday-06-September-2008 22:00	Sunday-31-August-2008 16:40	
2009	Monday-17-August-2009 20:00	Thursday-27-August-2009 17:00	Tuesday-25-August-2009 19:00	Monday-17-August-2009 19:34	
2010	Wednesday-14-July-2010 16:41	Monday-19-July-2010 16:21	Sunday-29-August-2010 15:37	Wednesday-14-July-2010 16:41	
2011	Monday-15-August-2011 16:53	Monday-15-August-2011 16:53	Monday-29-August-2011 16:09	Monday-15-August-2011 16:41	Monday-15-August-2011 16:41
2012	Monday-06-August-2012 16:39	Monday-30-July-2012 16:45	Thursday-09-August-2012 12:52	Monday-06-August-2012 16:39	Monday-06-August-2012 16:39
2013	Tuesday-13-August-2013 12:30	Monday-22-July-2013 16:52	Wednesday-28-August-2013 16:07	Monday-22-July-2013 16:52	Sunday-21-July-2013 15:23
2014	Monday-08-September-2014 16:24	Tuesday-15-July-2014 16:36	Tuesday-23-September-2014 15:30	Monday-21-July-2014 16:29	Monday-21-July-2014 16:29
2015	Wednesday-02-September-2015 15:01	Thursday-03-September-2015 15:53	Wednesday-10-June-2015 14:25	Sunday-30-August-2015 16:35	Wednesday-29-July-2015 15:34
2016	Sunday-24-July-2016 16:01	Sunday-14-August-2016 16:49	Tuesday-06-September-2016 14:27	Sunday-24-July-2016 16:01	Sunday-24-July-2016 16:01
2017	Wednesday-02-August-2017 15:47	Wednesday-26-July-2017 16:24	Friday-05-May-2017 14:15	Thursday-03-August-2017 13:27	Wednesday-02-August-2017 15:47
2018	Wednesday-11-July-2018 15:39	Thursday-12-July-2018 15:55	Sunday-15-July-2018 14:44	Wednesday-11-July-2018 15:39	Wednesday-11-July-2018 15:39
2019	Sunday-18-August-2019 14:41	Tuesday-25-June-2019 16:36	Thursday-05-September-2019 15:43	Sunday-08-September-2019 15:41	Sunday-08-September-2019 15:41
2020	Tuesday-18-August-2020 15:17	Tuesday-18-August-2020 15:09	Monday-20-July-2020 15:34	Monday-20-July-2020 15:34	Monday-20-July-2020 15:34
2021	Sunday-25-July-2021 14:42	Monday-16-August-2021 15:17	Tuesday-13-July-2021 15:49	Tuesday-13-July-2021 15:49	Tuesday-13-July-2021 15:49
2022	Monday-08-August-2022 16:19	Sunday-03-July-2022 14:42	Wednesday-17-August-2022 15:02	Monday-25-July-2022 13:48	Monday-25-July-2022

سجلات الأحمال السنوية الدنيا

Minimum Annual Demand Dates

Year	Abu Dhabi	Al Ain	Al Dhafra Region	System	Global
1999	Friday-29-January-1999 05:00	Thursday-04-March-1999 04:00	Wednesday-03-March-1999 04:00	Friday-29-January-1999 06:00	
2000	Wednesday-09-February-2000 04:00	Saturday-19-February-2000 05:00	Monday-14-February-2000 04:00	Wednesday-02-February-2000 05:00	
2001	Tuesday-30-January-2001 04:00	Monday-05-February-2001 02:00	Monday-12-March-2001 04:00	Wednesday-31-January-2001 04:00	
2002	Friday-08-February-2002 08:00	Saturday-19-January-2002 04:00	Tuesday-19-March-2002 05:00	Sunday-10-February-2002 04:00	
2003	Friday-03-January-2003 06:00	Thursday-17-April-2003 15:00	Thursday-17-April-2003 05:00	Friday-10-January-2003 05:00	
2004	Monday-02-February-2004 08:00	Wednesday-28-January-2004 04:00	Monday-27-December-2004 10:00	Monday-02-February-2004 04:00	
2005	Friday-21-January-2005 08:00	Friday-21-January-2005 04:00	Friday-21-January-2005 03:00	Friday-21-January-2005 05:00	
2006	Wednesday-11-January-2006 08:00	Saturday-25-February-2006 03:00	Saturday-25-February-2006 04:00	Wednesday-11-January-2006 05:00	
2007	Monday-01-January-2007 06:00	Saturday-20-January-2007 04:00	Thursday-04-January-2007 03:00	Monday-01-January-2007 04:00	
2008	Friday-18-January-2008 08:00	Wednesday-16-January-2008 04:00	Thursday-24-January-2008 05:00	Thursday-17-January-2008 04:00	
2009	Sunday-04-January-2009 04:00	Saturday-24-January-2009 04:00	Saturday-24-January-2009 07:00	Saturday-24-January-2009 04:00	
2010	Thursday-04-March-2010 04:15	Tuesday-09-February-2010 04:10	Thursday-14-January-2010 04:00	Saturday-30-January-2010 03:50	
2011	Tuesday-15-February-2011 03:31	Saturday-22-January-2011 03:26	Tuesday-29-March-2011 04:46	Tuesday-15-February-2011 03:31	Saturday-22-January-2011 04:00
2012	Tuesday-24-January-2012 04:46	Saturday-28-January-2012 04:13	Sunday-08-January-2012 06:03	Sunday-08-January-2012 06:03	Tuesday-24-January-2012 05:00
2013	Sunday-03-February-2013 03:47	Saturday-28-December-2013 03:30	Friday-11-January-2013 05:17	Friday-25-January-2013 04:26	Friday-25-January-2013 04:26
2014	Wednesday-01-January-2014 04:18	Friday-10-January-2014 04:58	Saturday-05-April-2014 06:56	Wednesday-01-January-2014 04:18	Saturday-11-January-2014 04:09
2015	Friday-23-January-2015 05:01	Thursday-22-January-2015 02:21	Sunday-05-April-2015 06:56	Thursday-22-January-2015 02:21	Tuesday-20-January-2015 02:57
2016	Friday-05-February-2016 06:28	Thursday-10-March-2016 04:18	Saturday-31-December-2016 03:03	Friday-01-January-2016 18:24	Saturday-13-February-2016 03:51
2017	Friday-03-February-2017 18:38	Friday-03-February-2017 18:28	Tuesday-03-January-2017 16:34	Friday-03-February-2017 18:38	Friday-03-February-2017 18:38
2018	Friday-12-January-2018 18:44	Friday-12-January-2018 18:44	Monday-15-January-2018 18:17	Saturday-12-January-2019 18:44	Friday-12-January-2018 18:44
2019	Friday-22-February-2019 18:54	Friday-15-March-2019 12:10	Friday-08-February-2019 18:30	Friday-08-February-2019 18:30	Friday-08-February-2019 18:30
2020	Friday-31-January-2020 18:27	Saturday-11-January-2020 19:37	Saturday-29-February-2020 19:03	Friday-31-January-2020 18:27	Friday-31-January-2020 18:27
2021	Sunday-31-January-2021 18:19	Sunday-19-December-2021 17:55	Tuesday-26-January-2021 18:20	Friday-15-January-2021 18:30	Friday-15-January-2021 18:30
2022	Friday-14-January-2022 18:28	Friday-07-January-2022 14:08	Thursday-10-February-2022 18:37	Saturday-22-January-2022 18:13	Friday-07-January-2022 14:08

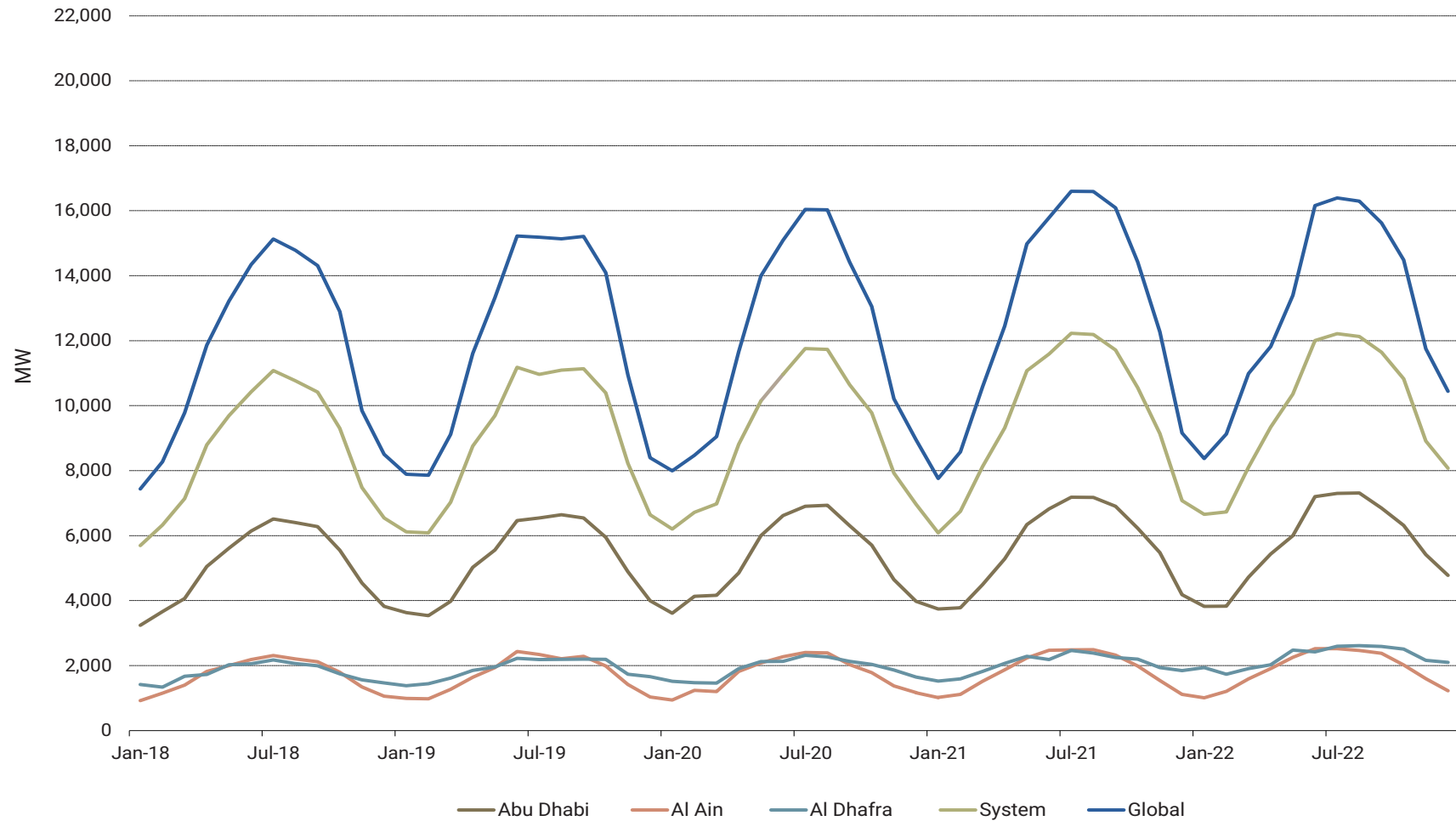
الأحمال الشهرية القصوى (ميجاوات) 2018 - 2022

Peak Monthly Demand (Gross MW) 2018 - 2022

2018												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	3,243	3,660	4,064	5,052	5,612	6,141	6,511	6,401	6,274	5,550	4,540	3,822
Al Ain	922	1,149	1,400	1,821	2,002	2,186	2,307	2,203	2,117	1,795	1,343	1,060
Al Dhafra	1,420	1,341	1,672	1,726	2,022	2,055	2,175	2,061	1,994	1,747	1,560	1,468
System	5,696	6,329	7,139	8,793	9,690	10,420	11,080	10,762	10,416	9,302	7,481	6,543
Global	7,441	8,273	9,781	11,864	13,218	14,340	15,125	14,783	14,310	12,899	9,848	8,504
Availability at System Peak	15,458	13,948	15,137	16,545	16,115	16,152	15,973	16,377	16,195	16,309	13,041	13,449
2019												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	3,631	3,535	3,979	5,024	5,557	6,461	6,542	6,642	6,546	5,949	4,889	3,995
Al Ain	992	976	1,266	1,639	1,941	2,433	2,343	2,209	2,287	1,987	1,418	1,033
Al Dhafra	1,382	1,444	1,614	1,850	1,956	2,221	2,187	2,190	2,200	2,191	1,732	1,656
System	6,115	6,087	7,025	8,756	9,691	11,179	10,962	11,092	11,136	10,393	8,222	6,640
Global	7,889	7,855	9,118	11,605	13,322	15,223	15,181	15,135	15,206	14,090	10,944	8,394
Availability at System Peak	14,908	13,518	15,452	16,188	16,475	15,961	16,666	16,257	16,415	16,309	15,050	13,169
2020												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	3,612	4,133	4,160	4,853	5,995	6,618	6,901	6,932	6,305	5,704	4,649	3,974
Al Ain	941	1,239	1,199	1,822	2,079	2,274	2,401	2,388	2,033	1,786	1,372	1,167
Al Dhafra	1,518	1,473	1,463	1,906	2,124	2,127	2,314	2,269	2,130	2,038	1,863	1,648
System	6,202	6,719	6,974	8,809	10,147	10,963	11,757	11,728	10,645	9,778	7,924	6,963
Global	7,995	8,468	9,044	11,663	13,992	15,093	16,040	16,029	14,421	13,050	10,212	8,945
Availability at System Peak	14,908	13,518	15,452	16,188	16,475	15,961	16,666	16,257	16,415	16,309	15,050	13,169
2021												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	3,740	3,780	4,494	5,286	6,340	6,823	7,180	7,174	6,900	6,226	5,480	4,180
Al Ain	1,020	1,112	1,517	1,867	2,235	2,468	2,481	2,489	2,325	1,989	1,539	1,115
Al Dhafra	1,521	1,592	1,819	2,070	2,285	2,184	2,465	2,386	2,248	2,196	1,935	1,842
System	6,085	6,746	8,122	9,316	11,072	11,586	12,231	12,188	11,712	10,555	9,143	7,073
Global	7,759	8,577	10,578	12,450	14,979	15,783	16,601	16,588	16,086	14,420	12,270	9,159
Availability at System Peak	16,659	13,943	15,761	17,815	16,933	17,965	17,324	16,711	17,082	16,497	13,755	13,920
2022												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	3,824	3,831	4,718	5,433	5,999	7,199	7,297	7,316	6,845	6,316	5,416	4,778
Al Ain	1,006	1,207	1,591	1,907	2,254	2,525	2,525	2,464	2,380	2,020	1,598	1,228
Al Dhafra	1,940	1,736	1,907	2,025	2,476	2,423	2,592	2,615	2,587	2,507	2,162	2,102
System	6,653	6,732	8,103	9,336	10,353	12,002	12,503	12,129	11,641	10,826	8,910	8,075
Global	8,371	9,127	10,990	11,818	13,391	16,156	16,393	16,295	15,625	14,484	11,748	10,441
Availability at System Peak	15,017	13,391	13,629	15,432	17,217	16,841	18,465	18,487	18,098	16,842	17,506	17,581

الأحمال الشهرية القصوى (ميجاوات) 2018 - 2022

Peak Monthly Demand (Gross MW) 2018 - 2022



الأحمال الشهرية الدنيا (ميجاوات) 2018 - 2022

Minimum Monthly Demand (Gross MW) 2018 - 2022

2018												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	2,826	2,828	2,880	3,648	4,451	5,111	5,514	5,379	5,430	4,321	3,662	3,139
Al Ain	767	776	831	1,211	1,553	1,750	1,881	1,808	1,700	1,289	972	841
Al Dhafra	1,227	1,223	1,231	1,375	1,540	1,760	1,903	1,803	1,645	1,380	1,241	1,292
System	5,035	5,097	5,149	6,571	7,199	8,928	9,553	9,362	9,023	7,192	6,140	5,537
Global	6,521	6,600	6,749	8,779	10,694	12,158	13,064	12,971	12,264	9,761	7,893	6,963
2019												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	2,843	2,914	3,363	3,847	4,327	5,107	5,154	5,343	5,272	4,752	4,033	3,184
Al Ain	673	622	919	1,150	1,482	1,707	1,666	1,690	1,618	1,395	1,116	779
Al Dhafra	1,250	1,322	1,408	1,574	1,623	1,809	1,784	1,932	1,916	1,800	1,559	1,514
System	4,670	4,709	5,663	6,319	7,429	8,402	8,493	8,665	8,594	7,926	6,529	5,354
Global	6,246	6,204	7,652	8,776	10,245	11,891	11,709	12,048	11,722	10,883	8,798	6,932
2020												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	2,897	3,232	3,301	3,607	4,373	4,819	5,364	5,491	4,804	4,351	3,643	3,273
Al Ain	594	795	895	1,339	1,470	1,716	1,713	1,751	1,471	1,294	939	782
Al Dhafra	1,354	1,207	1,228	1,521	1,660	1,765	1,996	1,832	1,878	1,675	1,645	1,471
System	4,765	4,709	5,308	6,389	7,468	8,125	8,942	8,904	7,978	7,207	6,022	5,396
Global	6,324	6,656	7,122	8,916	10,420	11,313	12,415	12,522	11,044	9,825	8,178	7,341
2021												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	2,739	2,979	3,524	4,173	4,699	5,112	5,529	5,488	5,286	4,690	4,073	3,237
Al Ain	575	737	1,000	1,368	1,648	1,746	1,785	1,786	1,685	1,498	1,063	797
Al Dhafra	1,395	1,468	1,580	1,676	1,812	1,868	2,175	2,053	2,053	1,967	1,728	1,739
System	4,659	5,039	5,874	7,194	7,986	8,587	9,428	9,253	8,831	8,134	6,862	5,506
Global	6,030	6,968	7,932	9,927	11,274	11,805	13,197	12,790	12,539	11,559	9,475	7,486
2022												
Month	January	February	March	April	May	June	July	August	September	October	November	December
Abu Dhabi	2,825	2,987	3,560	4,169	4,439	5,321	5,624	5,524	5,313	4,718	4,136	3,762
Al Ain	639	768	1,092	1,423	1,470	1,862	1,870	1,841	1,670	1,473	1,075	926
Al Dhafra	1,766	1,558	1,741	1,847	1,979	2,050	2,276	2,204	2,272	2,272	1,973	1,961
System	5,138	5,225	6,194	7,345	7,879	9,110	9,613	9,499	9,059	8,294	7,063	6,391
Global	6,799	7,075	8,647	10,112	10,765	12,467	13,209	12,910	12,243	11,189	9,392	8,489

الذروة الشهرية مقارنة بالذروة السنوية لمنطقة أبوظبي

Ratio of Monthly Peak to Annual Peak of Abu Dhabi Region

Abu Dhabi Peak Demand (MW)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	2,944	2,962	3,406	4,066	4,701	4,831	5,334	5,392	5,271	4,659	3,963	3,260
2014	2,851	3,064	3,577	4,469	5,254	5,322	5,438	5,461	5,618	5,102	4,222	3,386
2015	3,131	3,713	3,771	4,290	5,201	5,700	5,993	6,067	6,136	5,414	4,340	3,584
2016	3,216	3,395	3,960	4,492	5,357	5,889	6,243	6,171	5,956	5,199	4,370	3,982
2017	3,456	3,332	4,226	4,941	5,553	5,938	6,255	6,401	5,973	5,469	4,549	3,639
2018	3,243	3,660	4,064	5,052	5,612	6,141	6,511	6,401	6,274	5,550	4,540	3,822
2019	3,631	3,535	3,979	5,024	5,557	6,461	6,542	6,642	6,546	5,949	4,889	3,995
2020	3,612	4,126	4,133	4,891	5,995	6,533	6,901	6,932	6,255	5,704	4,649	3,974
2021	3,740	3,780	4,494	5,286	6,340	6,823	7,180	7,174	6,900	6,226	5,480	4,180
2022	3,824	3,831	4,718	5,433	5,999	7,199	7,297	7,316	6,845	6,316	5,416	4,778

Ratio of Abu Dhabi Monthly Peak to Annual Peak (MW) (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	54.60	54.93	63.17	75.41	87.18	89.60	98.92	100.00	97.76	86.41	73.50	60.46
2014	50.75	54.54	63.67	79.55	93.52	94.73	96.80	97.21	100.00	90.82	75.15	60.27
2015	51.03	60.51	61.46	69.92	84.76	92.89	97.67	98.88	100.00	88.23	70.73	58.41
2016	51.51	54.38	63.43	71.95	85.81	94.33	100.00	98.85	95.40	83.28	70.00	63.78
2017	53.99	52.05	66.02	77.19	86.75	92.77	97.72	100.00	93.31	85.44	71.07	56.85
2018	49.81	56.21	62.42	77.59	86.19	94.32	100.00	98.31	96.36	85.24	69.73	58.70
2019	54.67	53.22	59.91	75.64	83.66	97.27	98.49	100.00	98.55	89.57	73.61	60.15
2020	52.11	59.52	59.62	70.56	86.48	94.24	99.55	100.00	90.23	82.29	67.07	57.33
2021	52.09	52.65	62.59	73.62	88.30	95.03	100.00	99.92	96.10	86.71	76.32	58.22
2022	52.27	52.36	64.49	74.26	82.00	98.40	99.74	100.00	93.56	86.33	74.03	65.31

الذروة الشهرية مقارنة بالذروة السنوية لمنطقة أبوظبي

Ratio of Monthly Peak to Annual Peak of Abu Dhabi Region

Abu Dhabi Peak Demand (MW)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	2,944	2,962	3,406	4,066	4,701	4,831	5,334	5,392	5,271	4,659	3,963	3,260
2014	2,851	3,064	3,577	4,469	5,254	5,322	5,438	5,461	5,618	5,102	4,222	3,386
2015	3,131	3,713	3,771	4,290	5,201	5,700	5,993	6,067	6,136	5,414	4,340	3,584
2016	3,216	3,395	3,960	4,492	5,357	5,889	6,243	6,171	5,956	5,199	4,370	3,982
2017	3,456	3,332	4,226	4,941	5,553	5,938	6,255	6,401	5,973	5,469	4,549	3,639
2018	3,243	3,660	4,064	5,052	5,612	6,141	6,511	6,401	6,274	5,550	4,540	3,822
2019	3,631	3,535	3,979	5,024	5,557	6,461	6,542	6,642	6,546	5,949	4,889	3,995
2020	3,612	4,126	4,133	4,891	5,995	6,533	6,901	6,932	6,255	5,704	4,649	3,974
2021	3,740	3,780	4,494	5,286	6,340	6,823	7,180	7,174	6,900	6,226	5,480	4,180
2022	3,824	3,831	4,718	5,433	5,999	7,199	7,297	7,316	6,845	6,316	5,416	4,778

Ratio of Abu Dhabi Monthly Peak to Annual Peak (MW) (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	54.60	54.93	63.17	75.41	87.18	89.60	98.92	100.00	97.76	86.41	73.50	60.46
2014	50.75	54.54	63.67	79.55	93.52	94.73	96.80	97.21	100.00	90.82	75.15	60.27
2015	51.03	60.51	61.46	69.92	84.76	92.89	97.67	98.88	100.00	88.23	70.73	58.41
2016	51.51	54.38	63.43	71.95	85.81	94.33	100.00	98.85	95.40	83.28	70.00	63.78
2017	53.99	52.05	66.02	77.19	86.75	92.77	97.72	100.00	93.31	85.44	71.07	56.85
2018	49.81	56.21	62.42	77.59	86.19	94.32	100.00	98.31	96.36	85.24	69.73	58.70
2019	54.67	53.22	59.91	75.64	83.66	97.27	98.49	100.00	98.55	89.57	73.61	60.15
2020	52.11	59.52	59.62	70.56	86.48	94.24	99.55	100.00	90.23	82.29	67.07	57.33
2021	52.09	52.65	62.59	73.62	88.30	95.03	100.00	99.92	96.10	86.71	76.32	58.22
2022	52.27	52.36	64.49	74.26	82.00	98.40	99.74	100.00	93.56	86.33	74.03	65.31

الذروة الشهرية مقارنة بالذروة السنوية لمنطقة العين

Ratio of Monthly Peak to Annual Peak of Al Ain Region

Al Ain Peak Demand (MW)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	873	907	1,161	1,571	1,785	1,841	2,038	1,864	1,823	1,536	1,262	941
2014	857	925	1,099	1,628	1,985	2,064	2,114	2,036	1,972	1,687	1,350	976
2015	912	1,135	1,295	1,646	2,001	2,157	2,143	2,202	2,156	1,791	1,356	1,040
2016	917	1,053	1,298	1,558	1,942	2,138	2,167	2,187	2,142	1,714	1,353	1,151
2017	3,456	3,332	4,226	4,941	5,553	5,938	6,255	6,401	5,973	5,469	4,549	3,639
2018	922	1,149	1,400	1,821	2,002	2,186	2,307	2,203	2,117	1,795	1,343	1,060
2019	992	976	1,266	1,639	1,941	2,433	2,343	2,209	2,287	1,987	1,418	1,033
2020	941	1,239	1,199	1,822	2,079	2,274	2,401	2,388	2,033	1,786	1,372	1,167
2021	1,020	1,112	1,517	1,867	2,235	2,468	2,481	2,489	2,325	1,989	1,539	1,115
2022	1,006	1,207	1,591	1,907	2,254	2,525	2,525	2,464	2,380	2,020	1,598	1,228

Ratio of Al Ain Monthly Peak to Annual Peak (MW) (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	42.84	44.50	56.97	77.09	87.59	90.33	100.00	91.46	89.45	75.37	61.92	46.17
2014	40.54	43.76	51.99	77.01	93.90	97.63	100.00	96.31	93.28	79.80	63.86	46.17
2015	41.42	51.54	58.81	74.75	90.87	97.96	97.32	100.00	97.91	81.34	61.58	47.23
2016	41.93	48.15	59.35	71.24	88.80	97.76	99.09	100.00	97.94	78.37	61.87	52.63
2017	53.99	52.05	66.02	77.19	86.75	92.77	97.72	100.00	93.31	85.44	71.07	56.85
2018	39.97	49.80	60.68	78.93	86.78	94.76	100.00	95.49	91.76	77.81	58.21	45.95
2019	40.77	40.12	52.03	67.37	79.78	100.00	96.30	90.79	94.00	81.67	58.28	42.46
2020	39.19	51.60	49.94	75.89	86.59	94.71	100.00	99.46	84.67	74.39	57.14	48.60
2021	40.98	44.68	60.95	75.01	89.80	99.16	99.68	100.00	100.00	80.69	62.43	45.23
2022	39.84	47.80	63.01	75.52	89.27	100.00	100.00	97.58	94.26	80.00	63.29	48.63

الذروة الشهرية مقارنة بالذروة السنوية في منطقة الظفرة

Ratio of Monthly Peak to Annual Peak of Al Dhafra Region

Al Dhafra Region Peak Demand (MW)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	988	1,089	1,063	1,179	1,232	1,313	1,349	1,467	1,408	1,370	1,108	1,037
2014	1,089	1,064	1,313	1,279	1,437	1,468	1,468	1,491	1,514	1,374	1,317	1,158
2015	1,286	1,428	1,784	1,838	1,953	2,133	2,109	1,964	2,082	2,057	1,856	1,707
2016	1,516	1,488	1,631	1,681	2,104	2,081	2,152	2,110	2,242	1,852	1,656	1,591
2017	954	907	1,368	1,758	2,134	2,234	2,284	2,268	2,012	1,864	1,376	980
2018	1,420	1,341	1,672	1,726	2,022	2,055	2,175	2,061	1,994	1,747	1,560	1,468
2019	1,382	1,444	1,614	1,850	1,956	2,221	2,187	2,190	2,200	2,191	1,732	1,656
2020	1,518	1,473	1,443	1,848	2,124	2,072	2,314	2,263	2,119	2,038	1,863	1,648
2021	1,521	1,592	1,819	2,070	2,285	2,184	2,465	2,386	2,248	2,196	1,935	1,842
2022	1,940	1,736	1,907	2,025	2,476	2,423	2,592	2,615	2,587	2,507	2,162	2,102

Ratio of Al Dhafra Region Monthly Peak to Annual Peak (MW) (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	67.35	74.23	72.46	80.37	83.98	89.50	91.96	100.00	95.98	93.39	75.53	70.69
2014	71.93	70.28	86.72	84.48	94.91	96.96	96.96	98.48	100.00	90.75	86.99	76.49
2015	60.29	66.95	83.64	86.17	91.56	100.00	98.87	92.08	97.61	96.44	87.01	80.03
2016	67.62	66.37	72.75	74.98	93.84	92.82	95.99	94.11	100.00	82.60	73.86	70.96
2017	41.77	39.71	59.89	76.97	93.43	97.81	100.00	99.30	88.09	81.61	60.25	42.91
2018	65.29	61.66	76.87	79.36	92.97	94.48	100.00	94.76	91.68	80.32	71.72	67.49
2019	62.22	65.02	72.67	83.30	88.07	100.00	98.47	98.60	99.05	98.65	77.98	74.56
2020	65.60	63.66	62.36	79.86	91.79	89.54	100.00	97.80	91.57	88.07	80.51	71.22
2021	61.70	64.58	73.79	83.98	92.70	88.60	100.00	96.80	91.20	89.09	78.50	74.73
2022	74.19	66.39	72.93	77.44	94.68	92.66	99.12	100.00	98.93	95.87	82.68	80.38

الذروة الشهرية مقارنة بالذروة السنوية للشبكة

Ratio of Monthly Peak to Annual Peak of System

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System Peak Demand (MW)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	4,738	4,856	5,486	6,725	7,689	7,908	8,599	8,484	8,477	7,529	6,214	5,228
2014	4,655	4,947	5,794	7,310	8,594	8,737	8,983	8,925	8,957	8,163	6,688	5,388
2015	5,233	6,095	6,395	7,575	9,086	9,733	10,104	10,172	10,051	9,173	7,284	6,143
2016	5,566	5,811	6,865	7,645	9,403	9,968	10,518	10,289	10,191	8,751	7,297	6,650
2017	5,964	5,849	7,323	8,664	9,745	10,306	10,688	10,876	10,136	9,474	7,637	6,236
2018	5,696	6,329	7,139	8,793	9,690	10,420	11,080	10,762	10,416	9,302	7,481	6,543
2019	6,115	6,087	7,025	8,756	9,691	11,179	10,962	11,092	11,136	10,393	8,222	6,640
2020	6,202	6,719	6,974	8,809	10,147	10,963	11,757	11,728	10,645	9,778	7,924	6,963
2021	6,085	6,746	8,122	9,316	11,072	11,586	12,231	12,188	11,712	10,555	9,143	7,073
2022	6,653	6,732	8,103	9,336	10,353	12,002	12,212	12,129	11,641	10,826	8,910	8,075

Ratio of System Monthly Peak to Annual Peak (MW) (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	55.10	56.47	63.80	78.21	89.42	91.96	100.00	98.66	98.58	87.56	72.26	60.80
2014	51.82	55.07	64.50	81.38	95.67	97.26	100.00	99.35	99.71	90.87	74.45	59.98
2015	51.45	59.92	62.87	74.47	89.32	95.68	99.33	100.00	98.81	90.18	71.61	60.39
2016	52.92	55.25	65.27	72.68	89.40	94.77	100.00	97.82	96.89	83.20	69.38	63.22
2017	54.84	53.78	67.33	79.66	89.60	94.76	98.27	100.00	93.20	87.11	70.22	57.34
2018	51.41	57.12	64.43	79.36	87.45	94.04	100.00	97.13	94.01	83.95	67.52	59.05
2019	54.70	54.45	62.84	78.33	86.69	100.00	98.06	99.22	99.62	92.97	73.55	59.40
2020	52.75	57.15	59.32	74.93	86.31	93.25	100.00	99.75	90.54	83.17	67.40	59.22
2021	49.75	55.15	66.41	76.17	90.52	94.73	100.00	99.65	95.76	86.30	74.75	57.83
2022	54.48	55.13	66.35	76.45	84.78	98.28	100.00	99.32	95.32	88.65	72.96	66.12

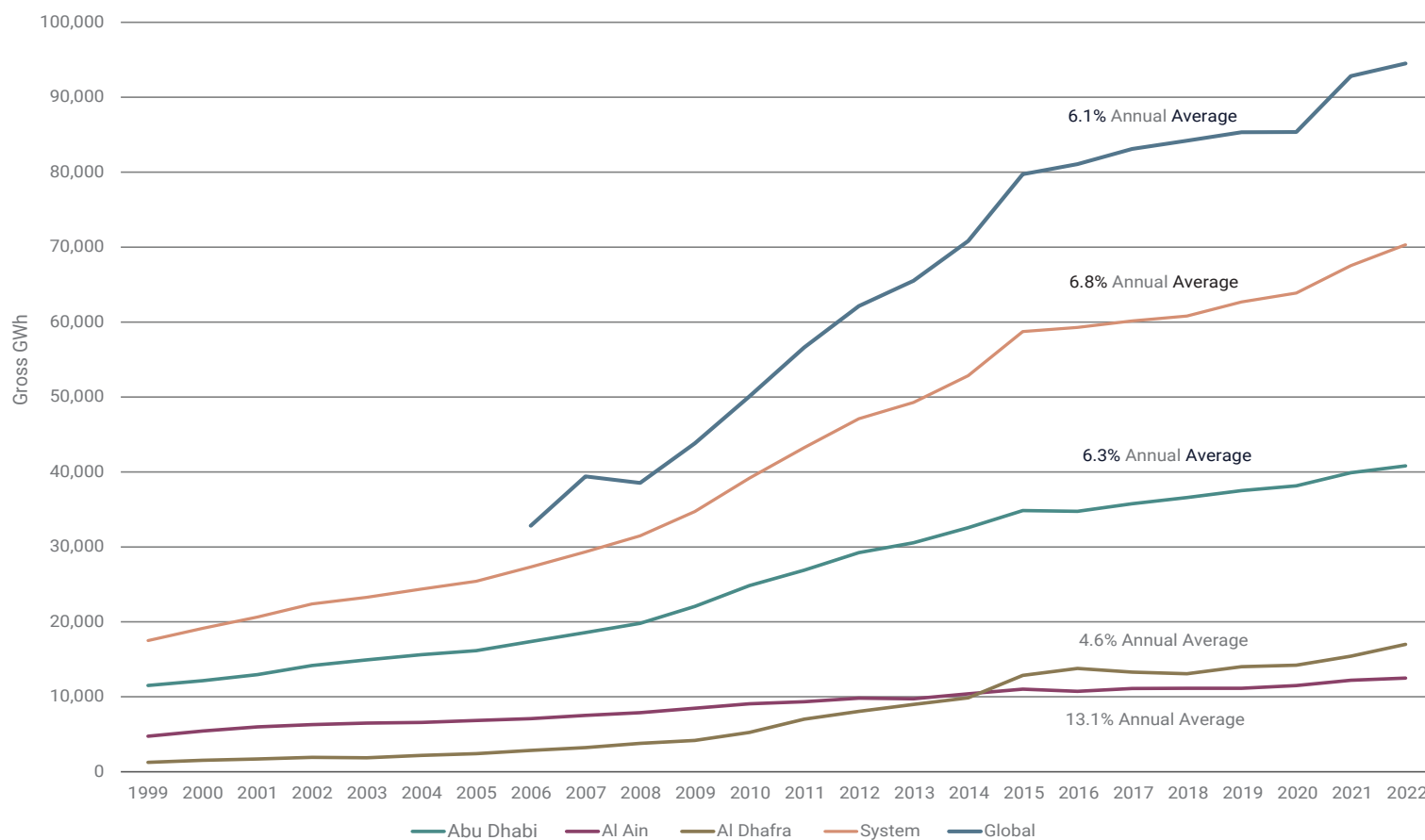
الطلب السنوي على الكهرباء (جيجاوات ساعة)

Annual Energy Demand (Gross GWh)

Year	Abu Dhabi	Al Ain	Al Dhafra	System	Global*	Global including GCC
1999	11,515	4,741	1,251	17,508		
2000	12,158	5,442	1,528	19,128		
2001	12,963	5,984	1,702	20,649		
2002	14,178	6,296	1,925	22,399		
2003	14,925	6,507	1,859	23,290		
2004	15,621	6,569	2,176	24,366		
2005	16,158	6,849	2,416	25,424		
2006	17,376	7,091	2,856	27,323	32,823	32,823
2007	18,577	7,529	3,236	29,342	39,407	39,407
2008	19,804	7,882	3,792	31,478	38,543	38,543
2009	22,062	8,474	4,180	34,716	43,828	43,828
2010	24,850	9,081	5,242	39,173	50,088	50,088
2011	26,892	9,342	7,011	43,245	56,603	56,623
2012	29,235	9,817	8,063	47,115	62,132	62,166
2013	30,560	9,732	8,974	49,267	65,505	65,520
2014	32,575	10,391	9,875	52,841	70,831	70,858
2015	34,850	11,025	12,860	58,736	79,730	79,758
2016	34,761	10,734	13,792	59,286	81,077	81,280
2017	35,769	11,107	13,283	60,159	83,106	82,925
2018	36,594	11,138	13,075	60,807	84,199	84,237
2019	37,516	11,142	14,024	62,682	85,341	85,345
2020	38,148	11,508	14,212	63,868	85,362	84,853
2021	39,906	12,217	15,420	67,543	92,835	92,625
2022	40,817	12,495	16,995	70,308	94,509	94,619

الطلب السنوي على الكهرباء (جيجاوات ساعة)

Annual Energy Demand (Gross GWh)



الطلب الشهري على الكهرباء (جيجاوات ساعة) 2022 - 2018

Monthly Energy Demand (Gross GWh) 2018 - 2022

2018	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	2,130	2,060	2,408	2,817	3,428	3,802	4,043	3,761	3,764	3,369	2,653	2,358	36,594
Al Ain	542	571	697	898	1,166	1,276	1,329	1,235	1,180	964	703	579	11,138
Al Dhafra	982	874	982	1,008	1,241	1,280	1,334	1,237	1,203	1,090	913	931	13,075
System	3,654	3,505	4,087	4,722	5,834	6,358	6,706	6,232	6,148	5,423	4,269	3,868	60,807
Global	4,837	4,698	5,614	6,461	7,999	8,768	9,447	8,952	8,613	7,717	5,897	5,195	84,199
Global including GCC	4,834	4,696	5,612	6,461	8,026	8,788	9,447	8,952	8,613	7,717	5,897	5,193	84,237
2019	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	2,279	2,034	2,307	2,714	3,302	3,813	3,994	3,994	3,906	3,706	2,845	2,622	37,516
Al Ain	561	501	610	811	1,088	1,321	1,312	1,292	1,226	1,070	714	635	11,142
Al Dhafra	915	873	1,026	1,049	1,264	1,326	1,309	1,316	1,353	1,338	1,130	1,123	14,024
System	3,755	3,408	3,943	4,575	5,654	6,460	6,614	6,602	6,486	6,114	4,689	4,381	62,682
Global	4,986	4,481	5,219	6,145	7,735	9,027	9,366	9,323	9,021	8,413	6,080	5,543	85,341
Global including GCC	4,986	4,480	5,218	6,146	7,740	9,028	9,366	9,323	9,021	8,413	6,080	5,543	85,345
2020	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	2,412	2,431	2,676	2,616	3,932	3,809	4,003	4,122	3,712	3,236	2,763	2,436	38,148
Al Ain	568	602	709	871	1,368	1,320	1,338	1,348	1,132	936	708	608	11,508
Al Dhafra	1,060	887	965	1,035	1,551	1,313	1,354	1,338	1,297	1,223	1,106	1,083	14,212
System	4,040	3,921	4,349	4,522	6,851	6,442	6,695	6,808	6,141	5,395	4,578	4,127	63,868
Global	4,848	4,695	5,400	6,112	7,806	9,013	10,075	10,052	8,629	7,317	6,116	5,300	85,362
Global including GCC	4,849	4,697	5,405	6,114	7,807	9,014	9,999	9,680	8,540	7,319	6,115	5,314	84,853
2021	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	2,226	2,105	2,686	2,963	3,652	4,083	4,404	4,474	4,093	3,661	2,991	2,569	39,906
Al Ain	553	562	787	949	1,215	1,400	1,473	1,467	1,312	1,081	789	630	12,217
Al Dhafra	975	958	1,136	1,156	1,352	1,385	1,575	1,593	1,455	1,412	1,189	1,234	15,420
System	3,754	3,624	4,608	5,067	6,220	6,868	7,452	7,534	6,860	6,154	4,969	4,433	67,543
Global	4,890	4,821	6,251	6,788	8,636	9,628	10,437	10,477	9,645	8,631	6,720	5,911	92,835
Global including GCC	4,892	4,823	6,252	6,790	8,638	9,630	10,305	10,142	9,447	8,633	7,047	6,025	92,625
2022	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	2,242	2,143	2,773	3,106	3,526	4,122	4,434	4,510	4,129	3,750	3,239	2,844	40,817
Al Ain	572	565	808	1,036	1,181	1,441	1,451	1,473	1,320	1,095	874	679	12,495
Al Dhafra	1,186	1,031	1,254	1,300	1,414	1,483	1,651	1,711	1,617	1,579	1,388	1,380	16,995
System	4,000	3,739	4,835	5,442	6,121	7,047	7,535	7,694	7,065	6,425	5,501	4,903	70,308
Global	5,218	4,406	6,587	7,470	8,407	9,633	10,238	10,401	9,578	8,671	7,575	6,325	94,509
Global including GCC	5,420	4,588	6,589	7,472	8,409	9,459	10,146	10,375	9,581	8,674	7,577	6,328	94,619

الاستهلاك الشهري مقارنة بالاستهلاك السنوي لمنطقة أبوظبي

Ratio of Monthly Energy Demand to Annual Peak Energy Demand of Abu Dhabi Region

Abu Dhabi Energy Demand (GWh)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	1,748	1,646	1,996	2,238	2,697	2,913	3,482	3,452	3,256	2,867	2,292	1,973
2014	1,741	1,694	2,084	2,508	2,969	3,236	3,553	3,584	3,439	3,171	2,435	2,161
2015	2,009	2,068	2,433	2,548	3,148	3,535	3,765	3,801	3,478	3,259	2,527	2,279
2016	1,991	1,874	2,256	2,464	3,264	3,308	3,802	3,831	3,434	3,220	2,853	2,464
2017	2,266	1,964	2,492	2,927	3,536	3,552	3,764	3,782	3,384	3,356	2,609	2,138
2018	2,130	2,060	2,408	2,817	3,428	3,802	4,043	3,761	3,764	3,369	2,653	2,358
2019	2,279	2,034	2,307	2,714	3,302	3,813	3,994	3,994	3,906	3,706	2,845	2,622
2020	2,412	2,431	2,676	2,616	3,932	3,809	4,003	4,122	3,712	3,236	2,763	2,436
2021	2,226	2,105	2,686	2,963	3,652	4,083	4,404	4,474	4,093	3,661	2,991	2,569
2022	2,242	2,143	2,773	3,106	3,526	4,122	4,434	4,510	4,129	3,750	3,239	2,844

Ratio of Abu Dhabi Energy Demand to Peak Monthly Energy Demand (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	50.20	47.28	57.31	64.27	77.45	83.64	100.00	99.13	93.50	82.33	65.83	56.66
2014	48.56	47.27	58.14	69.98	82.83	90.28	99.14	100.00	95.93	88.48	67.93	60.29
2015	52.85	54.40	64.01	67.04	82.81	92.99	99.04	100.00	91.49	85.72	66.47	59.96
2016	51.96	48.91	58.90	64.32	85.19	86.34	99.25	100.00	89.65	84.04	74.47	64.32
2017	59.90	51.94	65.88	77.38	93.48	93.92	99.52	100.00	89.47	88.72	68.99	56.52
2018	52.67	50.97	59.57	69.68	84.80	94.05	100.00	93.04	93.10	83.33	65.63	58.33
2019	57.06	50.91	57.76	67.96	82.67	95.47	99.99	100.00	97.81	92.79	71.23	65.66
2020	58.51	58.99	64.92	63.48	95.41	92.41	97.12	100.00	90.07	78.52	67.04	59.10
2021	49.76	47.05	60.03	66.23	81.64	91.27	98.45	100.00	91.49	81.84	66.86	57.42
2022	49.71	47.51	61.49	68.88	78.19	91.41	98.31	100.00	91.55	83.15	71.83	63.05

الاستهلاك الشهري مقارنة بالاستهلاك السنوي لمنطقة العين

Ratio of Monthly Energy Demand to Annual Peak Energy Demand of Al Ain Region

Al Ain Energy Demand (GWh)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	475	452	607	708	901	1,051	1,260	1,169	1,064	865	647	533
2014	483	454	593	807	1,022	1,157	1,293	1,244	1,131	972	659	575
2015	528	541	681	875	1,129	1,241	1,315	1,277	1,125	995	709	608
2016	515	518	614	760	1,118	1,165	1,294	1,288	1,147	945	758	612
2017	552	517	722	955	1,204	1,261	1,298	1,252	1,089	1,003	707	546
2018	542	571	697	898	1,166	1,276	1,329	1,235	1,180	964	703	579
2019	561	501	610	811	1,088	1,321	1,312	1,292	1,226	1,070	714	635
2020	568	602	709	871	1,368	1,320	1,338	1,348	1,132	936	708	608
2021	553	562	787	949	1,215	1,400	1,473	1,467	1,312	1,081	789	630
2022	572	565	808	1,036	1,181	1,441	1,451	1,473	1,320	1,095	874	679

Ratio of Al Ain Energy Demand to Peak Monthly Energy Demand (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	37.72	35.83	48.13	56.17	71.50	83.41	100.00	92.74	84.39	68.60	51.37	42.28
2014	37.40	35.15	45.92	62.42	79.03	89.51	100.00	96.24	87.49	75.20	50.99	44.52
2015	40.12	41.12	51.77	66.51	85.82	94.38	100.00	97.10	85.55	75.64	53.92	46.22
2016	39.77	39.99	47.46	58.72	86.40	90.01	100.00	99.49	88.66	73.01	58.53	47.30
2017	42.53	39.82	55.63	73.61	92.80	97.16	100.00	96.49	83.88	77.29	54.51	42.03
2018	40.81	42.92	52.40	67.52	87.68	95.97	100.00	92.88	88.79	72.52	52.87	43.57
2019	42.50	37.92	46.21	61.39	82.34	100.00	99.29	97.84	92.83	81.00	54.06	48.09
2020	41.53	44.01	51.82	63.67	100.00	96.49	97.78	98.54	82.74	68.41	51.78	44.42
2021	37.54	38.14	53.42	64.44	82.54	95.06	100.00	99.63	89.12	73.38	53.59	42.78
2022	38.84	38.38	54.82	70.33	80.14	97.85	98.47	100.00	89.61	74.36	59.32	46.08

نسبة الطلب الشهري قياسا بذروة الطلب السنوي على الكهرباء في منطقة الظفرة

Ratio of Monthly Energy Demand to Annual Peak Energy Demand of Al Dhafra Region

Al Dhafra Energy Demand (GWh)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	644	593	644	690	759	788	869	903	860	816	707	700
2014	676	624	742	745	849	883	972	982	958	899	784	761
2015	765	626	705	995	1,162	1,235	1,380	1,285	1,255	1,240	1,089	1,122
2016	1,003	860	969	1,015	1,335	1,286	1,338	1,376	1,305	1,162	1,087	1,056
2017	967	919	1,031	1,110	1,269	1,201	1,230	1,236	1,144	1,170	983	1,024
2018	982	874	982	1,008	1,241	1,280	1,334	1,237	1,203	1,090	913	931
2019	915	873	1,026	1,049	1,264	1,326	1,309	1,316	1,353	1,338	1,130	1,123
2020	1,060	887	965	1,035	1,551	1,313	1,354	1,338	1,297	1,223	1,106	1,083
2021	975	958	1,136	1,156	1,352	1,385	1,575	1,593	1,455	1,412	1,189	1,234
2022	1,186	1,031	1,254	1,300	1,414	1,483	1,651	1,711	1,617	1,579	1,388	1,380

Ratio of Al Dhafra Energy Demand to Peak Monthly Energy Demand (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	71.31	65.63	71.35	76.43	84.07	87.30	96.21	100.00	95.27	90.36	78.31	77.50
2014	68.86	63.60	75.54	75.86	86.44	89.93	99.04	100.00	97.53	91.60	79.88	77.53
2015	55.43	45.34	51.06	72.07	84.20	89.46	100.00	93.09	90.90	89.83	78.92	81.29
2016	72.92	62.52	70.48	73.78	97.08	93.48	97.23	100.00	94.88	84.48	78.99	76.76
2017	76.19	72.40	81.20	87.41	100.00	94.59	96.87	97.37	90.11	92.15	77.43	80.62
2018	73.58	65.50	73.59	75.51	92.98	95.96	100.00	92.67	90.19	81.70	68.44	69.75
2019	67.61	64.54	75.80	77.54	93.42	97.96	96.71	97.24	100.00	98.89	83.54	83.01
2020	68.34	57.21	62.20	66.71	100.00	84.69	87.31	86.30	83.60	78.84	71.33	69.85
2021	61.18	60.10	71.30	72.53	84.85	86.90	98.87	100.00	91.29	88.63	74.61	77.46
2022	69.30	60.27	73.28	75.95	82.62	86.68	96.48	100.00	94.46	92.30	81.13	80.65

نسبة الطلب الشهري على الكهرباء مقارنةً بذروة الطلب السنوي في النظام

Ratio of Monthly Energy Demand to Annual Peak Energy Demand of System

System Energy Demand (GWh)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	2,868	2,691	3,247	3,636	4,357	4,752	5,612	5,524	5,180	4,548	3,647	3,206
2014	2,900	2,773	3,419	4,060	4,839	5,276	5,818	5,810	5,527	5,043	3,878	3,498
2015	3,302	3,235	3,819	4,418	5,439	6,011	6,461	6,364	5,858	5,494	4,325	4,010
2016	3,508	3,251	3,840	4,239	5,717	5,758	6,434	6,494	5,887	5,327	4,697	4,132
2017	3,785	3,400	4,245	4,992	6,010	6,014	6,292	6,271	5,617	5,529	4,300	5,451
2018	3,654	3,505	4,087	4,722	5,834	6,358	6,706	6,232	6,148	5,423	4,269	3,868
2019	3,755	3,408	3,943	4,575	5,654	6,460	6,614	6,602	6,486	6,114	4,689	4,381
2020	4,040	3,921	4,349	4,522	6,851	6,442	6,695	6,808	6,141	5,395	4,578	4,127
2021	3,754	3,624	4,608	5,067	6,220	6,868	7,452	7,534	6,860	6,154	4,969	4,433
2022	4,000	3,739	4,835	5,442	6,121	7,047	7,535	7,694	7,065	6,425	5,501	4,903

Ratio of System Energy Demand to Peak Monthly Energy Demand (%)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2013	51.68	49.42	60.93	72.35	86.23	94.02	103.68	103.54	98.49	89.87	69.11	62.33
2014	56.75	55.59	65.64	75.94	93.48	103.32	111.04	109.38	100.69	94.42	74.34	68.92
2015	51.10	50.07	59.11	68.38	84.19	93.04	100.00	98.50	90.67	85.03	66.95	62.06
2016	54.02	50.07	59.13	65.28	88.04	88.67	99.07	100.00	90.65	82.02	72.33	63.63
2017	60.16	54.04	67.46	79.34	95.51	95.59	100.00	99.66	89.27	87.87	68.34	86.63
2018	54.48	52.26	60.94	70.41	87.00	94.81	100.00	92.93	91.67	80.86	63.66	57.68
2019	56.78	51.53	59.62	69.16	85.48	97.67	100.00	99.83	98.06	92.45	70.90	66.24
2020	58.96	57.23	63.48	66.00	100.00	94.03	97.72	99.37	89.63	78.74	66.82	60.23
2021	49.82	48.10	61.17	67.26	82.55	91.15	98.92	100.00	91.05	81.68	65.95	58.84
2022	51.98	48.60	62.84	70.73	79.55	91.59	97.93	100.00	91.83	83.50	71.50	63.72

الإنتاج السنوي للكهرباء (ميجاوات ساعة)

Annual Electricity Generation (Gross GWh)

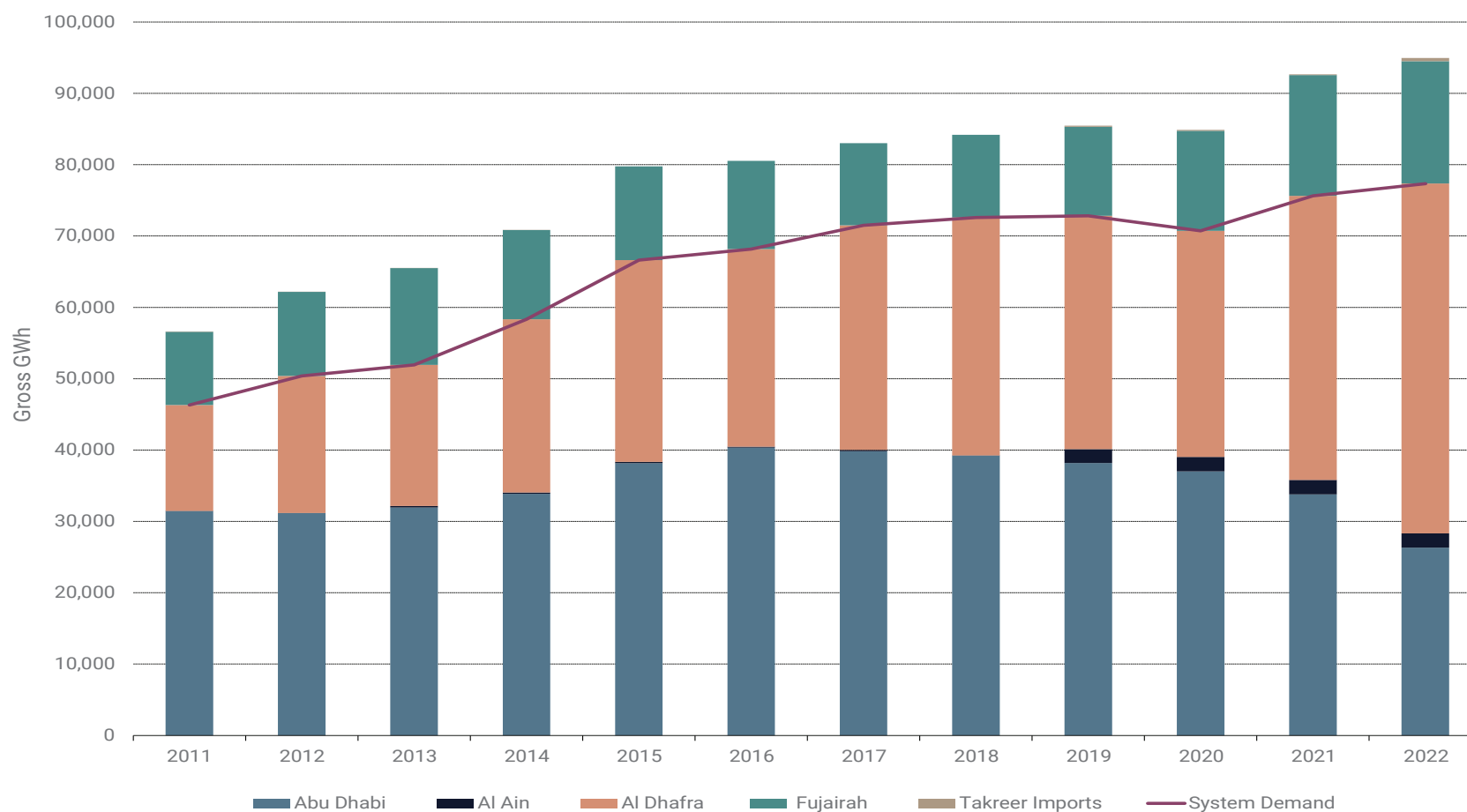
Annual Electricity Generation										
Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Taweelah B	823	1,821	1,601	1,664	1,753	1,776	1,664	1,061	1,098	863
Taweelah B2 Extension	1,776	2,151	2,308	2,255	2,242	2,296	2,351	2,219	2,302	1,321
Taweelah New Extension	6,899	6,831	7,732	7,853	7,337	7,474	6,977	7,659	7,144	6,832
TAPCO Total	9,498	10,803	11,641	11,773	11,332	11,546	10,991	10,940	10,545	9,016
Al Ain	203	178	198	130	179	49	3,919	4	0	0
Al Mirfa	277	29	78	0	0	0	0	0	0	0
Madinat Zayed	90	25	29	39	20	12	651	0	0	0
AMPC Total	569	231	305	169	199	61	4,570	4	0	0
New Mirfa				75	3,089	5,844	6,369	6,621	5,718	5,647
MIPCO Total				75	3,089	5,844	6,369	6,621	5,718	5,647
Shams 1	54	243	243	261	257	233	230	252	270	284
Masdar PV								15	14	13
Masdar Total	54	243	243	261	257	233	230	267	284	298
Taweelah A2	4,546	5,162	5,206	4,998	5,161	5,525	5,168	4,786	3,493	0
ECPC Total	4,546	5,162	5,206	4,998	5,161	5,525	5,168	4,786	3,493	0
Taweelah A1	7,134	7,867	9,620	11,108	10,493	10,339	11,204	10,770	9,347	7,967
GTTPC Total	7,134	7,867	9,620	11,108	10,493	10,339	11,204	10,770	9,347	7,967
Shuweihat S1	9,287	9,344	9,991	10,362	9,399	8,958	9,588	9,695	10,687	10,172
SCIPCO Total	9,287	9,344	9,991	10,362	9,399	8,958	9,588	9,695	10,687	10,172
Shuweihat S2	9,887	8,916	9,747	10,430	10,919	10,404	10,350	9,633	9,257	9,097
RPC Total	9,887	8,916	9,747	10,430	10,919	10,404	10,350	9,633	9,257	9,097
Shuweihat S3	181	5,740	8,183	6,545	10,919	7,877	6,158	3,699	3,834	3,227
SAPCO Total	181	5,740	8,183	6,545	10,919	7,877	6,158	3,699	3,834	3,227

الإنتاج السنوي للكهرباء (ميجاوات ساعة) (تابع)

Annual Electricity Generation (Gross GWh) (continued)

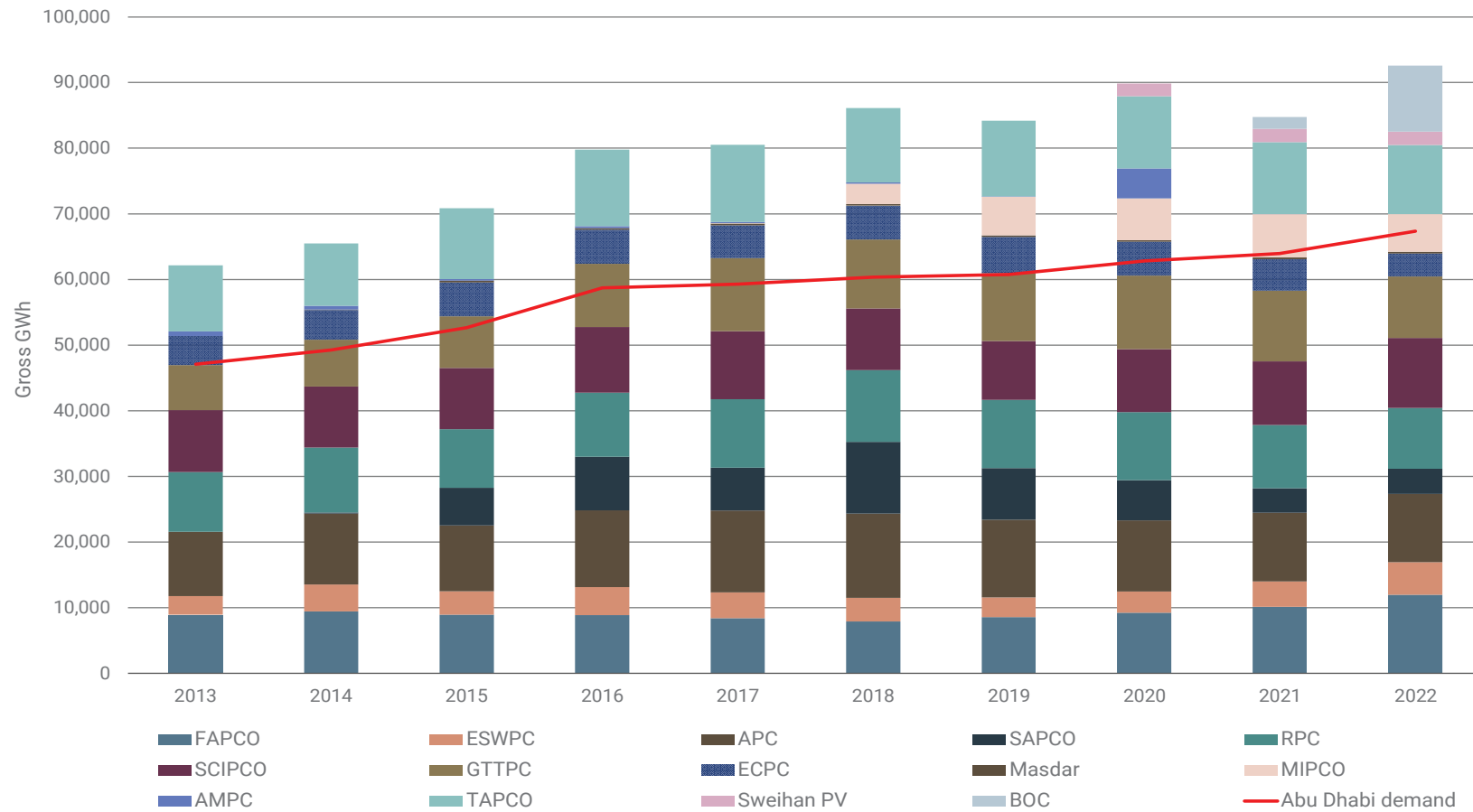
Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Noor Abu Dhabi							1,918	2,043	2,008	2,011
SWEIHAN PV Total							1,918	2,043	2,008	2,011
Al Dhafra PV									108	108
DPV2EC Total									108	108
BNPP								1,791	10,067	20,596
BOC Total								1,791	10,067	20,596
Umm Al Nar East	136	61	238	91	30	25	3	2	15	0
Umm Al Nar West	1,605	1,200	1,547	1,318	1,428	602	116	73	159	0
Sas Al Nakhl	9,039	8,775	9,906	11,053	11,391	11,172	10,689	10,414	10,218	9,217
APC Total	10,780	10,036	11,691	12,462	12,850	11,798	10,807	10,489	10,392	9,217
EWEC SYSTEM Total	51,702	52,359	58,201	61,302	60,352	64,709	72,830	70,737	75,632	77,355
Net Imports from EMAL	26	11	-24	-9	-2	44	-121	-29	-37	-346
Net Imports from (ENG) to Abu Dhabi	1	-5,494	-7	-8	-9	-9	-8	-7	-5,745	-4,909
Net Imports from (ENG) to Abu Dhabi	-14,781	-16,809	-19,616	-20,179	-21,067	-21,801	-20,790	-19,244	-23,162	-22,349
Net Imports from Takreer	1,631	687					156	143	95	459
Net Imports from GCC	-15,425	-27,519	-14,655	635	102	-27	-12	509	210	-109
Total Net Imports	-14,769	-16,824	-19,616	-19,554	-20,966	-21,785	-20,776	-18,621	-22,893	-22,346
Qidfa Auxiliary	1,457	1,376	1,418	1,687	1,677	1,644	1,713	2,166	2,313	2,253
Abu Dhabi Demand	49,267	52,646	58,736	59,286	60,363	60,753	62,837	63,952	67,360	69,907
ESWPC	4,097	3,541	4,263	3,940	3,577	3,004	3,248	3,842	4,961	4,971
FAPCO	9,458	8,963	8,880	8,404	7,924	8,592	9,241	10,161	11,974	12,181
Global Generation	65,492	70,847	71,344	80,527	83,006	84,182	85,319	84,740	92,567	94,506
Global Energy Demand	65,505	70,831	56,665	81,077	83,106	84,199	85,341	85,362	92,835	94,509

الإنتاج السنوي للكهرباء حسب المنطقة (ميجاوات ساعة) Annual Electricity Generation by Region (Gross GWh)



الإنتاج السنوي للكهرباء حسب الشركة (ميجاوات ساعة)

Annual Electricity Generation by Company (Gross GWh)



كمية الطاقة المولدة حسب نوع المولدات (جيجاوات ساعة)

Energy Generation by Type of Generator (Gross GWh)

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Fossils Fuels	65,439	70,604	79,526	80,266	82,748	83,949	83,171	80,639	80,208	71,494
Nuclear								1,791	10,067	20,596
Solar PV								2,058	2,022	2,132
CSP	54	243	243	261	257	233	230	253	270	284
Total	65,492	70,847	70,847	79,769	80,527	83,006	84,182	85,319	84,740	92,567

نسبة توليد الطاقة حسب نوع المولدات

Energy Generation by Type of Generator (Percent)

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Fossil Fuels	99.9%	99.7%	99.7%	99.7%	99.7%	99.7%	97.5%	95.2%	86.6%	75.7%
Nuclear	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	10.9%	21.8%
Solar PV	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	2.4%	2.2%	2.3%
CSP	0.1%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

كثافة ثاني أكسيد الكربون (الطاقة والمياه) وإجمالي الانبعاثات

CO2 Intensities (power and water) and Total Emissions

	Actuals			Forecast													
Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	
CO2 intensity of power (g/kWh)	297	231	251	180	140	150	200	190	180	180	180	180	180	170	160	170	
CO2 intensity of water (kg/m3)	12.3	16.4	11.0	10.2	10.7	7.2	3.2	2.3	2.1	1.9	1.7	1.4	1.4	1.2	1.2	1.3	
Total CO2 Emissions (MT)	41.7	41.6	36.0	27.9	25.2	22.7	23.6	21.9	21.5	21.7	22.1	21.8	21.9	21.1	21.0	21.91	

الاستهلاك الداخلي السنوي للمحطات (ميجاوات ساعة)

Annual Auxiliary Electricity Consumption by Station (GWh)

Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Taweelah B	643	705	698	653	680	658	595	641	672	481
Taweelah B2 Extension	271	223	204	166	170	164	179	165	240	207
Taweelah New Extension	599	521	562	549	515	570	504	547	528	644
TAPCO Total	1,513	1,448	1,463	1,368	1,365	1,392	1,279	1,353	1,440	1,332
Al Ain	5	5	5	5	5	4	3	3	0	0
Al Mirfa	189	175	160	0	0	0	0	0	0	0
Madinat Zayed	2	2	2	2	2	2	2	2	0	0
AMPC Total	196	181	167	6	7	5	5	5	0	0
Shams 1	20	29	29	30	31	29	26	29	30	26
Shams 1 Total	20	29	29	30	31	29	26	29	30	26
Taweelah A1	510	532	538	559	544	541	497	553	536	519
GTTPC Total	510	532	538	559	544	541	497	553	536	519
Taweelah A2	411	438	428	413	423	436	419	419	322	0
ECPC Total	411	438	428	413	423	436	419	419	322	0
Shuweihat S1	867	848	833	846	785	810	716	876	914	877
SCIPCO Total	867	848	833	846	785	810	716	876	914	877
Shuweihat S2	720	723	753	762	746	728	746	705	714	728
RPC Total	720	723	753	762	746	728	746	705	714	728

الاستهلاك الداخلي السنوي للمحطات (ميجاوات ساعة) (تابع)
Annual Auxiliary Electricity Consumption by Station (GWh)
(continued)

Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Shuweihat S3	20	2,257	257	216	256	254	213	164	167	158
SAPCO Total	20	2,257	257	216	256	254	213	164	167	158
New Mirfa				86	582	594	624	659	711	775
MIPCO Total				86	582	594	624	659	711	775
BNPP								275	807	1,336
BOC Total								275	807	1,336
Noor Abu Dhabi								27	50	51
Sweihan PV Total								27	50	51
Umm Al Nar East	171	161	169	163	132	96	29	7	8	0
Umm Al Nar West	345	334	359	340	342	225	120	90	77	0
Sas Al Nakhl	846	780	1	812	783	828	796	728	724	754
APC Total	1,361	1,275	528	1,315	1,256	1,149	945	824	809	754
EWEC System Total	5,620	5,699	5,773	5,516	5,995	5,939	5,469	5,888	6,523	7,007
ESWPC	850	741	771	854	856	808	829	865	934	884
FAPCO	607	635	646	631	636	637	656	629	650	666
Global Auxiliary Consumption	7,077	7,075	7,191	7,001	7,487	7,384	6,953	7,382	8,107	8,557

كميات الكهرباء المصدرة والمستوردة سنويا (ميجاوات ساعة)

Annual Electricity Exports and Imports (MWh)

Year	Abu Dhabi	Al Ain	Al Dhafra	Takreer (including Al Dhafra)	EMAL	ENG			Al Dhafra	
	Abu Dhabi/ Al Dhafra Region + Al Ain Region + Other Emirates	Al Ain Region/ Abu Dhabi & Al Dhafra Region	Al Dhafra Region/ Abu Dhabi & Al Ain Region	Takreer/ Al Dhafra Region	EMAL/ Abu Dhabi Region	Emirates National Grid (ENG)/ Abu Dhabi Region	ENG/Fujairah Plants	ENG/ Abu Dhabi Region & Fujairah Plants	Al Dhafra Region/KSA	Al Dhafra Region/ Oman
1999	3,814,538	-3,791,830	-22,708							
2000	4,859,216	-4,506,896	-352,320							
2001	5,092,286	-4,773,327	-318,959	153,796						
2002	5,556,633	-5,309,535	-247,098	372,640						
2003	6,160,565	-5,943,671	-216,894	178,444						
2004	4,256,011	-6,191,220	1,935,209	222,822						
2005	2,751,897	-6,700,568	3,948,671	139						
2006	2,920,283	-7,045,448	6,139,938	835,371		-2,014,773		-2,014,773		
2007	7,211,582	-7,489,320	5,892,613	814,616		-5,614,875	-3,425,184	-9,040,059		
2008	6,129,492	-7,880,491	4,722,273	-3,354		-2,971,274	-3,067,943	-6,039,217		
2009	6,357,159	-8,473,462	6,793,532	174,306	8,628	-4,685,857	-3,364,977	-8,050,834		
2010	3,444,288	-9,073,081	5,608,637	128,395	18,199	-2,685,643	-6,928,519	-9,614,162		
2011	4,567,041	-9,341,311	7,843,808	52,655	-6,208	-4,148,807	-8,061,365	-12,210,172	35,898	-15,814
2012	1,944,532	-9,816,499	11,135,599	2,828	-2,039	-4,697,691	-8,895,946	-13,593,637	23,042	11,045
2013	1,398,604	-7,474,990	10,800,650	1,631	26,351	-4,310,368	-10,471,072	-14,781,439	-66,897	23,310
2014	1,293,007	-10,005,114	14,421,595	687	11,115	-5,494,057	-11,314,452	-16,808,509	-67,417	-16,720
2015	3,307,547	-10,574,016	15,410,345	0	-24,336	-7,246	-19,569,678	-19,576,924	-15,959	-25,972
2016	5,580,336	-10,577,115	13,920,485	0	-9,374	-7,947	-20,171,161	-20,179,108	-596,812	-25,084
2017	4,066,765	-10,958,744	18,207,180	0	-1,685	-8,759	-21,057,754	-21,066,513	-149,341	-28,486
2018	2,614,593	-6,206,142	20,253,198	0	43,965	-8,979	-21,792,468	-21,801,447	3,708	-7,752
2019	655,341	-9,071,311	18,677,025	155,504	-121,435	-7,610	-20,782,779	-20,790,389	-89,813	-54,349
2020	-1,147,832	-9,471,215	17,478,236	142,512	-29,390	-6,768	-19,236,816	-19,243,585	131,478	-399,183
2021	-6,114,644	-5,305,702	24,412,731	94,554	-36,674	-5,745,122	-17,416,411	-23,161,533	131,478	-355,616
2022	-14,496,585	-1,765,801	32,027,763	16,280,185	65,898,749	-4,908,766	-17,440,666	-22,349,432	106,052	45,188

كميات الكهرباء المصدرة والمستوردة شهريا (ميجاوات ساعة) 2019 - 2020

Monthly Electricity Exports and Imports (MWh) 2019 - 2020

2019													
Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	417,303	337,029	292,421	145,152	-48,606	-74,118	-47,392	41,350	-69,124	-103,728	-165,143	-69,803	655,341
Al Ain -> Abu Dhabi	-586,275	-546,647	-601,733	-642,689	-880,487	-1,146,218	-1,205,656	-1,213,677	-1,074,867	-806,571	-528,695	-433,131	-9,666,643
Al Ain -> Al Dhafra	-100,129	-86,656	-98,640	-129,651	-212,201	-280,168	-312,327	-320,708	-289,613	-213,406	-187,046	-95,783	-2,326,326
Al Ain -> Fujairah	337,020	304,744	259,400	159,374	219,522	290,381	352,615	378,494	276,537	138,272	181,398	78,253	2,976,007
Al Ain -> GCC	-6,048	-4,080	-3,883	-1,281	1,022	-5,944	-7,037	-5,685	-7,074	-5,886	-5,352	-3,103	-54,349
Total flow from Al Ain	-355,431	-332,639	-444,856	-614,247	-872,145	-1,141,949	-1,172,405	-1,161,576	-1,095,017	-887,591	-539,695	-453,764	-9,071,311
Al Dhafra -> Abu Dhabi	860,186	766,279	812,325	983,690	1,558,062	2,058,518	2,236,960	2,212,256	1,971,069	1,403,281	971,294	606,591	16,440,512
Al Dhafra -> Al Ain	100,129	86,656	98,640	129,651	212,201	280,168	312,327	320,708	289,613	213,406	187,046	95,783	2,326,326
Al Dhafra -> GCC	-6,914	-3,256	-2,484	-4,626	-5,470	-9,102	-9,411	-12,859	-11,843	-9,796	-9,205	-4,848	-89,813
Total flow from Al Dhafra	953,401	849,679	908,481	1,108,715	1,764,793	2,329,584	2,539,876	2,520,106	2,248,839	1,606,891	1,149,135	697,527	18,677,025
Takreer										155,504			155,504
EMAL	1,787	955	510	259	2,320	-49,173	-163,304	-188,205	-96,033	76,658	131,169	161,623	-121,435
Other Emirates -> Abu Dhabi	-602	-535	-523	-498	-663	-850	-936	-957	-817	-585	-405	-238	-7,610
Other Emirates -> Fujairah	-1,102,764	-964,265	-1,142,620	-1,436,640	-1,926,933	-2,414,319	-2,592,960	-2,562,893	-2,379,005	-1,985,597	-1,250,035	-1,024,749	-20,782,779
Other Emirates	-1,103,367	-964,800	-1,143,143	-1,437,138	-1,927,596	-2,415,169	-2,593,896	-2,563,851	-2,379,823	-1,986,182	-1,250,440	-1,024,987	-20,790,389
2020													
Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	24,460	41,009	26,904	347,492	-473,091	61,275	-35,245	-261,689	-264,099	-174,828	-35,684	-404,335	-1,147,832
Al Ain -> Abu Dhabi	-512,201	-554,416	-566,994	-713,761	-1,044,123	-1,170,445	-1,062,191	-944,458	-900,028	-656,450	-468,342	-370,846	-8,964,254
Al Ain -> Al Dhafra	-96,306	-48,711	-124,498	-81,101	-185,769	-272,679	-258,503	-260,058	-251,053	-176,800	-177,528	-145,408	-2,078,413
Al Ain -> Fujairah	206,162	187,454	198,710	93,501	292,203	309,334	151,150	222,018	163,897	66,643	45,353	34,210	1,970,635
Al Ain -> GCC	-2,462	863	1,479	765	-728	-1,839	-84,007	-298,670	-10,909	-5,635	-8,490	10,450	-399,183
Total flow from Al Ain	-404,807	-414,810	-491,302	-700,596	-938,416	-1,135,629	-1,253,551	-1,281,168	-998,093	-772,242	-609,007	-471,594	-9,471,215
Al Dhafra -> Abu Dhabi	812,792	765,269	882,950	794,739	1,282,453	1,924,885	1,923,349	1,860,664	1,632,011	1,190,099	1,151,593	1,047,541	15,268,345
Al Dhafra -> Al Ain	96,306	48,711	124,498	81,101	185,769	272,679	258,503	260,058	251,053	176,800	177,528	145,408	2,078,413
Al Dhafra -> GCC	-1,397	-1,934	-4,397	-3,206	-2,471	-3,147	-5,349	69,966	74,284	-7,433	7,335	9,225	131,478
Total flow from Al Dhafra	907,701	812,046	1,003,051	872,634	1,465,751	2,194,417	2,176,503	2,190,688	1,957,348	1,359,466	1,336,456	1,202,174	17,478,236
Takreer	159	101	137	172	212	274	69,114		69,490	2,029	749	75	142,512
EMAL	-148,495	-140,436	-150,228	-53	31	51	207,991	205,080	25,894	-104	-262	-28,859	-29,390
Other Emirates -> Abu Dhabi	-444	-409	-447	-419	-761	-844	-742	-771	-635	-327	-677	-292	-6,768
Other Emirates -> Fujairah	-956,795	-966,065	-1,190,939	-1,397,386	-759,815	-2,365,665	-2,692,605	-2,657,816	-2,148,456	-1,702,547	-1,361,716	-1,037,012	-19,236,816
Other Emirates	-957,239	-966,474	-1,191,386	-1,397,805	-760,576	-2,366,510	-2,693,347	-2,658,587	-2,149,091	-1,702,874	-1,362,393	-1,037,304	-19,243,585

كميات الكهرباء المصدرة والمستوردة شهريا (ميجاوات ساعة) 2021 - 2022

Monthly Electricity Exports and Imports (MWh) 2021 - 2022

2021													
Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	-127,473	26,850	-366,023	-612,177	-565,942	-649,830	-667,035	-720,759	-654,074	-589,120	-582,322	-606,738	-6,114,644
Al Ain -> Abu Dhabi	-215,706	-280,670	-351,947	-576,083	-423,973	-611,422	-591,481	-514,254	-506,320	-523,834	-545,343	-476,634	-5,617,667
Al Ain -> Al Dhafra	-133,963	-140,483	-144,253	-13,665	-432,675	-328,357	-303,106	-295,657	-293,781	-172,398			-2,258,338
Al Ain -> Fujairah	-61,479	90,959	348,501	289,297	445,918	302,761	351,031	365,609	324,789	158,219	121,697	188,617	2,925,919
Al Ain -> GCC	-2,575	-2,682	-4,919	-6,203	-8,080	-9,811	-144,329	-257,298	-125,326	-4,181	101,114	108,674	-355,616
Total flow from Al Ain	-413,723	-332,876	-152,618	-306,654	-418,810	-646,829	-687,885	-701,600	-600,638	-542,194	-322,532	-179,343	-5,305,702
Al Dhafra -> Abu Dhabi	779,453	728,049	1,542,574	1,918,562	2,206,918	2,340,015	2,365,525	2,083,061	2,144,793	1,959,235	1,973,118	1,981,612	22,022,915
Al Dhafra -> Al Ain	133,963	140,483	144,253	13,665	432,675	328,357	303,106	295,657	293,781	172,398			2,258,338
Al Dhafra -> GCC	-1,397	-1,934	-4,397	-3,206	-2,471	-3,147	-5,349	69,966	74,284	-7,433	7,335	9,225	131,478
Total flow from Al Dhafra	912,019	866,598	1,682,430	1,929,022	2,637,122	2,665,226	2,663,282	2,448,684	2,512,858	2,124,200	1,980,453	1,990,837	24,412,731
Takreer	324	4,306	6,098	2,377	5,982	3,267	929	46,646	1,108	1,300	16,219	5,998	94,554
EMAL	-142,828	-117,808	-18	-41,950	-10,334	90,145	199,109	161,530	37,377	3	-55	-211,845	-36,674
Other Emirates -> Abu Dhabi	-267,528	-246,580	-386,831	-410,786	-644,244	-640,778	-715,484	-721,891	-638,077	-418,897	-305,106	-348,920	-5,745,122
Other Emirates -> Fujairah	-665,022	-767,125	-1,096,922	-1,300,459	-1,570,218	-1,926,905	-2,049,741	-2,091,300	-1,942,276	-1,838,584	-1,244,154	-923,705	-17,416,411
Other Emirates	-932,550	-1,013,705	-1,483,753	-1,711,245	-2,214,462	-2,567,683	-2,765,225	-2,813,191	-2,580,353	-2,257,481	-1,549,260	-1,272,625	-23,161,533
2022													
Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	-693,242	-803,422	-904,762	-878,318	-801,899	-1,234,368	-1,647,197	-1,753,731	-1,518,670	-1,472,697	-1,469,643	-1,318,635	-14,496,585
Al Ain -> Abu Dhabi	-478,209	-357,690	-216,388	-146,388	-194,623	-155,849	-124,455	-140,442	-138,467	-134,183	4,283	68,444	-2,013,967
Al Ain -> Al Dhafra			-23,797	-167,196	-181,774	-236,492	-301,634	-310,400	-276,959	-220,688	-258,327	-237,460	-2,214,727
Al Ain -> Fujairah	76,422	80,786	250,312	127,975	118,244	224,419	284,406	271,361	218,535	196,447	231,448	337,350	2,417,705
Al Ain -> GCC	193,562	174,203	-2,943	-3,723	-5,739	-179,195	-98,715	-31,291	-3,430	-2,410	9,819	-4,950	45,188
Total flow from Al Ain	-208,225	-102,701	7,184	-189,332	-263,892	-347,117	-240,398	-210,772	-200,321	-160,834	-12,778	163,384	-1,765,801
Al Dhafra -> Abu Dhabi	1,668,002	1,484,103	2,360,124	2,105,852	2,079,679	2,575,318	3,194,852	3,306,905	2,952,600	2,717,990	2,730,943	2,530,619	29,706,985
Al Dhafra -> Al Ain			23,797	167,196	181,774	236,492	301,634	310,400	276,959	220,688	258,327	237,460	2,214,727
Al Dhafra -> GCC	10,149	8,958	7,637	7,308	6,107	8,508	8,854	10,211	14,660	12,023	-2,474	14,110	106,052
Total flow from Al Dhafra	1,678,151	1,493,061	2,391,558	2,280,356	2,267,560	2,820,318	3,505,340	3,627,516	3,244,219	2,950,701	2,986,796	2,782,189	32,027,763
Takreer	12,465	723,771	1,092,367	1,556,644	1,804,433	1,862,902	1,885,407	1,902,286	1,804,693	1,639,577	1,276,343	719,297	16,280,185
EMAL	-12,253	3,177,352	4,829,207	5,444,245	6,117,965	7,055,314	7,524,318	7,690,281	7,081,666	6,424,718	5,705,169	4,860,764	65,898,749
Other Emirates -> Abu Dhabi	-271,290	-229,183	-425,705	-366,013	-380,237	-499,942	-554,161	-539,291	-469,678	-409,845	-361,127	-402,295	-4,908,766
Other Emirates -> Fujairah	-785,640	-842,710	-1,148,278	-1,459,866	-1,701,067	-1,876,895	-1,952,163	-1,964,535	-1,824,804	-1,646,551	-1,330,557	-907,600	-17,440,666
Other Emirates	-1,056,930	-1,071,893	-1,573,983	-1,825,879	-2,081,304	-2,376,837	-2,506,324	-2,503,826	-2,294,482	-2,056,396	-1,691,683	-1,309,895	-22,349,432

الأحمال القصوى الأسبوعية للشبكة (ميغاوات) 1999 - 2022

System Weekly Electricity Peak Demand (MW) 1999 - 2022

Week	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1	1,411	1,615	1,802	2,080	2,056	2,255	2,220	2,320	2,382	2,796	2,892	3,432	3,770	4,357	4,713	4,713	5,368	5,605	5,964	5,485	5,916	6,202	6,050	6,892
2	1,460	1,633	1,808	2,083	2,026	2,241	2,209	2,205	2,434	2,765	2,879	3,316	3,865	4,602	4,992	4,913	5,306	5,634	5,843	5,620	5,972	6,198	6,022	6,392
3	1,423	1,701	1,768	1,987	2,012	2,256	2,121	2,365	2,412	2,592	2,907	3,344	3,797	4,523	4,644	4,675	5,326	5,623	5,679	5,696	6,115	5,947	5,954	6,446
4	1,415	1,700	1,719	1,839	2,012	2,084	2,043	2,266	2,454	2,505	2,702	3,391	3,744	4,250	4,654	4,676	5,223	5,690	5,847	5,584	5,777	6,015	6,044	6,326
5	1,436	1,719	1,701	1,863	2,052	2,115	2,141	2,305	2,474	2,594	2,810	3,529	3,866	4,465	4,712	4,843	5,389	5,474	5,782	5,641	5,996	5,808	6,201	6,434
6	1,496	1,664	1,715	1,875	2,067	2,025	2,223	2,600	2,643	2,510	2,928	3,419	3,752	4,531	4,592	5,163	5,692	5,584	5,623	5,482	5,804	5,900	6,274	6,310
7	1,538	1,680	1,791	1,941	2,043	2,092	2,210	2,673	2,545	2,698	3,095	3,588	3,773	4,766	5,001	4,817	6,159	5,669	5,849	5,956	6,008	5,938	6,561	6,521
8	1,521	1,715	1,877	1,995	2,214	2,243	2,332	2,561	2,621	2,848	3,129	3,990	3,853	4,635	4,856	4,982	5,349	5,973	5,511	6,329	5,969	6,227	6,541	6,647
9	1,613	1,863	1,808	2,216	2,391	2,339	2,342	2,389	2,635	2,845	3,633	3,666	4,351	4,672	5,007	5,088	5,531	6,005	5,655	5,841	6,087	6,719	7,296	6,990
10	1,844	1,747	1,866	2,077	2,135	2,267	2,554	2,559	2,732	2,879	3,605	3,849	4,257	4,455	5,447	5,420	5,795	5,872	5,881	6,420	5,926	6,345	7,191	8,361
11	1,482	1,735	2,176	2,103	2,631	2,604	2,897	2,657	3,085	3,112	3,394	4,272	4,649	4,913	5,258	6,029	6,260	6,202	6,521	6,763	6,081	6,263	7,716	8,378
12	1,604	1,984	2,138	2,515	2,617	2,914	2,768	2,894	2,888	3,333	3,876	4,572	4,491	4,762	5,657	5,657	6,114	6,146	7,323	6,562	6,470	6,974	7,837	8,295
13	1,708	2,136	2,273	2,631	3,073	2,698	2,673	2,849	3,501	3,592	4,280	4,494	4,423	5,646	5,244	5,488	6,843	7,093	6,868	7,139	6,952	6,727	8,135	7,699
14	1,814	2,081	2,369	2,997	2,893	2,877	3,234	3,204	3,485	3,850	3,486	4,634	4,941	5,647	5,659	6,195	7,200	6,607	7,559	7,196	7,458	7,065	7,941	8,727
15	2,374	2,362	2,632	2,687	3,090	3,174	3,158	3,116	3,788	3,940	4,053	4,929	5,762	5,855	6,054	6,426	7,525	7,004	8,200	7,621	7,753	7,795	8,678	9,467
16	1,973	2,636	2,519	2,701	3,202	2,767	3,419	3,565	3,650	4,029	4,198	5,112	5,341	5,394	6,957	7,105	7,314	6,708	8,321	7,922	7,903	7,751	8,775	9,090
17	2,118	2,897	2,645	3,153	2,885	3,095	3,625	3,871	4,013	3,899	4,382	5,315	5,434	5,892	6,548	7,393	7,503	7,885	8,591	8,603	8,756	7,958	9,316	9,628
18	2,517	2,944	3,077	3,270	3,240	3,440	3,524	3,967	4,275	4,235	4,904	5,775	5,721	6,874	6,247	7,552	8,464	8,637	9,107	8,793	8,046	8,809	9,183	9,865
19	2,558	2,959	3,156	3,478	3,355	3,670	3,390	4,063	4,304	4,630	4,968	5,573	6,351	7,327	6,523	7,452	8,516	9,071	9,111	9,063	8,872	8,694	9,293	9,985
20	2,657	2,803	3,307	3,488	3,589	3,626	4,006	4,048	4,605	4,880	5,408	5,843	6,768	7,511	7,280	7,976	8,560	9,677	9,066	9,458	8,898	8,757	10,418	10,356
21	2,656	2,939	3,367	3,609	3,586	3,493	4,043	4,313	4,586	4,938	5,382	6,097	6,756	7,646	7,401	8,105	9,032	9,165	9,447	9,007	8,899	9,019	11,072	10,642
22	2,616	2,978	3,188	3,626	3,572	3,816	4,074	4,408	4,794	5,118	5,721	6,248	6,969	7,357	7,914	8,847	9,874	9,218	9,745	9,690	9,691	10,055	11,296	10,944
23	2,823	3,202	3,384	3,695	3,839	3,993	4,245	4,506	4,891	5,266	5,923	6,346	7,279	7,329	7,663	8,543	9,973	9,634	9,883	10,420	10,108	10,463	11,586	11,445
24	2,913	2,967	3,422	3,736	3,901	3,978	4,189	4,516	4,915	5,017	5,596	6,662	6,977	7,626	7,576	9,007	10,005	9,804	10,306	10,290	10,999	10,663	11,194	11,730
25	2,949	3,045	3,334	3,771	3,983	3,981	4,296	4,576	5,075	4,717	5,758	6,725	7,226	7,958	8,015	8,329	9,830	9,720	10,180	10,357	11,179	10,728	11,458	12,291
26	2,907	3,127	3,460	3,725	3,892	4,068	4,274	4,682	5,051	5,017	5,696	6,368	6,890	7,868	8,169	8,835	9,691	10,247	10,274	10,036	11,024	10,766	11,588	12,011

الأحمال القصوى الأسبوعية للشبكة (ميجاوات) 1999 - 2022 (تابع)

System Weekly Electricity Peak Demand (MW) 1999 - 2022 (continued)

Week	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
27	2,917	3,179	3,445	3,836	3,739	4,027	3,996	4,497	5,033	5,254	5,946	6,610	7,054	8,030	8,347	8,779	9,994	10,023	10,539	10,768	10,962	11,045	11,780	12,016
28	2,857	3,230	3,412	3,809	4,000	4,191	4,382	4,595	4,777	5,225	5,686	6,885	7,429	8,109	8,865	9,157	10,143	10,429	10,588	11,080	10,835	11,076	12,231	11,822
29	2,953	3,278	3,558	3,853	4,074	4,302	4,251	4,678	4,880	5,438	5,777	6,879	7,462	8,445	8,796	9,091	9,939	10,504	10,548	10,939	10,705	11,546	11,572	12,319
30	2,967	3,183	3,585	3,875	4,000	4,219	4,388	4,702	5,068	5,402	5,892	6,661	7,294	8,299	8,874	9,236	10,381	10,807	10,688	10,389	10,841	11,730	12,099	12,503
31	2,882	3,202	3,645	3,846	4,007	4,237	4,439	4,741	5,075	5,446	5,976	6,665	7,537	8,434	8,616	9,014	9,887	10,561	10,876	10,677	10,878	11,243	11,802	12,122
32	2,961	3,189	3,596	3,886	3,996	4,092	4,367	4,676	5,100	5,569	5,859	6,789	7,648	8,524	8,396	9,187	10,033	10,454	10,870	10,756	10,878	11,532	11,959	12,399
33	3,028	3,229	3,583	3,909	4,061	4,271	4,329	4,773	5,125	5,521	5,980	6,729	7,683	8,290	8,755	9,144	9,733	10,497	10,666	10,741	10,988	11,605	12,188	12,264
34	3,048	3,295	3,596	3,889	4,109	4,288	4,417	4,773	5,138	5,510	6,197	6,672	7,327	8,232	8,673	9,127	10,229	10,277	10,494	10,547	11,041	11,728	12,050	12,081
35	3,007	3,304	3,569	3,949	4,030	4,285	4,400	4,756	5,170	5,501	6,118	6,737	7,469	8,133	8,579	8,855	10,450	10,535	10,105	10,762	11,092	11,265	11,755	11,501
36	3,008	3,129	3,723	4,008	4,101	4,235	4,346	4,772	5,261	5,586	6,039	6,672	7,343	8,388	8,760	8,926	9,575	10,476	10,136	10,397	11,136	11,058	11,712	11,719
37	3,104	3,274	3,679	3,881	4,116	4,165	4,413	4,646	5,102	5,395	6,011	6,464	7,307	8,427	8,681	9,213	9,514	9,586	10,074	10,416	11,108	10,615	11,624	11,916
38	2,991	3,175	3,600	3,674	3,992	4,149	4,212	4,560	4,932	5,337	5,811	6,188	7,064	8,011	8,415	8,990	9,470	9,627	9,918	10,335	10,723	10,447	11,020	11,423
39	2,963	3,080	3,452	3,799	3,893	4,070	4,171	4,453	4,854	5,149	5,670	6,114	7,048	7,755	8,410	8,834	9,143	9,715	9,543	10,077	10,546	10,105	10,840	11,433
40	2,846	3,180	3,442	3,577	3,826	3,886	3,980	4,394	4,414	4,758	5,503	6,299	7,128	7,493	7,759	8,415	9,435	9,017	9,474	9,302	10,430	9,839	10,546	11,110
41	2,822	2,878	3,316	3,574	3,747	3,818	3,867	4,053	4,384	4,806	5,176	6,153	6,460	7,086	7,709	8,229	9,091	8,820	9,212	9,289	9,893	9,778	10,555	10,344
42	2,722	2,883	3,011	3,536	3,508	3,750	3,640	4,075	4,088	4,740	5,203	5,820	6,546	6,881	6,869	8,150	8,397	8,054	8,914	8,565	9,492	9,166	9,666	10,067
43	2,576	2,737	3,000	3,249	3,360	3,626	3,488	3,615	3,935	4,537	4,840	5,731	5,845	6,562	7,209	7,607	8,184	8,030	8,284	8,310	8,873	7,999	9,228	9,467
44	2,467	2,704	2,926	3,045	3,232	3,394	3,297	3,772	3,851	4,411	4,680	5,304	5,552	6,165	6,779	7,300	7,528	7,620	7,980	7,952	8,650	7,728	9,143	9,241
45	2,454	2,489	2,760	2,948	3,110	3,166	3,148	3,689	3,724	4,207	4,754	4,947	5,035	6,117	6,467	6,919	7,425	7,422	7,516	7,335	8,153	7,671	8,138	8,980
46	2,289	2,176	2,525	2,670	2,815	2,863	3,049	3,402	3,427	3,920	4,607	4,655	5,006	5,989	6,129	5,862	6,735	6,921	7,378	7,481	7,438	7,924	7,944	9,151
47	2,189	2,241	2,245	2,541	2,623	2,717	3,096	3,099	3,414	3,464	4,083	4,204	5,126	5,638	5,902	6,004	6,585	6,816	6,572	6,932	7,041	7,384	7,968	8,743
48	2,035	2,076	2,142	2,302	2,431	2,808	2,930	2,827	3,365	3,486	3,852	4,119	4,632	5,479	5,307	6,151	6,351	6,630	6,512	7,053	6,500	6,945	7,717	8,523
49	1,958	1,903	2,163	2,171	2,443	2,731	2,777	2,586	3,107	3,397	3,578	4,020	4,525	5,094	5,475	5,651	6,329	6,868	6,236	6,543	6,405	6,922	7,073	8,300
50	1,876	1,865	2,232	2,408	2,460	2,476	2,686	2,569	3,174	2,962	3,792	3,987	4,339	5,192	5,341	5,611	5,914	5,997	5,929	6,389	6,640	6,963	6,969	7,470
51	1,753	1,708	2,192	2,438	2,255	2,558	2,626	2,507	2,979	3,033	3,450	3,925	4,247	4,887	5,211	5,431	5,935	5,957	5,744	6,138	6,562	6,392	7,047	7,523
52	1,658	1,731	2,191	2,179	2,280	2,328	2,584	2,426	2,884	2,937	3,499	3,871	4,089	4,989	4,925	5,230	5,764	6,115	5,772	5,771	6,043	6,217	6,806	7,390

الأحمال القصوى الأسبوعية للشبكة (نسبة مئوية من الذروة) 1999 - 2022

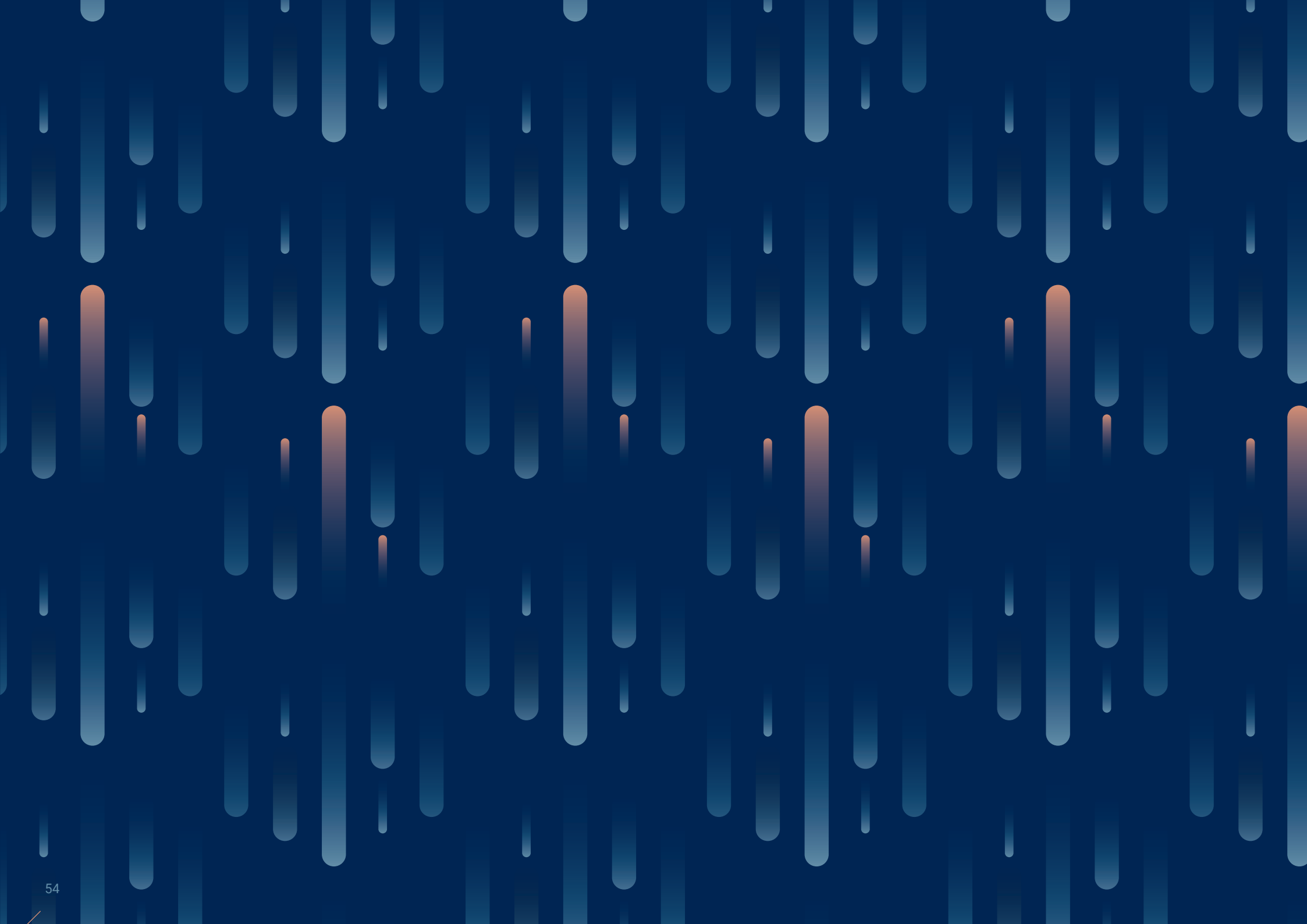
System Weekly Electricity Peak (Percentage of Annual Peak) 1999 - 2022

Week	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1	45.5%	48.9%	48.4%	51.9%	50.0%	52.4%	50.0%	48.6%	45.3%	50.1%	46.7%	50.0%	49.1%	51.1%	53.1%	51.0%	51.4%	51.9%	54.8%	49.5%	52.9%	52.9%	49.5%	55.1%
2	47.0%	49.4%	48.6%	52.0%	49.2%	52.1%	49.8%	46.2%	46.3%	49.5%	46.5%	49.7%	50.3%	54.0%	56.3%	53.2%	50.8%	52.1%	53.7%	50.7%	53.4%	52.8%	49.2%	51.1%
3	45.8%	51.5%	47.5%	49.6%	48.9%	52.4%	47.8%	49.5%	45.8%	46.4%	46.9%	51.2%	49.4%	53.1%	52.3%	50.6%	51.0%	52.0%	52.2%	51.4%	54.7%	50.7%	48.7%	51.6%
4	45.6%	51.5%	46.2%	45.9%	48.9%	48.4%	46.0%	47.5%	46.6%	44.8%	43.6%	50.3%	48.7%	49.9%	52.4%	50.6%	50.0%	52.7%	53.8%	50.4%	51.7%	51.3%	49.4%	50.6%
5	46.3%	52.0%	45.7%	46.5%	49.9%	49.2%	48.2%	48.3%	47.0%	46.4%	45.3%	51.8%	50.3%	52.4%	53.1%	52.4%	51.6%	50.7%	53.2%	50.9%	53.6%	49.5%	50.7%	51.5%
6	48.2%	50.4%	46.1%	46.8%	50.2%	47.1%	50.1%	54.5%	50.2%	44.9%	47.2%	50.8%	48.8%	53.2%	51.7%	55.9%	54.5%	51.7%	51.7%	49.5%	51.9%	50.3%	51.3%	50.5%
7	49.5%	50.8%	48.1%	48.4%	49.6%	48.6%	49.8%	56.0%	48.4%	48.3%	49.9%	52.8%	49.1%	55.9%	56.4%	52.2%	58.9%	52.5%	53.8%	53.8%	53.7%	50.6%	53.6%	52.2%
8	49.0%	51.9%	50.4%	49.8%	53.8%	52.1%	52.5%	53.7%	49.8%	51.0%	50.5%	58.3%	50.1%	54.4%	54.7%	53.9%	51.2%	55.3%	50.7%	57.1%	53.4%	53.1%	53.5%	53.2%
9	52.0%	56.4%	48.6%	55.3%	58.1%	54.4%	52.8%	50.1%	50.1%	50.9%	58.6%	53.8%	56.6%	54.8%	56.4%	55.1%	52.9%	55.6%	52.0%	52.7%	54.5%	57.3%	59.7%	55.9%
10	59.4%	52.9%	50.1%	51.8%	51.9%	52.7%	57.5%	53.6%	51.9%	51.5%	58.2%	56.2%	55.4%	52.3%	61.4%	58.7%	55.5%	54.3%	54.1%	57.9%	53.0%	54.1%	58.8%	66.9%
11	47.7%	52.5%	58.4%	52.5%	63.9%	60.5%	65.3%	55.7%	58.6%	55.7%	54.8%	62.7%	60.5%	57.6%	59.3%	65.3%	59.9%	57.4%	60.0%	61.0%	54.4%	53.4%	63.1%	67.0%
12	51.7%	60.0%	57.4%	62.7%	63.6%	67.7%	62.4%	60.6%	54.9%	59.7%	62.5%	66.7%	58.5%	55.9%	63.7%	61.2%	58.5%	56.9%	67.3%	59.2%	57.9%	59.5%	64.1%	66.3%
13	55.0%	64.6%	61.1%	65.6%	74.7%	62.7%	60.2%	59.7%	66.5%	64.3%	69.1%	65.7%	57.6%	66.2%	59.1%	59.4%	65.5%	65.6%	63.1%	64.4%	62.2%	57.3%	66.5%	61.6%
14	58.4%	63.0%	63.6%	74.8%	70.3%	66.9%	72.9%	67.1%	66.2%	68.9%	56.3%	68.3%	64.3%	66.2%	63.8%	67.1%	68.9%	61.1%	69.5%	64.9%	66.7%	60.2%	64.9%	69.8%
15	76.5%	71.5%	70.7%	67.0%	75.1%	73.8%	71.1%	65.3%	72.0%	70.5%	65.4%	72.0%	75.0%	68.7%	68.2%	69.6%	72.0%	64.8%	75.4%	68.8%	69.4%	66.5%	71.0%	75.7%
16	63.6%	79.8%	67.7%	67.4%	77.8%	64.3%	77.0%	74.7%	69.4%	72.1%	67.7%	74.5%	69.5%	63.3%	78.4%	76.9%	70.0%	62.1%	76.5%	71.5%	70.7%	66.1%	71.7%	72.7%
17	68.2%	87.7%	71.0%	78.7%	70.1%	71.9%	81.7%	81.1%	76.3%	69.8%	70.7%	77.3%	70.7%	69.1%	73.8%	80.0%	71.8%	73.0%	79.0%	77.6%	78.3%	67.8%	76.2%	77.0%
18	81.1%	89.1%	82.6%	81.6%	78.7%	80.0%	79.4%	83.1%	81.3%	75.8%	79.1%	84.5%	74.5%	80.6%	70.4%	81.8%	81.0%	79.9%	83.7%	79.4%	72.0%	75.1%	75.1%	78.9%
19	82.4%	89.6%	84.8%	86.8%	81.5%	85.3%	76.4%	85.1%	81.8%	82.9%	80.2%	81.0%	82.7%	86.0%	73.5%	80.7%	81.5%	83.9%	83.8%	81.8%	79.4%	74.1%	76.0%	79.9%
20	85.6%	84.8%	88.8%	87.0%	87.2%	84.3%	90.2%	84.8%	87.5%	87.4%	87.3%	86.2%	88.1%	88.1%	82.0%	86.4%	81.9%	89.5%	83.4%	85.4%	79.6%	74.7%	85.2%	82.8%
21	85.6%	89.0%	90.4%	90.0%	87.1%	81.2%	91.1%	90.4%	87.2%	88.4%	86.8%	89.4%	87.9%	89.7%	83.4%	87.8%	86.4%	84.8%	86.9%	81.3%	79.6%	76.9%	90.5%	85.1%
22	84.3%	90.1%	85.6%	90.5%	86.8%	88.7%	91.8%	92.4%	91.1%	91.6%	92.3%	92.2%	90.7%	86.3%	89.2%	95.8%	94.5%	85.3%	89.6%	87.5%	86.7%	85.7%	92.4%	87.5%
23	90.9%	96.9%	90.9%	92.2%	93.3%	92.8%	95.6%	94.4%	93.0%	94.3%	95.6%	92.5%	94.7%	86.0%	86.4%	92.5%	95.4%	89.1%	90.9%	94.0%	90.4%	89.2%	94.7%	91.5%
24	93.8%	89.8%	91.9%	93.2%	94.8%	92.5%	94.4%	94.6%	93.4%	89.8%	90.3%	96.8%	90.8%	89.5%	85.4%	97.5%	95.7%	90.7%	94.8%	92.9%	98.4%	90.9%	91.5%	93.8%
25	95.0%	92.2%	89.6%	94.1%	96.8%	92.5%	96.8%	95.9%	96.5%	84.4%	92.9%	97.7%	94.1%	93.4%	90.3%	90.2%	94.1%	89.9%	93.6%	93.5%	100.0%	91.5%	93.7%	98.3%
26	93.7%	94.6%	92.9%	92.9%	94.6%	94.6%	96.3%	98.1%	96.0%	89.8%	91.9%	92.5%	89.7%	92.3%	92.1%	95.7%	92.7%	94.8%	94.5%	90.6%	98.6%	91.8%	94.7%	96.1%

الأحمال القصوى الأسبوعية للشبكة (نسبة مئوية من الذروة) 1999 - 2022 (تابع)

System Weekly Electricity Peak
(Percentage of Annual Peak) 1999 - 2022 (continued)

Week	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
27	94.0%	96.2%	92.5%	95.7%	90.8%	93.6%	90.0%	94.2%	95.7%	94.1%	95.9%	96.0%	91.8%	94.2%	94.1%	95.1%	95.6%	92.7%	96.9%	97.2%	98.1%	94.2%	96.3%	96.1%
28	92.0%	97.8%	91.6%	95.0%	97.2%	97.4%	98.7%	96.3%	90.8%	93.5%	91.8%	100.0%	96.7%	95.1%	99.9%	99.1%	97.1%	96.5%	97.4%	100.0%	96.9%	94.4%	100.0%	94.6%
29	95.1%	99.2%	95.6%	96.1%	99.0%	100.0%	95.8%	98.0%	92.8%	97.4%	93.2%	99.9%	97.1%	99.1%	99.1%	98.4%	95.1%	97.2%	97.0%	98.7%	95.8%	98.4%	94.6%	98.5%
30	95.6%	96.3%	96.3%	96.7%	97.2%	98.1%	98.9%	98.5%	96.3%	96.7%	95.1%	96.7%	94.9%	97.4%	100.0%	100.0%	99.3%	100.0%	98.3%	93.8%	97.0%	100.0%	98.9%	100.0%
31	92.8%	96.9%	97.9%	96.0%	97.4%	98.5%	100.0%	99.3%	96.5%	97.5%	96.4%	96.8%	98.1%	98.9%	97.1%	97.6%	94.6%	97.7%	100.0%	96.4%	97.3%	95.8%	96.5%	97.0%
32	95.4%	96.5%	96.6%	97.0%	97.1%	95.1%	98.4%	98.0%	96.9%	99.7%	94.5%	98.6%	99.5%	100.0%	94.6%	99.5%	96.0%	96.7%	99.9%	97.1%	97.3%	98.3%	97.8%	99.2%
33	97.6%	97.7%	96.2%	97.5%	98.7%	99.3%	97.5%	100.0%	97.4%	98.8%	96.5%	97.7%	100.0%	97.3%	98.7%	99.0%	93.1%	97.1%	98.1%	96.9%	98.3%	98.9%	99.6%	98.1%
34	98.2%	99.7%	96.6%	97.0%	99.8%	99.7%	99.5%	100.0%	97.7%	98.6%	100.0%	96.9%	95.4%	96.6%	97.7%	98.8%	97.9%	95.1%	96.5%	95.2%	98.8%	100.0%	98.5%	96.6%
35	96.9%	100.0%	95.9%	98.5%	97.9%	99.6%	99.1%	99.6%	98.3%	98.5%	98.7%	97.9%	97.2%	95.4%	96.7%	95.9%	100.0%	97.5%	92.9%	97.1%	99.2%	96.0%	96.1%	92.0%
36	96.9%	94.7%	100.0%	100.0%	99.6%	98.4%	97.9%	100.0%	100.0%	100.0%	97.5%	96.9%	95.6%	98.4%	98.7%	96.6%	91.6%	96.9%	93.2%	93.8%	99.6%	94.3%	95.8%	93.7%
37	100.0%	99.1%	98.8%	96.8%	100.0%	96.8%	99.4%	97.3%	97.0%	96.9%	97.0%	93.9%	95.1%	98.9%	97.8%	99.8%	91.0%	88.7%	92.6%	94.0%	99.4%	90.5%	95.0%	95.3%
38	96.4%	96.1%	96.7%	91.7%	97.0%	96.4%	94.9%	95.5%	93.7%	95.8%	93.8%	89.9%	91.9%	94.0%	94.8%	97.3%	90.6%	89.1%	91.2%	93.3%	95.9%	89.1%	90.1%	91.4%
39	95.5%	93.2%	92.7%	94.8%	94.6%	94.6%	94.0%	93.3%	92.3%	92.5%	91.5%	88.8%	91.7%	91.0%	94.8%	95.6%	87.5%	89.9%	87.7%	90.9%	94.3%	86.1%	88.6%	91.4%
40	91.7%	96.2%	92.5%	89.2%	93.0%	90.3%	89.7%	92.1%	83.9%	85.4%	88.8%	91.5%	92.8%	87.9%	87.4%	91.1%	90.3%	83.4%	87.1%	84.0%	93.3%	83.9%	86.2%	88.9%
41	90.9%	87.1%	89.1%	89.2%	91.0%	88.7%	87.1%	84.9%	83.3%	86.0%	83.5%	89.4%	84.1%	83.1%	86.9%	89.1%	87.0%	81.6%	84.7%	83.8%	88.5%	83.4%	86.3%	82.7%
42	87.7%	87.3%	80.9%	88.2%	85.2%	87.2%	82.0%	85.4%	77.7%	84.9%	84.0%	84.5%	85.2%	80.7%	77.4%	88.2%	80.4%	74.5%	82.0%	77.3%	84.9%	78.1%	79.0%	80.5%
43	83.0%	82.8%	80.6%	81.1%	81.6%	84.3%	78.6%	75.7%	74.8%	81.2%	78.1%	83.2%	76.1%	77.0%	81.2%	82.4%	78.3%	74.3%	76.2%	75.0%	79.4%	68.2%	75.4%	75.7%
44	79.5%	81.8%	78.6%	76.0%	78.5%	78.9%	74.3%	79.0%	73.2%	79.0%	75.5%	77.0%	72.3%	72.3%	76.4%	79.0%	72.0%	70.5%	73.4%	71.8%	77.4%	65.9%	74.8%	73.9%
45	79.1%	75.3%	74.1%	73.6%	75.6%	73.6%	70.9%	77.3%	70.8%	75.3%	76.7%	71.9%	65.5%	71.8%	72.9%	74.9%	71.1%	68.7%	69.1%	66.2%	72.9%	65.4%	66.5%	71.8%
46	73.7%	65.9%	67.8%	66.6%	68.4%	66.6%	68.7%	71.3%	65.1%	70.2%	74.3%	67.6%	65.2%	70.3%	69.1%	63.5%	64.4%	64.0%	67.8%	67.5%	66.5%	67.6%	64.9%	73.2%
47	70.5%	67.8%	60.3%	63.4%	63.7%	63.2%	69.7%	64.9%	64.9%	62.0%	65.9%	61.1%	66.7%	66.1%	66.5%	65.0%	63.0%	63.1%	60.4%	62.6%	63.0%	62.9%	65.1%	69.9%
48	65.6%	62.8%	57.5%	57.4%	59.1%	65.3%	66.0%	59.2%	64.0%	62.4%	62.2%	59.8%	60.3%	64.3%	59.8%	66.6%	60.8%	61.3%	59.9%	63.7%	58.1%	59.2%	63.1%	68.2%
49	63.1%	57.6%	58.1%	54.2%	59.4%	63.5%	62.6%	54.2%	59.1%	60.8%	57.7%	58.4%	58.9%	59.8%	61.7%	61.2%	60.6%	63.6%	57.3%	59.1%	57.3%	59.0%	57.8%	66.4%
50	60.4%	56.4%	60.0%	60.1%	59.8%	57.6%	60.5%	53.8%	60.3%	53.0%	61.2%	57.9%	56.5%	60.9%	60.2%	60.8%	56.6%	55.5%	54.5%	57.7%	59.4%	59.4%	57.0%	59.7%
51	56.5%	51.7%	58.9%	60.8%	54.8%	59.5%	59.2%	52.5%	56.6%	54.3%	55.7%	57.0%	55.3%	57.3%	58.7%	58.8%	56.8%	55.1%	52.8%	55.4%	58.7%	54.5%	57.6%	60.2%
52	53.4%	52.4%	58.9%	54.4%	55.4%	54.1%	58.2%	50.8%	54.8%	52.6%	56.5%	56.2%	53.2%	58.5%	55.5%	56.6%	55.2%	56.6%	53.1%	52.1%	54.1%	53.0%	55.6%	59.1%



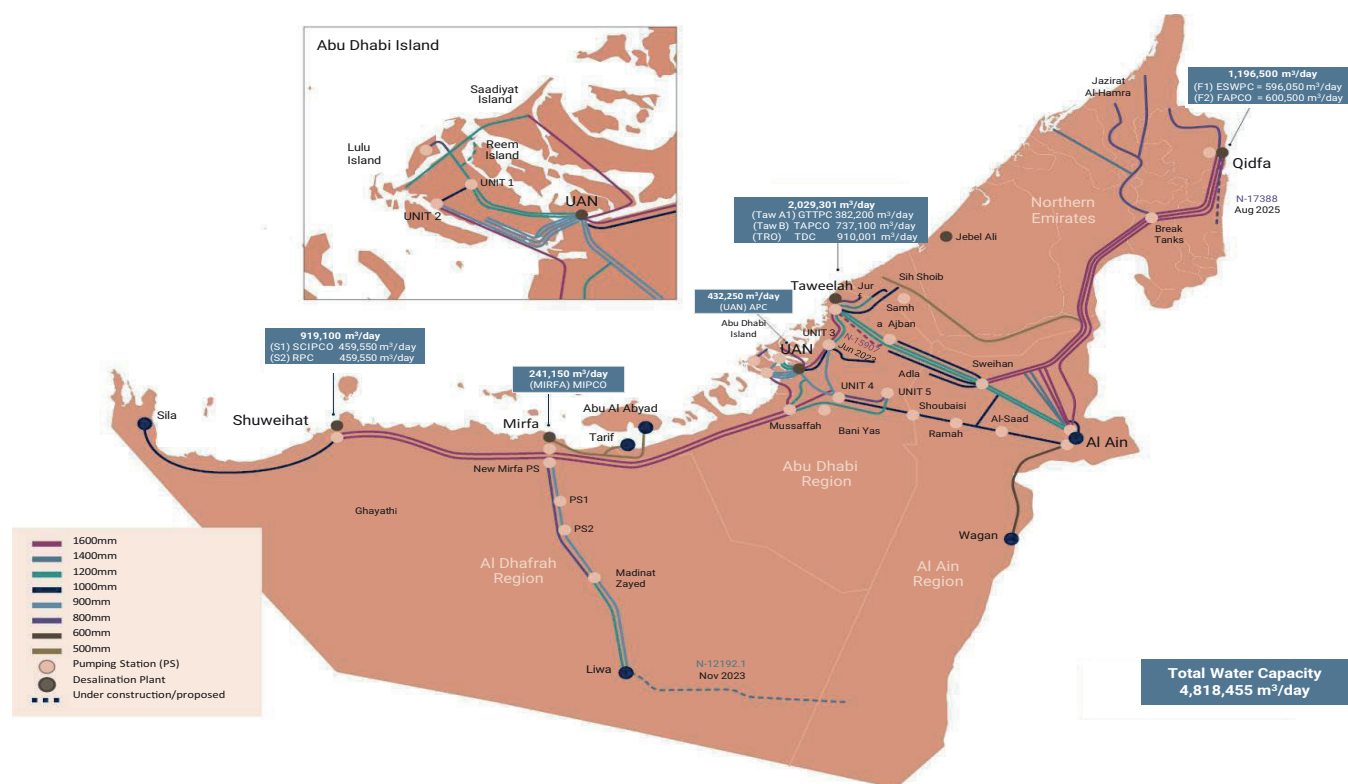
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شبكة المياه حتى صيف 2023

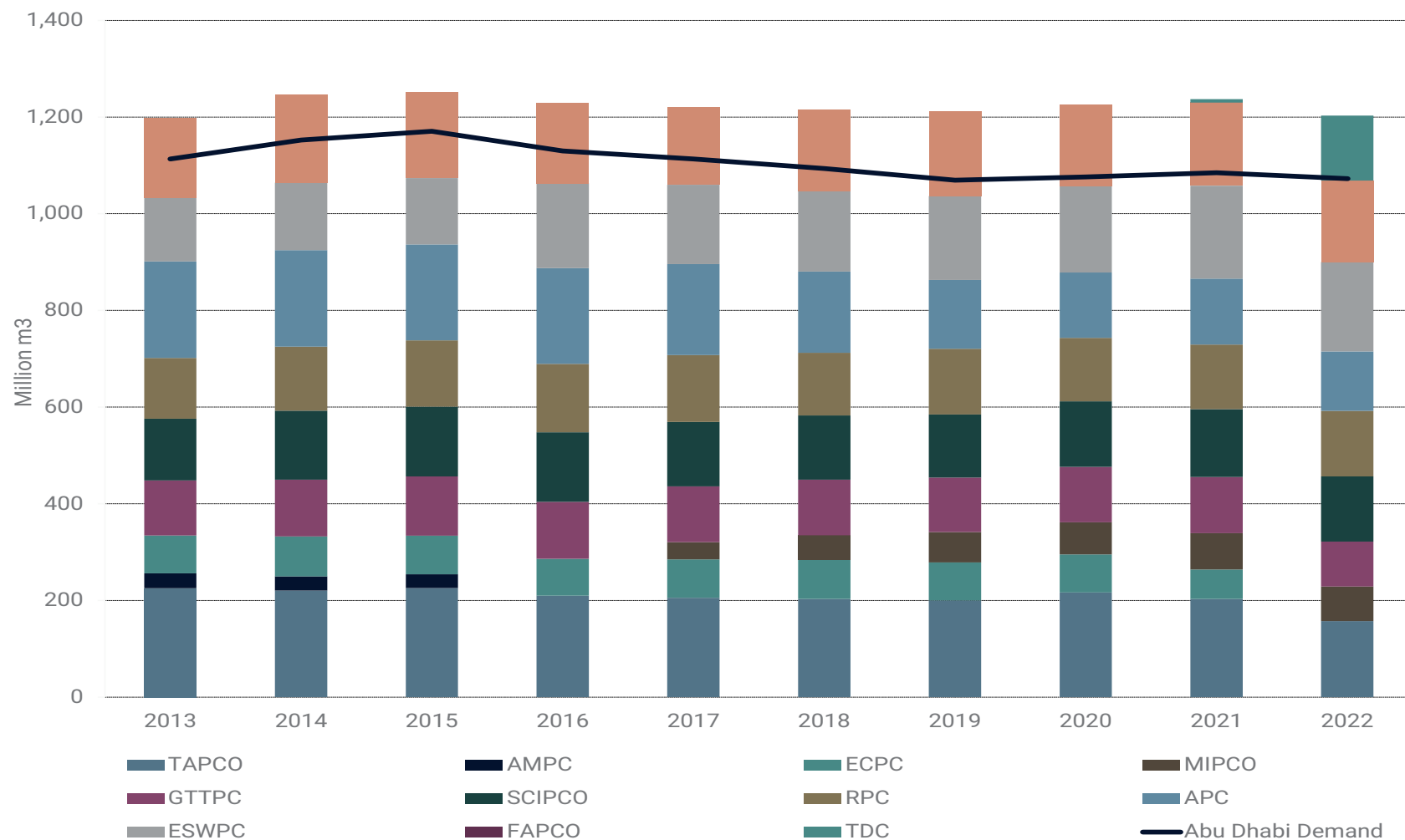
Water System Network (Summer 2023)



مواقع إنتاج المياه وسعة كل منها، قياسا بشبكة نقل المياه

Water Production Sites & Capacities with Water Transmission Network (NTS)

الإنتاج السنوي للمياه حسب الشركة (مليون متر مكعب) Water Annual Production by Company (million m3)



الإنتاج السنوي حسب المحطات (مليون متر مكعب) 2013 - 2022

Annual Water Production by Station (million m3) 2013-2022

Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Taweelah B	97.12	99.48	99.44	82.05	87.28	86.05	84.13	91.37	84.63	57.56
Taweelah B2 Extension	28.83	30.63	28.88	29.38	28.59	29.31	30.16	30.02	30.19	19.92
Taweelah New Extension	99.04	90.46	97.29	98.23	89.32	87.53	85.47	95.22	88.28	79.54
TAPCO Total	224.99	220.58	225.60	209.66	205.18	202.89	199.77	216.61	203.10	157.01
Al Mirfa	30.78	29.23	28.22							
AMPC Total	30.78	29.23	28.22							
New Mirfa					35.38	50.23	62.93	66.07	75.09	71.57
MIPCO Total					35.38	50.23	62.93	66.07	75.09	71.57
Taweelah A2	78.48	82.65	79.92	76.19	79.83	81.54	78.71	78.68	60.84	
ECPC Total	78.48	82.65	79.92	76.19	79.83	81.54	78.71	78.68	60.84	
Taweelah A1	113.72	117.42	122.71	118.18	115.44	115.21	112.75	114.98	116.27	92.87
GTTPC Total	113.72	117.42	122.71	118.18	115.44	115.21	112.75	114.98	116.27	92.87
Taweelah RO									7.17	134.27
TDC Total									7.17	134.27
Shuweihat S1	127.95	142.74	144.35	143.72	133.49	132.51	130.26	135.66	140.48	135.11
SCIPCO Total	127.95	142.74	144.35	143.72	133.49	132.51	130.26	135.66	140.48	135.11
Shuweihat S2	125.52	132.33	137.23	141.57	138.23	129.94	136.11	130.99	133.54	135.56
RPC Total	125.52	132.33	137.23	141.57	138.23	129.94	136.11	130.99	133.54	135.56
Umm Al Nar East	28.43	25.47	25.72	25.66	19.29	11.83	3.47			
Umm Al Nar West	34.64	38.45	35.40	30.73	28.68	17.55	3.61			
Sas Al Nakhl	136.61	135.85	137.32	141.81	140.14	138.57	135.35	135.49	136.49	122.91
APC Total	199.67	199.78	198.45	198.20	188.11	167.95	142.42	135.49	136.49	122.91
EWEC SYSTEM Total	901.12	924.74	883.44	873.71	908.72	882.30	890.53	878.47	872.98	849.30
Fujairah IWPP(s) Exports to Abu Dhabi	212.12	227.62	234.07	242.26	217.56	213.10	206.39	197.63	211.77	223.24
Abu Dhabi Demand	1,113.24	1,152.35	1,117.51	1,115.97	1,113.22	1,093.37	1,069.34	1,076.11	1,084.75	1,072.55
ESWPC	131.33	139.58	137.25	175.35	164.23	166.23	173.73	179.54	192.15	185.24
FAPCO	165.12	182.21	176.96	166.72	159.53	168.84	175.69	168.11	171.92	168.44
Global Production	1,197.57	1,246.52	1,197.65	1,215.78	1,219.42	1,215.34	1,239.96	1,226.11	1,237.05	1,202.98

الإنتاج السنوي حسب المحطات (مليون متر مكعب) 2013 - 2022 (تابع)

Annual Water Generation by Technology (million m3) 2013-2022

(Million m3)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Thermal Desalination	1,198	1,247	1,255	1,230	1,224	1,043	1,034	1,038	1,033	873
RO	60	75	97	132	164	172	179	188	204	330
Total	1,258	1,322	1,352	1,361	1,388	1,215	1,212	1,226	1,237	1,203

الإنتاج السنوي حسب المحطات (مليون متر مكعب) 2013 - 2022 (تابع)

Annual Water Generation by Percentage (million m3) 2013-2022

(%)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Thermal Desalination	95%	94%	93%	90%	88%	86%	85%	85%	83%	73%
RO	5%	6%	7%	10%	12%	14%	15%	15%	17%	27%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

الإنتاج السنوي للمياه حسب المناطق (مليون متر مكعب)

Annual Water Production by Region (million m3)

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Abu Dhabi	617	620	627	602	589	568	534	546	524	507
Al Dhafra	284	304	310	285	307	313	329	333	349	342
Fujairah IWPP(s) Exports to Abu Dhabi	212	228	234	242	218	213	206	198	212	223
Abu Dhabi Production + Imports	1,113	1,152	1,171	1,130	1,113	1,093	1,069	1,076	1,085	1,073
Exports to Al Ain	296	309	314	295	292	290	286	290	290	273
Fujairah IWPP(s) Production	296	322	318	342	324	335	349	348	364	354
Global Production	1,198	1,247	1,251	1,230	1,219	1,215	1,212	1,226	1,237	1,203

معدل الإنتاج اليومي للمياه سنويا حسب المناطق (مليون جالون/يوم)

Annual Average Daily Water Production by Region (million m3/day)

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Abu Dhabi	1.69	1.70	1.72	1.65	1.61	1.56	1.46	1.49	1.44	1.39
Al Dhafra	0.78	0.83	0.85	0.78	0.84	0.86	0.90	0.91	0.96	0.94
Fujairah IWPP(s) Exports to Abu Dhabi	0.58	0.62	0.64	0.66	0.60	0.58	0.57	0.54	0.58	0.61
Abu Dhabi Production + Imports	3.05	3.16	3.21	3.09	3.05	3.00	2.93	2.94	2.97	2.94
Exports to Al Ain	0.81	0.85	0.86	0.81	0.80	0.79	0.78	0.79	0.80	0.75
Fujairah IWPP(s) Production	0.81	0.88	0.87	0.93	0.89	0.92	0.96	0.95	1.00	0.97
Global Production	3.28	3.42	3.44	3.36	3.34	3.33	3.32	3.35	3.39	3.30

الإنتاج الشهري للمياه حسب المناطق (مليون متر مكعب) 2019 - 2017

Monthly Water Production by Region (million m3) 2017 - 2019

2017													
Region	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	45.28	38.81	48.49	48.22	53.11	51.83	56.11	53.40	50.86	50.33	47.17	44.95	588.56
Al Dhafra	23.34	20.96	22.42	24.82	25.63	27.31	26.11	29.33	27.31	28.72	26.24	24.90	307.10
Fujairah IWPP(s) Exports to Abu Dhabi	17.05	16.53	13.49	16.94	20.16	19.15	21.22	21.06	19.97	19.70	16.81	15.50	217.56
Abu Dhabi Production + Imports	85.67	76.30	84.40	89.99	98.90	98.29	103.44	103.79	98.14	98.75	90.22	85.34	1,113.22
Exports to Al Ain	21.55	19.13	21.55	24.41	27.02	26.66	27.94	27.79	26.08	25.61	22.81	21.21	291.75
Fujairah IWPP(s) Production	24.95	23.75	21.34	25.31	29.91	29.12	32.22	31.31	29.77	29.62	26.20	20.27	323.76
Global Production	93.57	83.51	92.25	98.36	108.65	108.26	114.43	114.04	107.94	108.67	99.61	90.11	1,219.42
2018													
Region	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	45.18	40.02	45.92	47.22	51.55	47.78	50.65	49.44	49.27	49.88	46.12	44.55	567.59
Al Dhafra	24.72	23.77	25.97	25.51	25.63	26.57	28.56	28.02	27.13	26.49	25.29	25.04	312.68
Fujairah IWPP(s) Exports to Abu Dhabi	11.92	12.85	15.09	16.11	19.66	20.97	21.95	21.38	20.43	20.24	16.38	16.13	213.10
Abu Dhabi Production + Imports	81.81	76.64	86.97	88.83	96.84	95.32	101.15	98.84	96.84	96.61	87.80	85.72	1,093.37
Exports to Al Ain	20.07	19.63	22.68	24.10	26.23	26.00	26.98	27.17	26.24	25.84	22.87	22.24	290.06
Fujairah IWPP(s) Production	19.94	21.85	24.75	26.03	29.78	31.04	32.72	32.40	31.90	31.28	26.71	26.67	335.07
Global Production	89.83	85.64	96.63	98.76	106.95	105.39	111.92	109.86	108.31	107.66	98.13	96.26	1,215.34
2019													
Region	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	42.80	40.40	40.21	41.88	42.66	46.53	50.06	49.93	47.15	47.12	42.83	42.08	533.65
Al Dhafra	26.38	22.83	26.82	25.78	28.51	27.93	29.33	28.88	28.80	29.43	27.63	26.98	329.30
Fujairah IWPP(s) Exports to Abu Dhabi	13.77	12.06	16.89	18.10	19.69	19.00	19.74	18.45	19.08	19.31	15.59	14.70	206.39
Abu Dhabi Production + Imports	82.96	75.29	83.92	85.76	90.85	93.45	99.13	97.26	95.03	95.86	86.05	83.77	1,069.34
Exports to Al Ain	21.41	19.75	21.92	22.90	24.74	25.73	26.94	26.45	25.44	25.77	22.83	22.00	285.88
Fujairah IWPP(s) Production	24.44	21.08	27.21	28.94	32.88	31.67	32.72	32.00	31.81	32.31	27.76	26.60	349.42
Global Production	93.62	84.32	94.25	96.60	104.04	106.12	112.11	110.82	107.76	108.86	98.23	95.67	1,212.38

الإنتاج الشهري للمياه حسب المناطق (مليون متر مكعب) 2022 - 2020

Monthly Water Production by Region (million m3) 2020 - 2022

2020													
Region	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	39.34	41.84	44.92	42.92	48.37	48.09	50.47	49.83	47.59	46.46	43.46	42.47	545.75
Al Dhafra	26.49	24.55	26.78	26.60	28.68	29.09	29.19	29.72	28.60	28.90	27.69	26.42	332.72
Fujairah IWPP(s) Exports to Abu Dhabi	12.68	10.47	12.43	16.10	16.67	19.44	20.10	19.55	19.04	19.81	14.47	16.87	197.63
Abu Dhabi Production + Imports	78.51	76.86	84.12	85.62	93.72	96.61	99.76	99.10	95.23	95.17	85.63	85.76	1076.11
Exports to Al Ain	20.02	20.12	22.39	23.28	25.96	26.31	27.30	27.09	26.19	25.86	22.32	23.28	290.12
Fujairah IWPP(s) Production	23.85	21.15	24.38	28.37	30.12	32.53	34.54	33.60	32.03	32.46	25.49	29.13	347.64
Global Production	89.69	87.54	96.07	97.90	107.16	109.70	114.20	113.15	108.22	107.82	96.64	98.02	1,226.11
2021													
Region	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	40.52	36.78	42.25	43.00	46.51	46.69	48.42	48.72	47.44	42.82	39.65	41.07	523.86
Al Dhafra	27.74	25.02	29.72	29.07	30.42	29.91	30.58	30.79	30.10	30.99	27.96	26.80	349.11
Fujairah IWPP(s) Exports to Abu Dhabi	14.36	13.49	13.49	16.53	17.46	19.51	20.13	19.66	19.48	21.01	19.27	17.38	211.77
Abu Dhabi Production + Imports	82.62	75.30	85.46	88.60	94.39	96.11	99.14	99.17	97.01	94.83	86.88	85.25	1084.75
Exports to Al Ain	21.97	20.17	22.32	24.11	25.99	26.89	26.78	27.23	25.99	25.25	22.17	21.43	290.31
Fujairah IWPP(s) Production	25.50	24.98	24.91	29.46	31.33	32.69	34.45	33.56	32.94	34.51	31.63	28.12	364.07
Global Production	93.75	86.79	96.88	101.53	108.26	109.29	113.45	113.07	110.48	108.32	99.24	95.99	1,237.05
2022													
Region	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abu Dhabi	35.68	34.71	38.64	38.19	43.40	45.12	44.39	44.48	44.28	46.26	45.02	46.89	507.06
Al Dhafra	26.78	25.01	28.94	30.22	29.59	29.68	30.35	31.11	29.77	29.88	26.43	24.48	342.24
Fujairah IWPP(s) Exports to Abu Dhabi	16.57	16.10	18.56	19.28	19.28	18.59	19.35	21.36	20.83	19.83	18.46	15.02	223.24
Abu Dhabi Production + Imports	79.02	75.82	86.14	87.69	92.27	93.40	94.10	96.94	94.88	95.97	89.92	86.40	1072.55
Exports to Al Ain	19.28	19.07	22.07	22.78	23.60	24.21	23.78	24.31	23.67	24.54	23.36	22.32	272.97
Fujairah IWPP(s) Production	26.09	25.76	29.79	31.92	32.94	31.28	31.91	31.82	30.88	29.59	27.48	24.21	353.68
Global Production	88.54	85.47	97.37	100.33	105.94	106.09	106.66	107.40	104.93	105.73	98.94	95.58	1,202.98

كميات المياه المصدرة سنويا حسب الشركات (مليون متر مكعب) 2022 - 2013

Annual Water Supply by Company (million m3) 2013 - 2022

Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
TAPCO	222.18	220.58	225.60	206.68	201.24	199.65	196.31	212.37	198.38	152.88
MIPCO					35.25	48.80	61.77	64.89	211.77	70.46
AMPC	29.56	29.23	28.22						73.72	
ECPC	77.82	82.65	79.92	79.83	76.19	81.00	78.10	78.06	60.21	
GTTPC	113.48	117.42	122.71	115.44	118.18	116.05	111.17	113.22	114.56	91.64
TDC									6.70	10.81
SCIPCO	125.99	142.74	144.35	133.49	143.72	131.91	129.18	133.47	138.17	130.81
RPC	122.74	132.33	137.23	138.23	141.57	127.48	132.11	127.10	130.67	132.35
APC	195.83	199.78	198.45	188.11	198.20	164.83	140.31	133.51	134.32	121.93
EWEC System Total	887.61	924.74	936.47	864.76	883.04	869.72	848.95	862.61	1,068.49	831.45
Fujairah IWPP(s) Exports to Abu Dhabi	212.12	227.76	234.07	242.26	217.56	213.10	206.39	197.63	211.77	223.24
Abu Dhabi Supply + Imports	1,099.72	1,152.49	1,170.54	1,115.87	1,102.28	1,082.82	1,055.34	1,060.25	1,280.26	1,054.69
Export to Al Ain	296.31	309.21	313.72	295.21	291.75	290.06	285.88	290.12	290.31	272.97
ESWPC	130.18	139.58	137.25	175.35	164.23	164.56	170.16	177.17	190.29	183.59
FAPCO	163.44	182.21	176.96	166.72	159.53	166.66	173.12	165.97	169.36	166.23
Global Supply	1,181.23	1,226.63	1,228.93	1,207.05	1,208.66	1,200.95	1,192.23	1,205.76	1,216.37	1,181.27

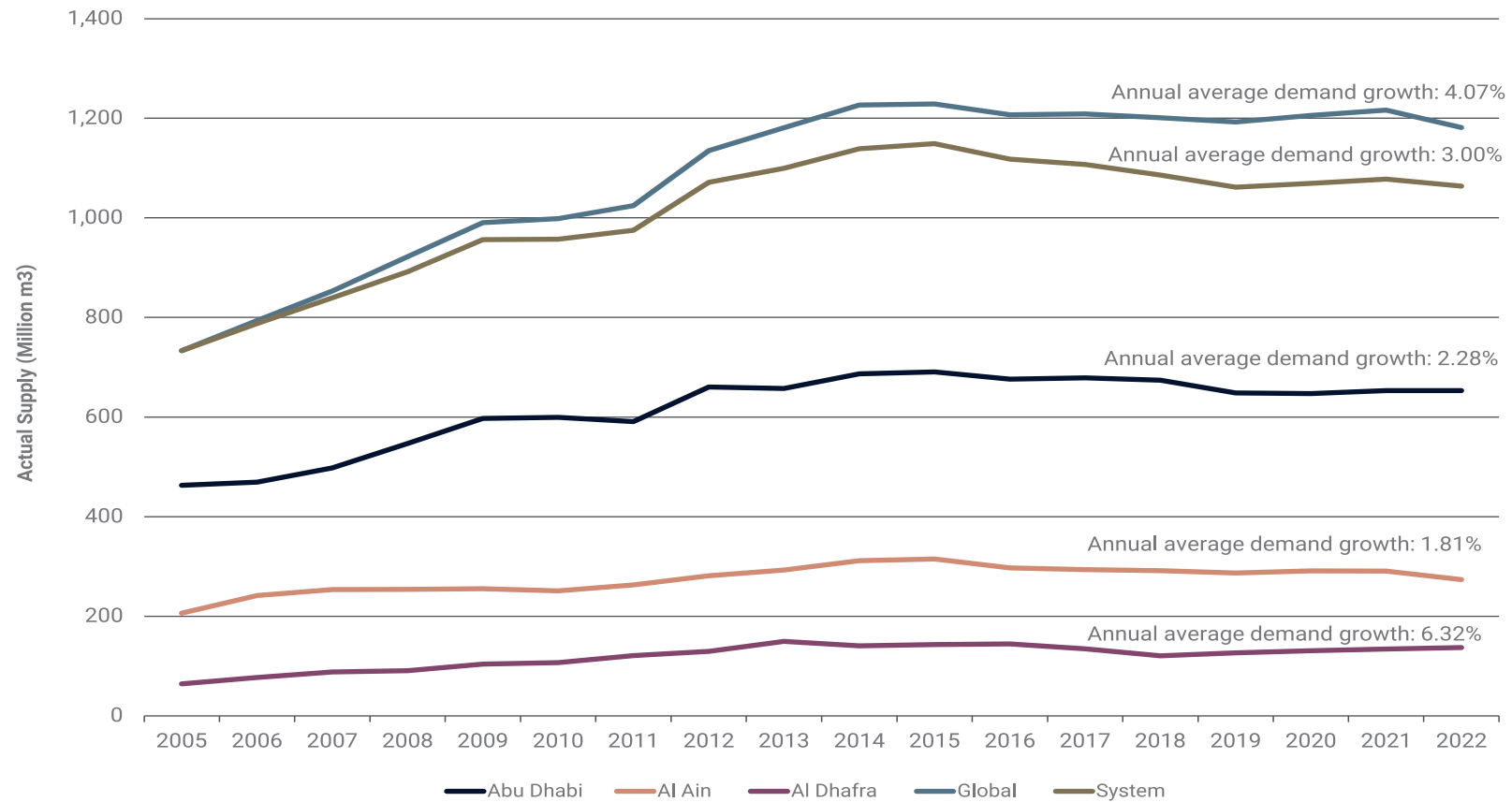
كميات المياه المصدرة سنويا حسب المناطق (مليون متر مكعب) 2005 - 2022

Annual Water Supply by Region (million m3) 2005 - 2022

Year	Abu Dhabi	Al Ain	Al Dhafra	System	Exports to NE	Global
2005	463	206	64	733	0	733
2006	469	242	77	788	6	794
2007	498	253	88	839	14	853
2008	547	254	91	892	30	922
2009	597	255	104	956	34	990
2010	599	251	107	957	41	998
2011	591	263	121	975	50	1,024
2012	660	281	130	1,071	64	1,135
2013	657	293	150	1,100	81	1,181
2014	687	311	140	1,139	88	1,227
2015	691	315	143	1,149	80	1,229
2016	676	297	144	1,118	89	1,207
2017	678	294	135	1,107	102	1,209
2018	674	291	121	1,086	115	1,201
2019	648	287	126	1,061	131	1,192
2020	647	291	131	1,069	137	1,206
2021	653	291	134	1,078	139	1,216
2022	653	274	137	1,064	118	1,181

كميات المياه المصدرة سنويا حسب المناطق (مليون متر مكعب) 2005 - 2022

Annual Water Supply by Region (million m3) 2005 - 2022



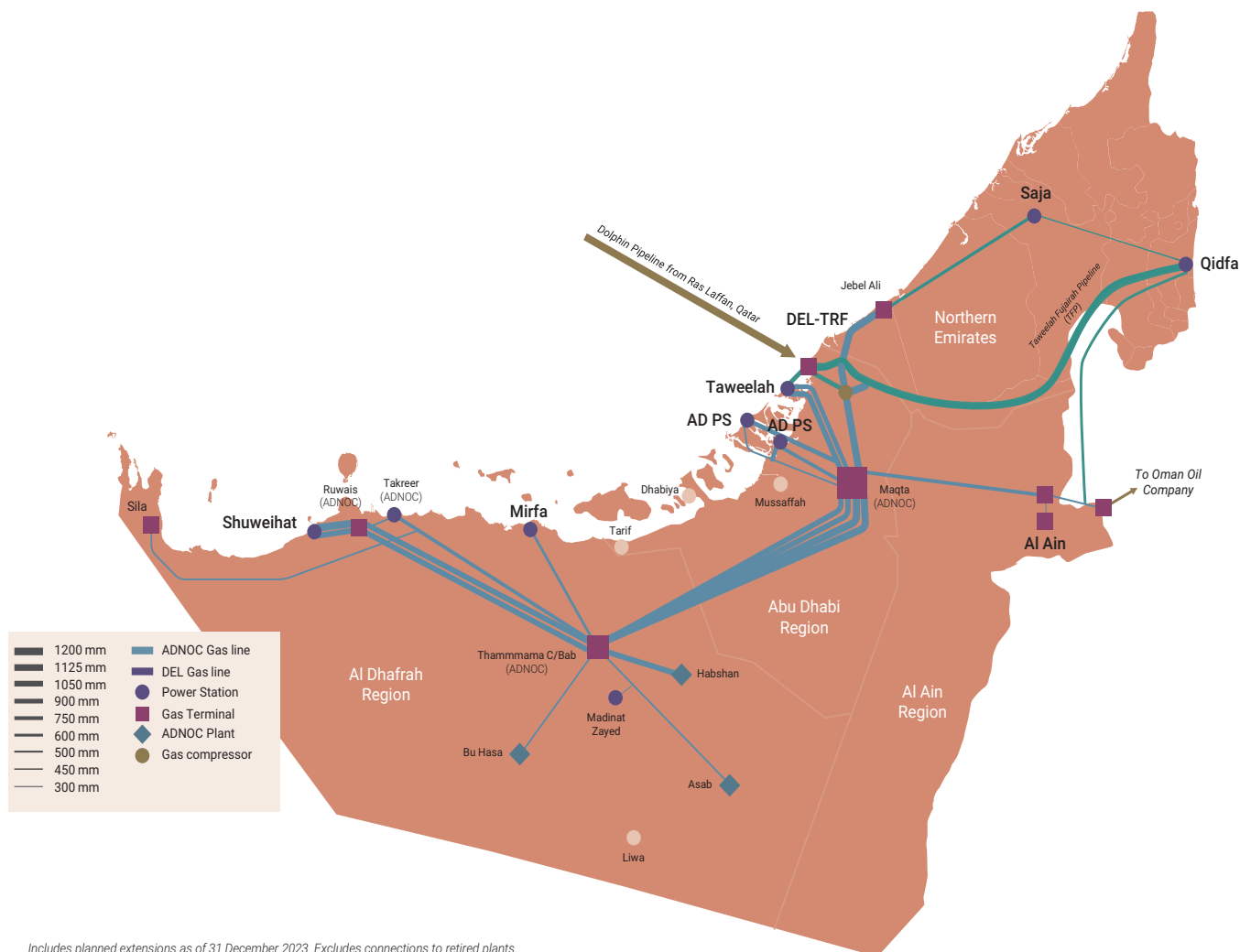
إحصائيات الوقود

Fuel Statistics

68	Main Gas Supply Network (end 2022) Excluding Connections to Retired Plants	68	التوسع المتوقع في شبكة إمداد الغاز حتى عام 2022 باستثناء المحطات التي أوقفت
69	Fuel Consumption by Company (BBTu)	69	الوقود المستهلك سنوياً حسب الشركات (مليون وحدة حرارية بريطانية)
70	Annual Fuel Consumption by Fuel Type (BBTu)	70	الوقود المستهلك سنوياً حسب نوع الوقود (مليون وحدة حرارية بريطانية)
71	Annual Fuel Consumption by Station (BBTu) 2012 - 2022	71	الاستهلاك السنوي للوقود بالوحدات الحرارية البريطانية حسب المحطات 2012 - 2022
74	Annual Fuel Consumption by Fuel Type (BBTu)	74	الاستهلاك السنوي للوقود بالوحدات الحرارية البريطانية حسب نوع الوقود
74	Percentage Annual Fuel Consumption	74	النسب المئوية لأنواع الوقود المستهلكة سنوياً

التوسع المتوقع في شبكة إمداد الغاز حتى عام 2023 باستثناء المحطات خارج الخدمة

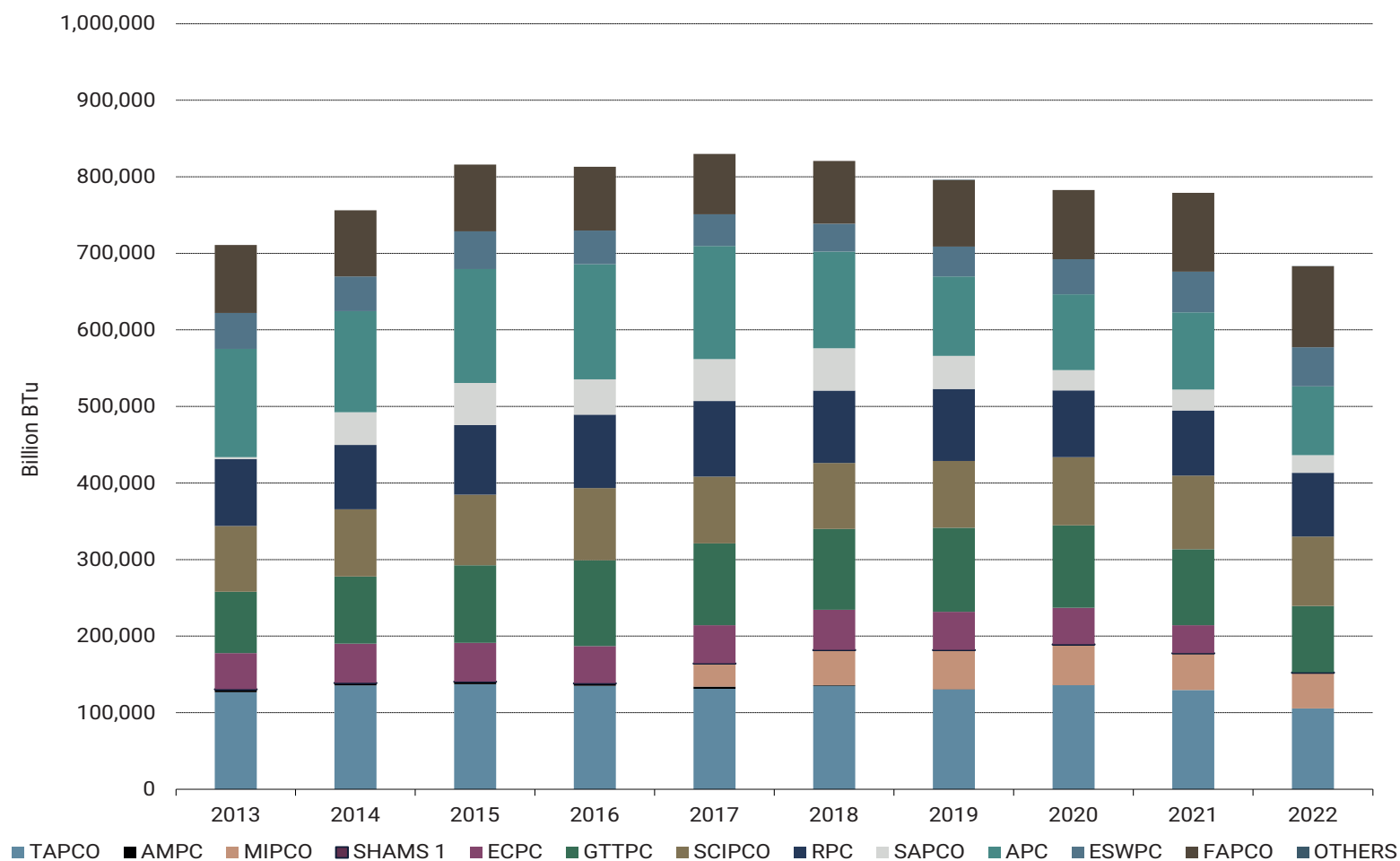
Main Gas Supply Network (end 2023) Excluding Connections to Retired Plants



24 Feb 2023

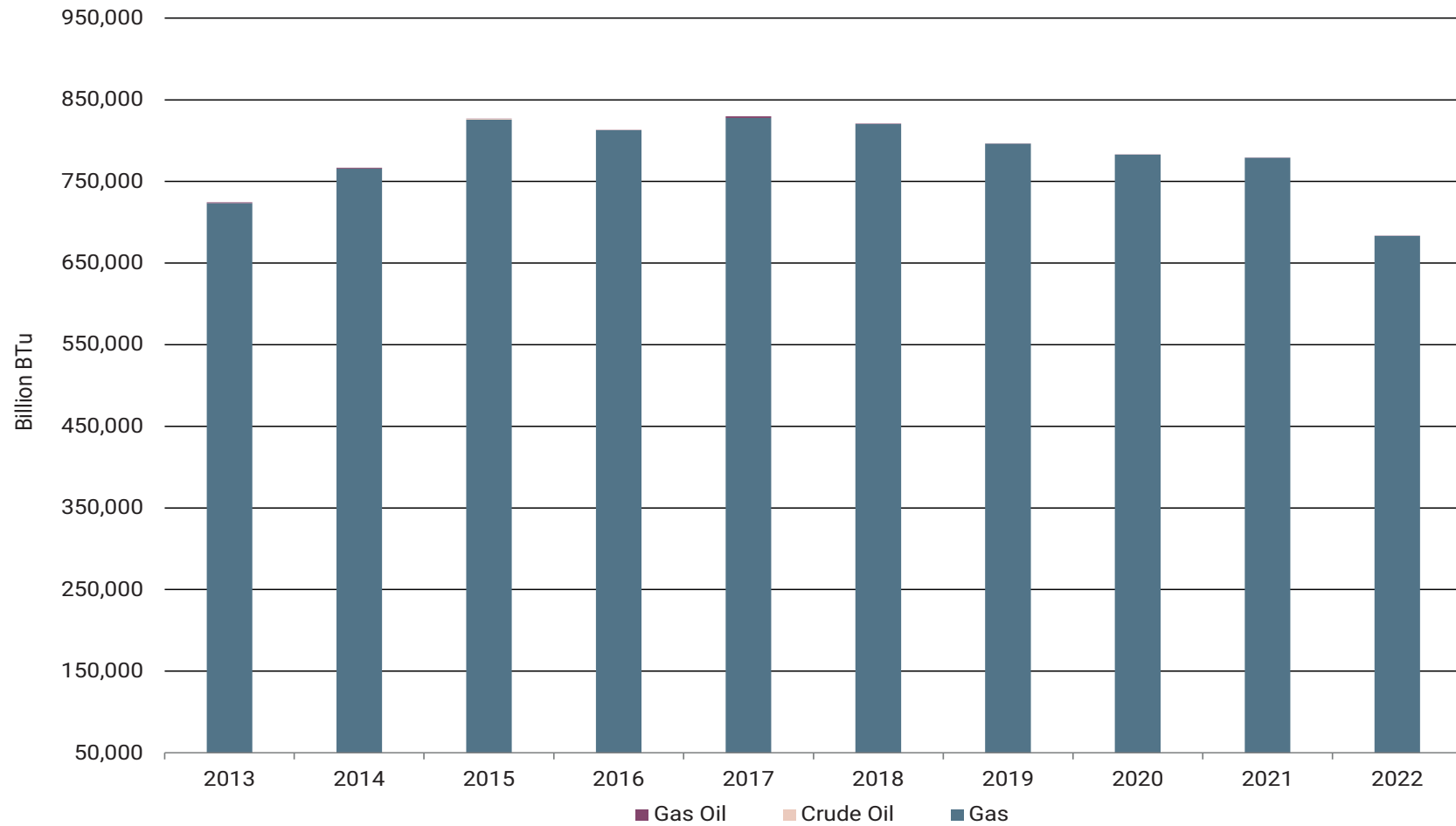
الوقود المستهلك سنويا حسب الشركات (مليون وحدة حرارية بريطانية)

Fuel Consumption by Company (BBTu)



الوقود المستهلك سنويا حسب نوع الوقود (مليون وحدة حرارية بريطانية)

Annual Fuel Consumption by Fuel Type (BBTu)



الاستهلاك السنوي للوقود بالوحدات الحرارية البريطانية حسب المحطات 2013 - 2022

Annual Fuel Consumption by Station (BBTu) 2013 - 2022

Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Taweelah B										
Gas	39,455	48,319	44,589	42,000	43,770	44,532	41,939	41,857	40,304	30,123
Crude Oil		1	984	110						
Gas Oil				25	6	8	3	6	1	
Total	39,455	48,320	45,573	42,135	43,775	44,539	41,942	41,864	40,305	30,123
Taweelah B2 Extension										
Gas	21,827	24,725	24,573	24,622	23,864	25,113	26,274	25,425	25,124	15,961
Gas Oil	5	3	2	6	8	2	29	12	15	15
Total	21,832	24,728	24,575	24,629	23,873	25,115	26,303	25,437	25,139	15,976
Taweelah New Extension										
Gas	65,359	62,701	67,157	68,323	63,392	65,330	61,836	68,634	64,293	59,403
Gas Oil	20	40		6	53	44				1
Total	65,379	62,740	67,157	68,329	63,445	65,374	61,836	68,634	64,293	59,404
TAPCO Total	126,666	135,788	137,305	135,093	131,093	135,028	130,081	135,935	129,737	105,502
Al Mirfa										
Gas	12,293	10,239	10,499							
Gas Oil	1	2								
Total	12,294	10,240	10,499							
Madinat Zayed										
Gas	1,183	341	394	526	237	149	88	296		
Gas Oil								162		
Total	1,183	341	394	526	237	150	88	458		
Al Ain										
Gas	3,652	2,805	3,071	1,980	2,714	725	632	63		
Gas Oil	12	2	1	1						
Total	3,664	2,808	3,072	1,981	2,714	725	632	63		
AMPC Total	17,141	13,390	13,966	2,507	2,951	874	720	64		

الاستهلاك السنوي للوقود بالوحدات الحرارية البريطانية حسب المحطات 2013 - 2022 (تابع)

Annual Fuel Consumption by Station (BBTu) 2013 - 2022 (continued)

Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
New Mirfa										
Gas				545	28,103	45,599	50,590	52,769	47,588	46,384
Gas Oil					1,703	5	5	9	30	25
MIPCO Total				545	29,806	45,603	50,595	52,778	0	46,408
Shams 1										
Gas	414	511	378	437	532	596	586	600	572	669
Gas Oil	27	0	16	0	0	0	0	0	0	
SHAMS 1 Total	442	511	394	437	532	596	586	600	572	669
Taweelah A2										
Gas	47,021	51,119	50,371	48,339	49,887	52,432	49,755	47,671	36,273	
Gas Oil	9	0	8	10	15	6	24	16	0	
ECPC Total	47,030	51,119	50,379	48,349	49,902	52,438	49,779	47,687	36,273	
Taweelah A1										
Gas	80,244	87,578	101,282	112,166	106,791	105,525	109,787	107,659	99,429	86,755
Gas Oil	26	13	31	86	63	13	8	8	25	19
GTTPC Total	80,270	87,592	101,313	112,252	106,854	105,538	109,795	107,667	99,454	86,774
Shuweihat (S1)										
Gas	85,708	87,892	92,421	94,319	87,077	86,088	87,189	88,985	96,113	90,690
Gas Oil	16	10	23	26	64	63	39	27	16	14
SCIPCO Total	85,724	87,903	92,444	94,345	87,141	86,150	87,228	89,013	96,129	90,705
Shuweihat (S2)										
Gas	87,524	84,064	90,725	95,866	98,787	94,412	94,049	87,324	85,037	83,273
Gas Oil	23	38	34	27	36	24	38	11	15	8
RPC Total	87,546	84,102	90,760	95,893	98,823	94,435	94,087	87,335	85,052	83,280
Shuweihat (S3)										
Gas	1,643	41,607	54,914	45,859	54,859	55,288	43,268	26,264	27,274	22,957
Gas Oil	709	954		16	15	29	19	10	9	3
SAPCO Total	2,352	42,560	54,914	45,874	54,874	55,317	43,286	26,274	27,283	22,960

الاستهلاك السنوي للوقود بالوحدات الحرارية البريطانية حسب المحطات 2013 - 2022 (تابع)

Annual Fuel Consumption by Station (BBTu) 2013 - 2022 (continued)

Station	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Umm Al Nar East										
Gas	14,558	11,613	15,541	13,824	10,331	6,630	1,670	46	3	
Gas Oil	4	3	4	2						
Total	14,562	11,616	15,545	13,825	10,332	6,630	1,670	46	3	
Umm Al Nar West										
Gas	35,930	32,503	36,746	31,497	31,296	16,525	3,318	1,307	522	
Crude Oil										
Total	35,930	32,503	36,746	31,497	31,296	16,525	3,318	1,307	522	
Sas Al Nakhl										
Gas	91,095	87,846	96,707	105,042	105,931	103,236	98,713	97,868	100,298	90,052
Gas Oil	36	44	15	20	19	13		1	5	4
Total	91,131	87,890	96,722	105,062	105,950	103,249	98,713	97,869	100,304	90,056
APC Total	141,624	132,008	149,013	150,384	147,578	126,404	103,701	99,222	100,830	90,056
EWEC SYSTEM Total	588,794	634,974	681,153	685,680	709,553	702,384	669,859	646,573	622,948	526,355
ESWPC										
Gas	46,899	45,408	49,030	43,993	41,331	36,411	39,015	45,792	53,109	51,013
Gas Oil	5	7	3	4	2	7	8	4	2	3
ESWPC Total	46,904	45,415	49,033	43,997	41,333	36,418	39,023	45,796	53,110	51,015
FAPCO										
Gas	88,689	86,289	87,348	83,361	78,803	81,861	87,038	90,375	103,060	105,879
Gas Oil	95	89	12	45	61	87	6	12	31	4
FAPCO Total	88,785	86,379	87,360	83,406	78,865	81,949	87,045	90,387	103,091	105,883
Others										
Gas							362			10
Gas Oil										
Others Total							362			
Global Total	724,483	766,767	817,546	813,083	829,751	820,751	796,289	782,756	779,149	683,264

الاستهلاك السنوي للوقود بالوحدات الحرارية البريطانية حسب نوع الوقود

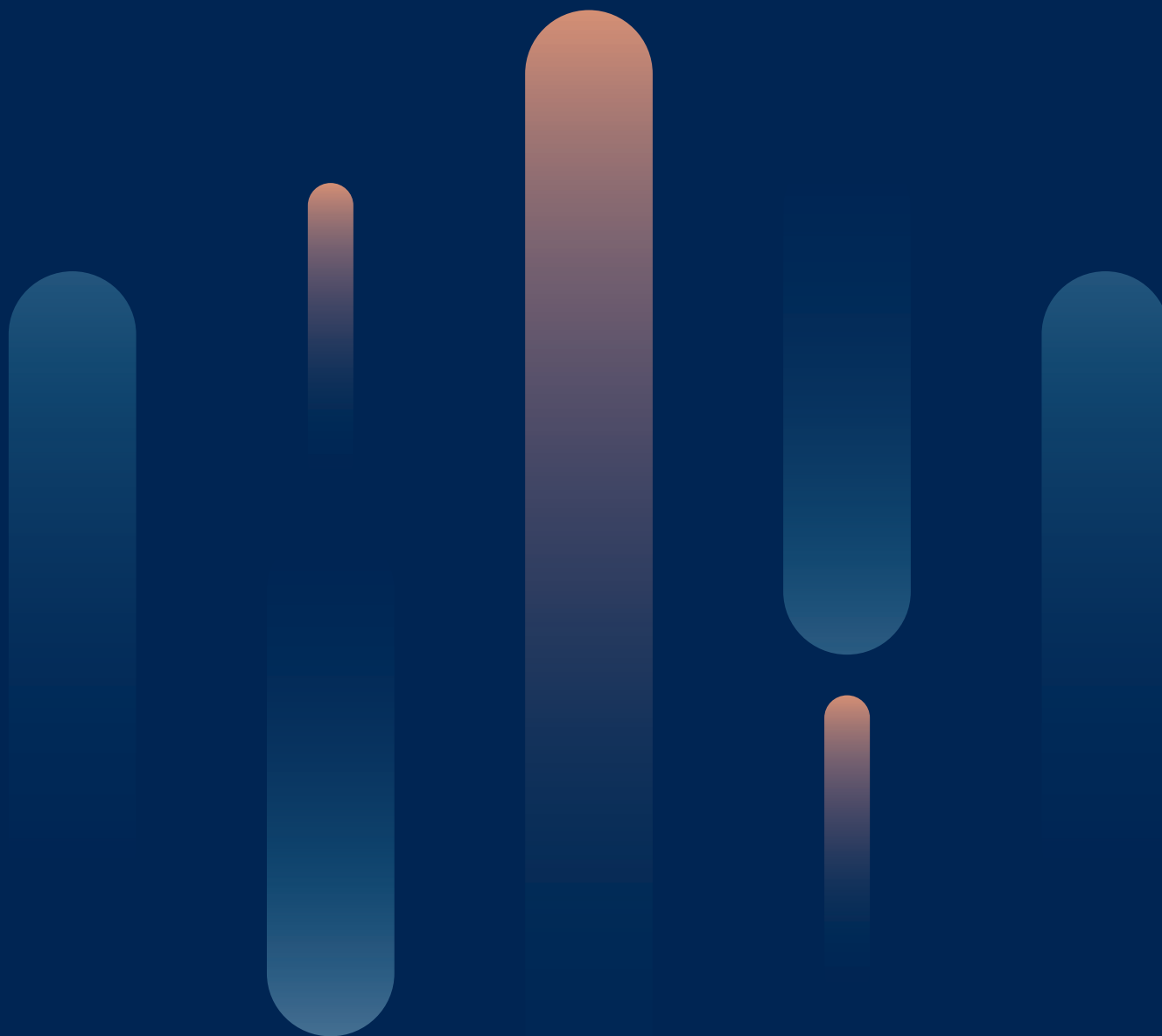
Annual Fuel Consumption by Fuel Type (BBTu)

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Gas	723,493	765,560	825,746	812,699	827,705	820,451	796,110	782,640	779,000	683,169
Crude Oil		1	984	110						
Gas Oil	990	1,206	149	274	2,046	300	180	116	149	94
Total	724,483	766,767	826,879	813,083	829,751	820,751	796,289	782,756	779,149	683,264

النسب المئوية لأنواع الوقود المستهلكة سنوياً

Percentage Annual Fuel Consumption

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Gas	99.9%	99.8%	99.9%	100.0%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%
Crude Oil	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Gas Oil	0.1%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



إحصائيات القدرات

Capacity Statistics

77	Generation Capacity (Gross MW) at 31st December (Available Capacity)	77	قدرة الإنتاج الإجمالية (ميجاوات) في 31 ديسمبر من كل عام
79	Desalination Capacity (Gross million m3) at 31st December (Available Capacity)	79	قدرة التحلية الإجمالية (مليون جالون/يوم) في 31 ديسمبر من كل عام
81	Generation Capacity by Technology (Gross MW) 2011 - 2013 (Available Capacity at Peak)	81	قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2011 - 2013 (القدرة المتاحة في وقت الذروة)
82	Generation Capacity by Technology (Gross MW) 2014 - 2016 (Available Capacity at Peak)	82	قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2014 - 2016 (القدرة المتاحة في وقت الذروة)
83	Generation Capacity by Technology (Gross MW) 2017 - 2019 (Available Capacity at Peak)	83	قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2017 - 2019 (القدرة المتاحة في وقت الذروة)
84	Generation Capacity by Technology (Gross MW) 2020 - 2022 (Available Capacity at Peak)	84	قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2020 - 2022 (القدرة المتاحة في وقت الذروة)
85	Generation Capacity by Technology (Gross MW) 1999 - 2022 (Available Capacity at Peak)	85	قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 1999 - 2022 (القدرة المتاحة في وقت الذروة)
86	Desalination Capacity by Technology (Gross million m3) 2013 - 2017 (Available Capacity at Peak)	86	قدرة التحلية حسب أسلوب التحلية 2013 - 2017 (الاجمالي مليون متر مكعب) (القدرة المتاحة في وقت الذروة)
87	Desalination Capacity by Technology (Gross million m3) 2018- 2022 (Available Capacity at Peak)	87	قدرة التحلية حسب أسلوب التحلية 2018 - 2022 (الاجمالي مليون متر مكعب) (القدرة المتاحة في وقت الذروة)
88	Desalination Capacity by Technology (Gross million m3/day) 1999 - 2022 (Available Capacity at Peak)	88	قدرة التحلية حسب أسلوب التحلية (الاجمالي مليون متر مكعب) 1999 - 2022 (القدرة المتاحة في وقت الذروة)

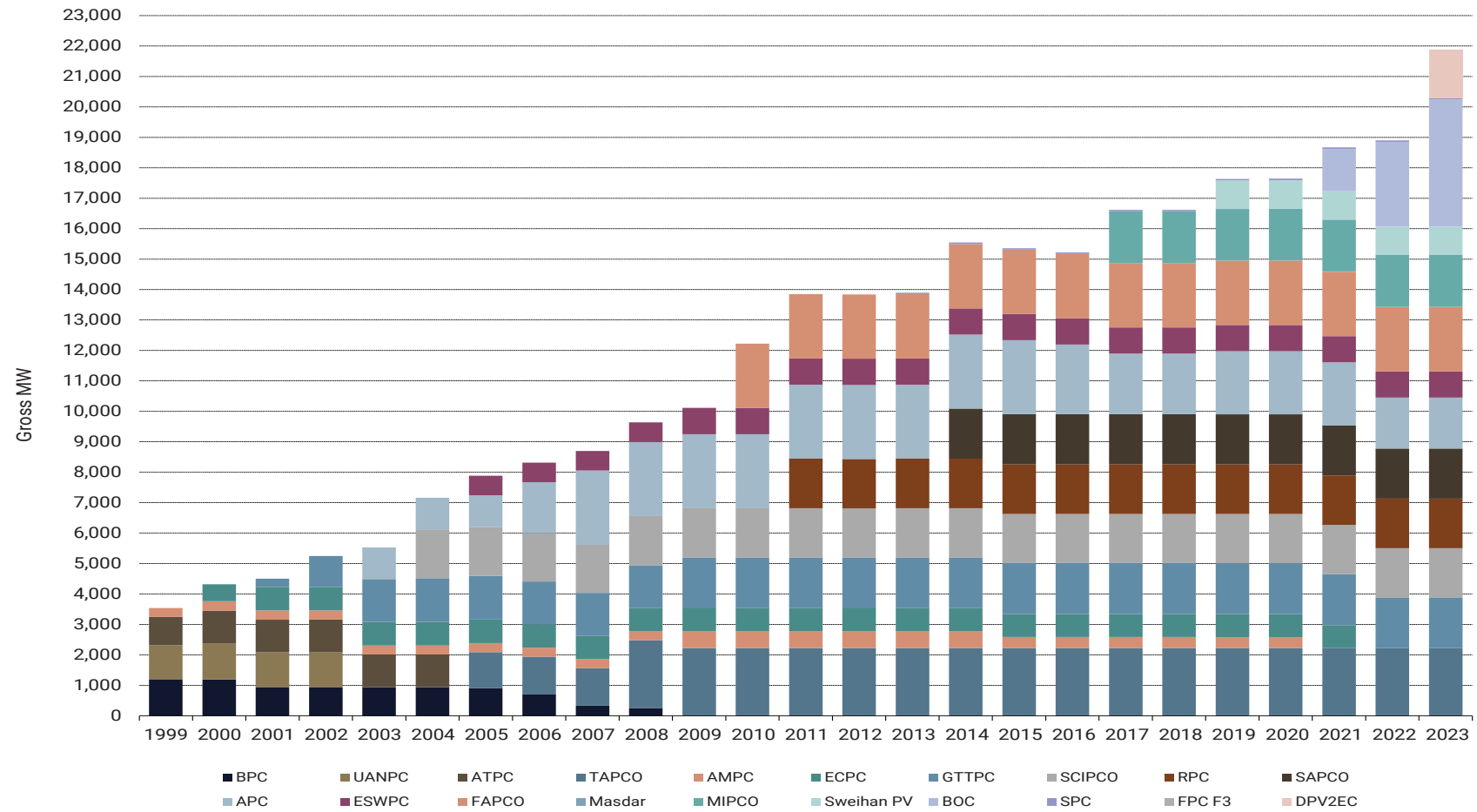
قدرة الإنتاج الإجمالية (ميجاوات) في 31 ديسمبر من كل عام

Generation Capacity (Gross MW) at 31st December
(Available Capacity)

Firm Capacity																				Non Firm Capacity								
Year	BPC	UANPC	ATPC	TAPCO				AMPC				GTPC	ECPC	SCIPCO	RPC	SAPCO	APC	MIPCO	BOC	ESWPC	FAPCO	SPC		SPC	Masdar	Sweihan PV	DPV2EC	
	Total	Total	Total	TWB	TWB2	TNE	Total	MRF	MZD	AIN	Total	TA1	TA2	S1	S2	S3	UAN	New Mirfa	BNPP	Fujairah F1	Fujairah F2	Shams 1	Total	Shams 1	Masdar PV	Noor Abu Dhabi	Al Dhafra	Total
1999	1,201	1,118	926					192	100		292												3,537					
2000	1,195	1,188	1,069					196	113		309		555										4,316					
2001	940	1,148	1069					191	109		300	266	777										4,500					
2002	940	1,146	1,075					186	109		295	1,014	777										5,247					
2003	939		1,075					186	109		295	1,406	777				1,038						5,531					
2004	939		1,075					186	109		295	1,431	777	1,610			1,038						7,165					
2005	907			825	359		1,184	186	109		295	1,431	777	1,610			1,038			641			7,883					
2006	711			878	350		1,228	186	109		295	1,415	762	1,585			1,674			641			8,312					
2007	332			881	351		1,232	186	109		295	1,414	763	1,577			2,444			641			8,698					
2008	256			825	358	1,037	2,220	186	109		295	1,414	760	1,615			2,435			641			9,636					
2009				825	358	1,037	2,220	186	109	256	551	1,672	759	1,615			2,433			861			10,111					
2010				825	358	1,037	2,220	186	109	256	551	1,672	760	1,615			2,430			861	2,114		12,223					
2011				825	358	1,037	2,220	186	109	256	551	1,672	760	1,615	1,627		2,430			861	2,114		13,850					
2012				825	358	1,037	2,220	186	109	256	551	1,670	758	1,615	1,623		2,430			861	2,114		13,842					
2013				825	358	1,037	2,220	186	109	256	551	1,671	760	1,615	1,627		2,430			861	2,114	50	13,899	50				50
2014				825	358	1,037	2,220	186	109	256	551	1,671	760	1,615	1,627	1,647	2,430			861	2,114	50	15,546	50				50
2015				825	358	1,037	2,220		109	256	365	1,671	760	1,615	1,627	1,647	2,430			861	2,114	50	15,360	50				50
2016				825	358	1,037	2,220		109	256	365	1,671	760	1,615	1,627	1,647	2,290			861	2,114	50	15,220	50				50
2017				825	358	1,037	2,220		109	256	365	1,671	760	1,615	1,627	1,647	1,990	1,702		861	2,114	50	16,622	50				50
2018				825	358	1,037	2,220		109	256	365	1,671	760	1,615	1,627	1,647	1,990	1,702		861	2,114	50	16,622	50				50
2019				825	358	1,037	2,220		108	256	364	1,671	760	1,615	1,627	1,647	2,070	1,702		861	2,114	50	16,701	50		935		985
2020				825	358	1,037	2,220		108	256	364	1,671	760	1,615	1,627	1,647	2,070	1,702		861	2,114	50	16,701	50	10	935		995
2021				825	358	1,037	2,220					1,671	760	1,615	1,627	1,647	2,070	1,702	1,390	861	2,114	50	17,727	50	10	935		995
2022				825	358	1,037	2,220					1,671		1,615	1,627	1,647	1,670	1,702	2,780	861	2,114	50	17,957	50	10	935		995
2023				825	358	1,037	2,220					1,671		1,615	1,627	1,647	1,670	1,702	4,170	861	2,114	50	19,347	50	10	935	1,584	2,579

قدرة الإنتاج الإجمالية (ميجاوات) في 31 ديسمبر من كل عام

Generation Capacity (Gross MW) at 31st December (Available Capacity)



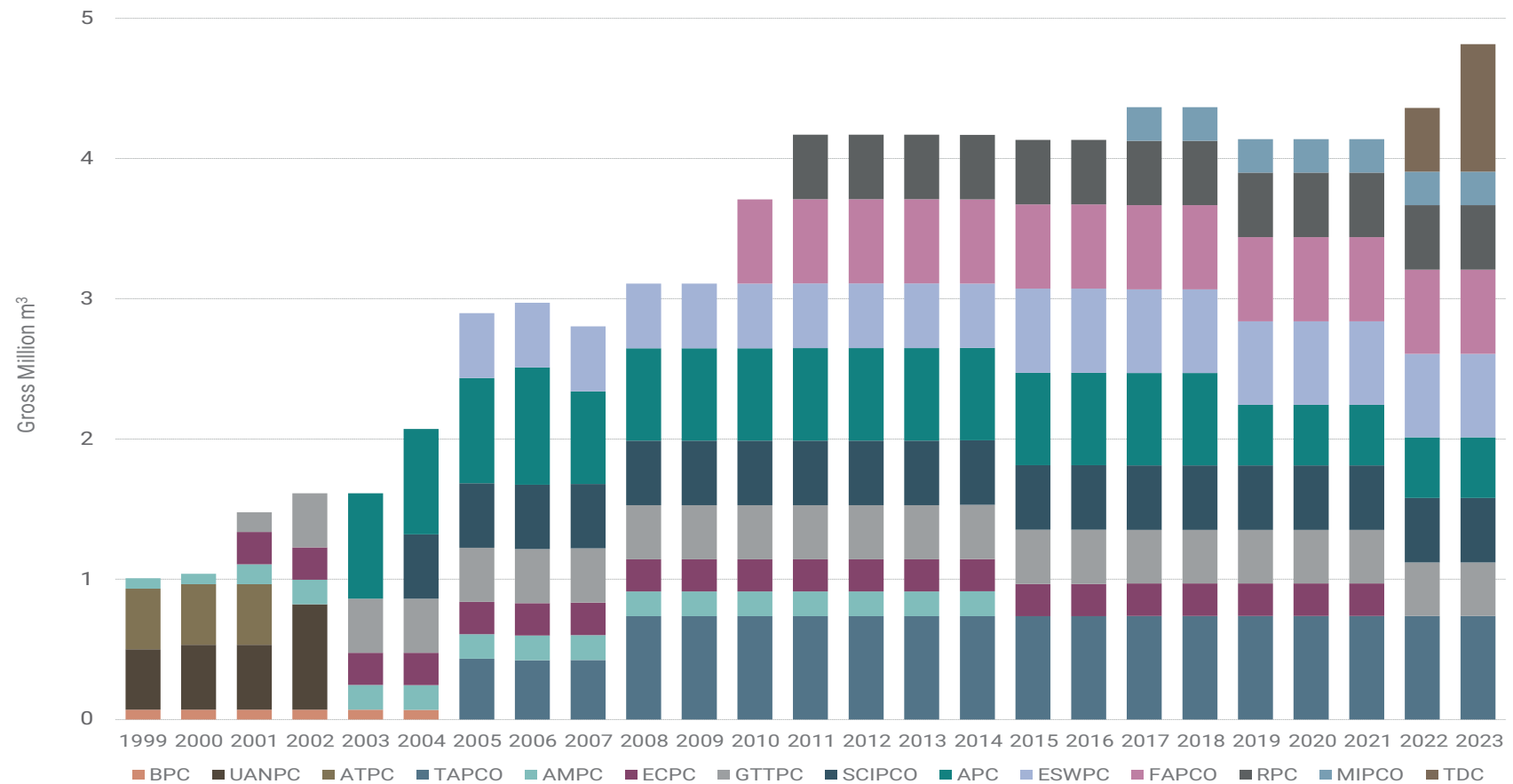
قدرة التحلية الإجمالية (الاجمالي مليون متر مكعب) في 31 ديسمبر من كل عام

Desalination Capacity (Gross million m3) at 31st December (Available Capacity)

Year	BPC			UANPC			ATPC			TAPCO				AMPC	ECPC	GTTPC	SCIPCO	RPC	APC	ESWPC	FAPCO	MIPCO	TDC	EWEC System
	STS	TWA	Total	UE (A&B)	UW (A&B)	Total	TWB	TB2	Total	TWB	TB2	TNBE	Total	Mirfa	TA2	TA1	S1	S2	UAN	F1	F2	New Mirfa	Taw RO	
1999	0.07	0.13	0.20	0.09	0.24	0.43	0.33	0.00	0.33					0.07										1.03
2000	0.07	0.13	0.20	0.19	0.27	0.46	0.33	0.11	0.43					0.07										1.17
2001	0.07		0.07	0.19	0.27	0.46	0.33	0.11	0.43					0.14	0.23	0.14								1.48
2002	0.07		0.07	0.19	0.56	0.75	0.33	0.11	0.43					0.18	0.23	0.39								2.04
2003	0.07		0.07				0.33	0.11	0.43					0.18	0.23	0.39			0.75					2.04
2004	0.07		0.07				0.33	0.11	0.43					0.18	0.23	0.39	0.46		0.75					2.50
2005	0.07		0.07							0.33	0.11	0.00	0.43	0.18	0.23	0.39	0.46		0.75	0.46				2.97
2006	0.07		0.07							0.32	0.11	0.00	0.42	0.18	0.23	0.39	0.46		0.84	0.46				3.04
2007	0.07		0.07							0.32	0.10	0.00	0.42	0.18	0.23	0.39	0.46		0.66	0.46				2.87
2008										0.32	0.11	0.31	0.74	0.18	0.23	0.39	0.46		0.66	0.46				3.11
2009										0.32	0.11	0.31	0.74	0.18	0.23	0.39	0.46		0.66	0.46				3.11
2010										0.32	0.11	0.31	0.74	0.18	0.23	0.39	0.46		0.66	0.46	0.60			3.71
2011										0.32	0.11	0.31	0.74	0.18	0.23	0.39	0.46	0.46	0.66	0.46	0.60			4.17
2012										0.32	0.11	0.31	0.74	0.18	0.23	0.39	0.46	0.46	0.66	0.46	0.60			4.17
2013										0.32	0.11	0.31	0.74	0.18	0.23	0.39	0.46	0.46	0.66	0.46	0.60			4.17
2014										0.32	0.11	0.31	0.74	0.18	0.23	0.39	0.46	0.46	0.66	0.46	0.60			4.17
2015										0.32	0.11	0.31	0.74		0.23	0.39	0.46	0.46	0.66	0.60	0.60			4.13
2016										0.32	0.11	0.31	0.74		0.23	0.39	0.46	0.46	0.66	0.60	0.60			4.13
2017										0.32	0.11	0.31	0.74		0.23	0.38	0.46	0.46	0.66	0.60	0.60	0.24		4.37
2018										0.32	0.11	0.31	0.74		0.23	0.38	0.46	0.46	0.66	0.60	0.60	0.24		4.37
2019										0.32	0.11	0.31	0.74		0.23	0.38	0.46	0.46	0.43	0.60	0.60	0.24		4.14
2020										0.32	0.11	0.31	0.74		0.23	0.38	0.46	0.46	0.43	0.60	0.60	0.24		4.14
2021										0.32	0.11	0.31	0.74		0.23	0.38	0.46	0.46	0.43	0.60	0.60	0.24		4.14
2022										0.32	0.11	0.31	0.74			0.38	0.46	0.46	0.43	0.60	0.60	0.24	0.46	4.36
2023										0.32	0.11	0.31				0.38	0.46	0.46	0.43	0.60	0.60	0.24	0.91	4.82

قدرة التحلية الإجمالية (الاجمالي مليون متر مكعب) في 31 ديسمبر من كل عام

Desalination Capacity (Gross million m3) at 31st December (Available Capacity)



قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2012 - 2014
(القدرة المتاحة في وقت الذروة)

Generation Capacity by Technology (Gross MW) 2012 - 2014
(Available Capacity at Peak)

Company	Station	2012					2013						2014					
		SCGT	CCGT	GT + EHR	ST	Total	SCGT	CCGT	GT + EHR	ST	CSP	Total	SCGT	CCGT	GT + EHR	ST	CSP	Total
AMPC	Al Ain	256				256	256					256	256					256
	Al Mirfa			186		186			186			186			186			186
	Madinat Zayed	109				109	109					109	109					109
	AMPC Total	365		186		551	365		186			551	365		186			551
APC	Umm Al Nar		1,652	118	660	2,430		1,652	118	660		2,430		1,652	118	660		2,430
	APC Total		1,652	118	660	2,430		1,652	118	660		2,430		1,652	118	660		2,430
GTTPC	Taweelah A1		1,670			1,670		1,670				1,670		1,671				1,671
	GTTPC Total		1,670			1,670		1,670				1,670		1,671				1,671
ECPC	Taweelah A2		758			758		758				758		760				760
	ECPC Total		758			758		758				758		760				760
TAPCO	Taweelah Initial B				825	825				825		825				825		825
	Taweelah B Extension		358			358		358				358		358				358
	Taweelah New B Extension		1,037			1,037		1,037				1,037		1,037				1,037
	TAPCO Total		1,395		825	2,220		1,395		825		2,220		1,395		825		2,220
SCIPCO	Shuweihat 1		1,615			1,615		1,615				1,615		1,615				1,615
	SCIPCO Total		1,615			1,615		1,615				1,615		1,615				1,615
RPC	Shuweihat 2		1,623			1,623		1,621				1,621		1,627				1,627
	RPC Total		1,623			1,623		1,621				1,621		1,627				1,627
SAPCO	Shuweihat 3							493						1,647				1,647
	SAPCO Total							493						1,647				1,647
ESWPC	Fujairah F1		861			861		861				861		861				861
	Fujairah F1 Total		861			861		861				861		861				861
FAPCO	Fujairah F2		2,114			2,114		2,114				2,114		2,114				2,114
	Fujairah F2 Total		2,114			2,114		2,114				2,114		2,114				2,114
SPC	Shams 1										100	100					100	100
	Shams 1 Total										100	100					100	100
Total		365	11,688	304	1,485	13,842	365	12,179	304	1,485	100	13,940	365	13,342	304	1,485	100	15,596

قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2015 - 2017
(القدرة المتاحة في وقت الذروة)

Generation Capacity by Technology (Gross MW) 2015 - 2017
(Available Capacity at Peak)

Company	Station	2015						2016						2017					
		SCGT	CCGT	GT + EHR	ST	CSP	Total	SCGT	CCGT	GT + EHR	ST	CSP	Total	SCGT	CCGT	GT + EHR	ST	CSP	Total
AMPC	Al Ain	256					256	256					256	256					256
	Al Mirfa			186			186												
	Madinat Zayed	109					109	109					109	109					109
	AMPC Total	365		186			551	365					365	365					365
APC	Umm Al Nar		1,652	118	660		2,430		1,670	118	502		2,290		1,670	118	202		1,990
	APC Total		1,652	118	660		2,430		1,670	118	502		2,290		1,670	118	202		1,990
GTTPC	Taweelah A1		1,671				1,671		1,671				1,671		1,671				1,671
	GTTPC Total		1,671				1,671		1,671				1,671		1,671				1,671
ECPC	Taweelah A2		760				760		760				760		760				760
	ECPC Total		760				760		760				760		760				760
TAPCO	Taweelah Initial B				825		825				825		825				825		825
	Taweelah B Extension		358				358		358				358		358				358
	Taweelah New B Extension		1,037				1,037		1,037				1,037		1,037				1,037
	TAPCO Total		1,395		825		2,220		1,395		825		2,220		1,395		825		2,220
MIPCO	New Mirfa								760					384	1,318				1,702
	MIPCO Total								760					384	1,318				1,702
SCIPCO	Shuweihat 1		1,615				1,615		1,615				1,615		1,615				1,615
	SCIPCO Total		1,615				1,615		1,615				1,615		1,615				1,615
RPC	Shuweihat 2		1,627				1,627		1,627				1,627		1,627				1,627
	RPC Total		1,627				1,627		1,627				1,627		1,627				1,627
SAPCO	Shuweihat 3		1,647				1,647		1,647				1,647		1,647				1,647
	SAPCO Total		1,647				1,647		1,647				1,647		1,647				1,647
ESWPC	Fujairah F1		861				861		861				861		861				861
	ESWPC Total		861				861		861				861		861				861
FAPCO	Fujairah F2		2,114				2,114		2,114				2,114		2,114				2,114
	FAPCO Total		2,114				2,114		2,114				2,114		2,114				2,114
SPC	Shams 1					100	100					100	100					100	100
	SPC Total					100	100					100	100					100	100
Total		365	13,342	304	1,485	100	15,596	365	13,360	118	1,327	100	15,270	749	14,678	118	1,027	100	16,672

قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2020 - 2018
(القدرة المتاحة في وقت الذروة)

Generation Capacity by Technology (Gross MW) 2018 - 2020
(Available Capacity at Peak)

Company	Station	2018						2019						2020							
		SCGT	CCGT	GT + EHR	ST	CSP	Total	SCGT	CCGT	GT + EHR	ST	CSP	Solar	Total	SCGT	CCGT	GT + EHR	ST	CSP	Solar	Total
AMPC	Al Ain	256					256	256						256	256						256
	Al Mirfa																				
	Madinat Zayed	109					109	108						108	108						108
	AMPC Total	365					365	364						364	364						364
APC	Umm Al Nar		1,670	118	202		1,990		1,670	118	282			2,070		1,670	118	282			2,070
	APC Total		1,670	118	202		1,990		1,670	118	282			2,070		1,670	118	282			2,070
GTTPC	Taweelah A1		1,671				1,671		1,671					1,671		1,671					1,671
	GTTPC Total		1,671				1,671		1,671					1,671		1,671					1,671
ECPC	Taweelah A2		760				760		760					760		760					760
	ECPC Total		760				760		760					760		760					760
TAPCO	Taweelah Initial B				825		825				825			825				825			825
	Taweelah B Extension		358				358		358					358		358					358
	Taweelah New B Extension		1,037				1,037		1,037					1,037		1,037					1,037
	TAPCO Total		1,395		825		2,220		1,395		825			2,220		1,395		825			2,220
MIPCO	New Mirfa	384	1,318				1,702	384	1,318					1,702	384	1,318					1,702
	MIPCO Total	384	1,318				1,702	384	1,318					1,702	384	1,318					1,702
SCIPCO	Shuweihat 1		1,615				1,615		1,615					1,615		1,615					1,615
	SCIPCO Total		1,615				1,615		1,615					1,615		1,615					1,615
RPC	Shuweihat 2		1,627				1,627		1,627					1,627		1,627					1,627
	RPC Total		1,627				1,627		1,627					1,627		1,627					1,627
SAPCO	Shuweihat 3		1,647				1,647		1,647					1,647		1,647					1,647
	SAPCO Total		1,647				1,647		1,647					1,647		1,647					1,647
MASDAR	Masdar PV																			10	10
	Masdar Total																			10	10
SWEIHAN PV	Noor Abu Dhabi												935	935						935	935
	Sweihan PV Total												935	935						935	935
ESWPC	Fujairah F1		861				861		861					861		861					861
	Fujairah F1 Total		861				861		861					861		861					861
FAPCO	Fujairah F2		2,114				2,114		2,114					2,114		2,114					2,114
	FAPCO Total		2,114				2,114		2,114					2,114		2,114					2,114
SHAMS 1	Shams 1					100	100					100		100					100		100
	SPC Total					100	100					100		100					100		100
Total		749	14,678	118	1,027	100	16,672	748	14,678	118	1,027	100	935	17,686	748	14,678	118	1,107	100	945	17,696

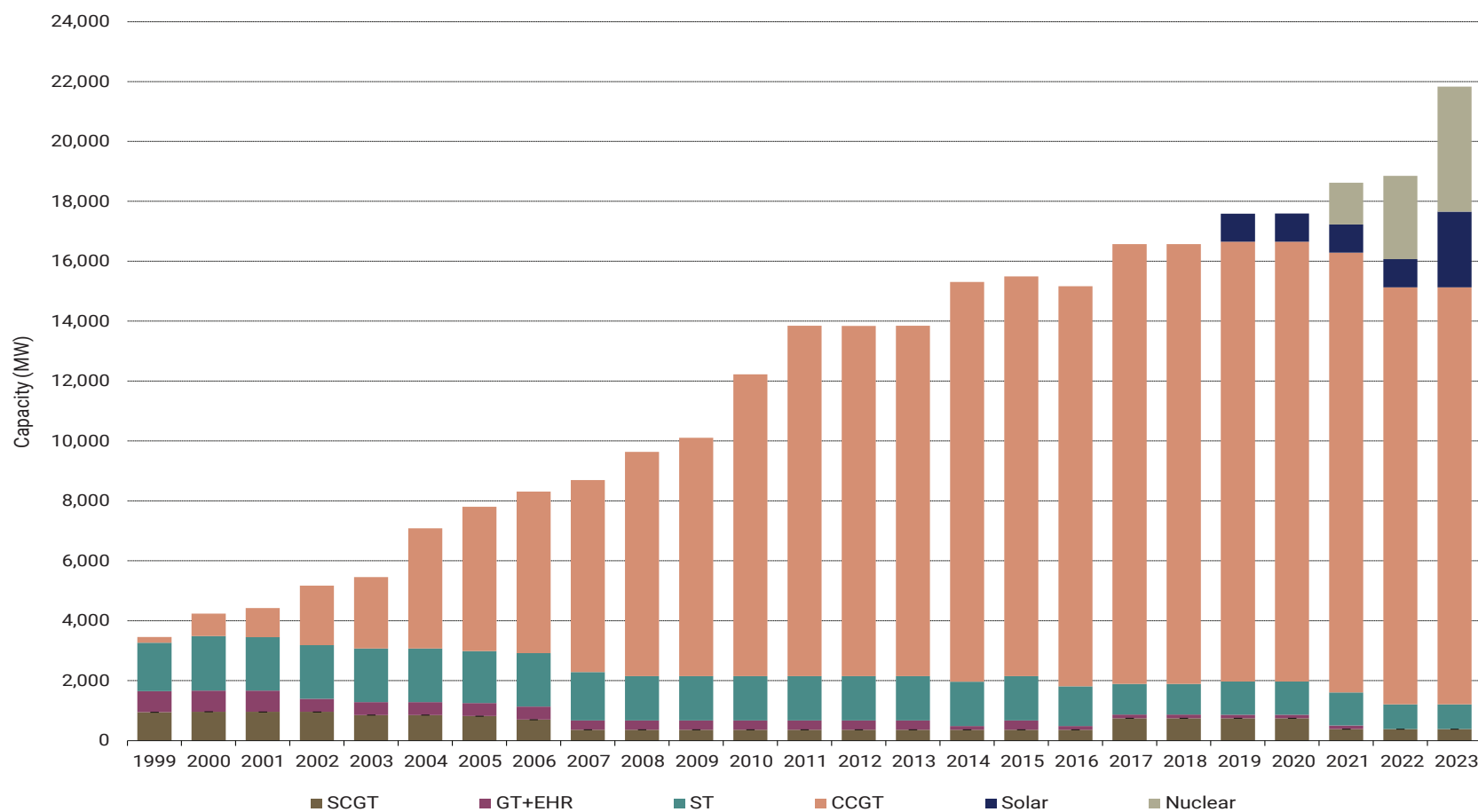
قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 2023 - 2021
(القدرة المتاحة في وقت الذروة)

Generation Capacity by Technology (Gross MW) 2021 - 2023
(Available Capacity at Peak)

Company	Station	2021								2022							2023						
		SCGT	CCGT	GT + EHR	ST	CSP	Solar	Nuclear	Total	SCGT	CCGT	ST	CSP	Solar	Nuclear	Total	SCGT	CCGT	ST	CSP	Solar	Nuclear	Total
APC	Umm Al Nar		1,670	118	282				2,070		1,670					1,670		1,670					1,670
	APC Total		1,670	118	282				2,070		1,670					1,670		1,670					1,670
GTTPC	Taweelah A1		1,671						1,671		1,671					1,671		1,671					1,671
	GTTPC Total		1,671						1,671		1,671					1,671		1,671					1,671
ECPC	Taweelah A2		760						760														
	ECPC Total		760						760														
TAPCO	Taweelah Initial B				825				825		825					825		825					825
	Taweelah B Extension		358						358		358					358		358					358
	Taweelah New B Extension		1,037						1,037		1,037					1,037		1,037					1,037
	TAPCO Total		1,395		825				2,220		1,395	825				2,220		1,395	825				2,220
MIPCO	New Mirfa	384	1,318						1,702	384	1,318					1,702	384	1,318					1,702
	MIPCO Total	384	1,318						1,702	384	1,318					1,702	384	1,318					1,702
SCIPCO	Shuweihat 1		1,615						1,615		1,615					1,615		1,615					1,615
	SCIPCO Total		1,615						1,615		1,615					1,615		1,615					1,615
RPC	Shuweihat 2		1,627						1,627		1,627					1,627		1,627					1,627
	RPC Total		1,627						1,627		1,627					1,627		1,627					1,627
SAPCO	Shuweihat 3		1,647						1,647		1,647					1,647		1,647					1,647
	SAPCO Total		1,647						1,647		1,647					1,647		1,647					1,647
BOC	BNPP							1,390	1,390						2,780	2,780						4,170	4,170
	BOC Total							1,390	1,390						2,780	2,780						4,170	4,170
SPC	Shams 1					100			100				100			100			100				100
	SPC Total					100			100				100			100			100				100
Masdar	Masdar PV						10		10					10		10				10			10
	Masdar Total						10		10					10		10				10			10
Sweihan PV	Noor Abu Dhabi						935		935				935			935				935			935
	Sweihan PV Total						935		935				935			935				935			935
DPV2EC	Al Dhafra PV																				1,584		1,584
	DPV2EC Total																				1,584		1,584
ESWPC	Fujairah F1		861						861		861					861		861					861
	ESWPC Total		861						861		861					861		861					861
FAPCO	Fujairah F2		2,114						2,114		2,114					2,114		2,114					2,114
	FAPCO Total		2,114						2,114		2,114					2,114		2,114					2,114
Fujairah 3	Fujairah F3																						
	Fujairah F3 Total																						
Total		384	14,678	118	1,107	100	945	1,390	18,722	384	13,918	825	100	945	2,780	18,952	384	11,431	825	100	945	4,170	21,926

قدرة الإنتاج حسب التقنية المتبعة (ميجاوات) 1999 - 2022
(القدرة المتاحة في وقت الذروة)

Generation Capacity by Technology (Gross MW) 1999 - 2022
(Available Capacity at Peak)



قدرة التحلية حسب تقنيات التحلية 2014 - 2018
(الاجمالي مليون متر مكعب) (القدرة المتاحة في وقت الذروة)

Desalination Capacity by Technology (Gross million m3) 2014 - 2018
(Available Capacity at Peak)

Company	Station	2014				2015				2016				2017				2018			
		MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total
AMPC	Al Mirfa	0.18			0.18																
	AMPC Total	0.18			0.18																
APC	Umm Al Nar	0.63	0.03		0.66	0.63	0.03		0.66	0.63	0.03		0.66	0.63	0.03		0.66	0.63	0.03		0.66
	APC Total	0.63	0.03		0.66	0.63	0.03		0.66	0.63	0.03		0.66	0.63	0.03		0.66	0.63	0.03		0.66
GTTPC	Taweelah A1	0.15	0.24		0.39	0.15	0.24		0.39	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38
	GTTPC Total	0.15	0.24		0.39	0.15	0.24		0.39	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38
ECPC	Taweelah A2	0.23			0.23	0.23			0.23	0.23			0.23	0.23			0.23	0.23			0.23
	ECPC Total	0.23			0.23	0.23			0.23	0.23			0.23	0.23			0.23	0.23	0.00		0.23
TAPCO	Taweelah Initial B	0.32			0.32	0.32			0.32	0.32			0.32	0.32			0.32	0.32	0.00		0.32
	Taweelah B Extension	0.11			0.11	0.11			0.11	0.11			0.11	0.11			0.11	0.11	0.00		0.11
	Taweelah New B Extension	0.31			0.31	0.31			0.31	0.31			0.31	0.31			0.31	0.31	0.00		0.31
	TAPCO Total	0.74			0.74	0.74			0.74	0.74			0.74	0.74			0.74	0.74	0.00		0.74
SCIPCO	Shuweihat 1	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46
	SCIPCO Total	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46
RPC	Shuweihat 2	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46	0.00		0.46
	RPC Total	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46	0.00		0.46
MIPCO	New Mirfa													0.10	0.14	0.24	0.00	0.10	0.14		0.23
	MIPCO Total													0.10	0.14	0.24	0.00	0.10	0.14		0.24
ESWPC	Fujairah 1	0.29		0.17	0.46	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60
	ESWPC Total	0.29		0.17	0.46	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60
FAPCO	Fujairah 2		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60
	FAPCO Total		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60
Total		3.12	0.74	0.31	4.17	2.95	0.74	0.31	4.13	2.95	0.73	0.45	4.13	2.95	0.50	0.45	4.37	2.95	0.84	0.58	4.37

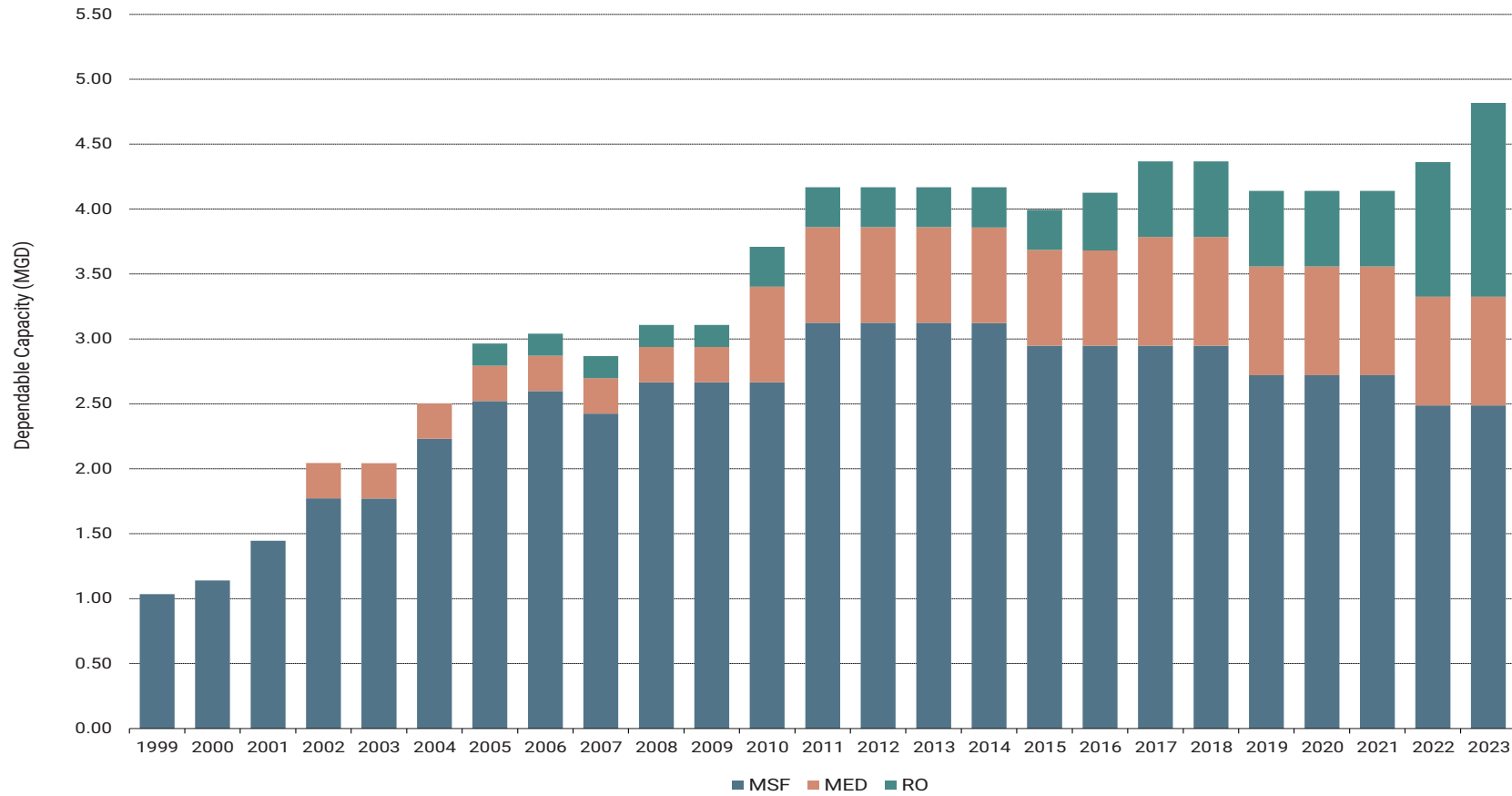
قدرة التحلية حسب تقنيات التحلية 2019 - 2023
(الاجمالي مليون متر مكعب) (القدرة المتاحة في وقت الذروة)

Desalination Capacity by Technology (Gross million m3) 2019 - 2023
(Available Capacity at Peak)

Company	Station	2019				2020				2021				2022				2023			
		MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total
APC	Umm Al Nar	0.40	0.03		0.43	0.40	0.03		0.43	0.40	0.03		0.43	0.40	0.03		0.43	0.40	0.03		0.43
	APC Total	0.40	0.03		0.43	0.40	0.03		0.43	0.40	0.03		0.43	0.40	0.03		0.43	0.40	0.03		0.43
GTTPC	Taweelah A1	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38
	GTTPC Total	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38	0.15	0.24		0.38
ECPC	Taweelah A2	0.23			0.23	0.23			0.23	0.23			0.23								
	ECPC Total	0.23			0.23	0.23			0.23	0.23			0.23								
TAPCO	Taweelah Initial B	0.32			0.32	0.32			0.32	0.32			0.32	0.32			0.32	0.32			0.32
	Taweelah B Extension	0.11			0.11	0.11			0.11	0.11			0.11	0.11			0.11	0.11			0.11
	Taweelah New B Extension	0.31			0.31	0.31			0.31	0.31			0.31	0.31			0.31	0.31			0.31
	TAPCO Total	0.74			0.74	0.74			0.74	0.74			0.74	0.74			0.74	0.74			0.74
SCIPCO	Shuweihat 1	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46
	SCIPCO Total	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46
RPC	Shuweihat 2	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46
	RPC Total	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46	0.46			0.46
MIPCO	New Mirfa	0.00	0.10	0.14	0.23	0.00	0.10	0.14	0.24	0.00	0.10	0.14	0.24	0.00	0.10	0.14	0.24	0.00	0.10	0.14	0.24
	MIPCO Total		0.10	0.14	0.24		0.10	0.14	0.24		0.10	0.14	0.24		0.10	0.14	0.24		0.10	0.14	0.24
TDC	Taweelah RO																			0.91	0.91
	TDC Total																			0.91	0.91
ESWPC	Fujairah 1	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60
	ESWPC Total	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60	0.29		0.31	0.60
FAPCO	Fujairah 2		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60
	FAPCO Total		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60		0.46	0.14	0.60
Total		2.72	0.84	0.58	4.14	2.72	0.84	0.58	4.14	2.72	0.84	0.58	4.14	2.49	0.84	1.04	4.36	2.49	0.84	1.04	4.82

قدرة الإنتاج حسب نوع المولدات (الاجمالي مليون متر مكعب /اليوم) 1999 - 2023
(القدرة المتاحة في وقت الذروة)

Desalination Capacity by Technology (Gross million m3/day) 1999 - 2023
(Available Capacity at Peak)



انبعاثات غاز ثاني أكسيد الكربون

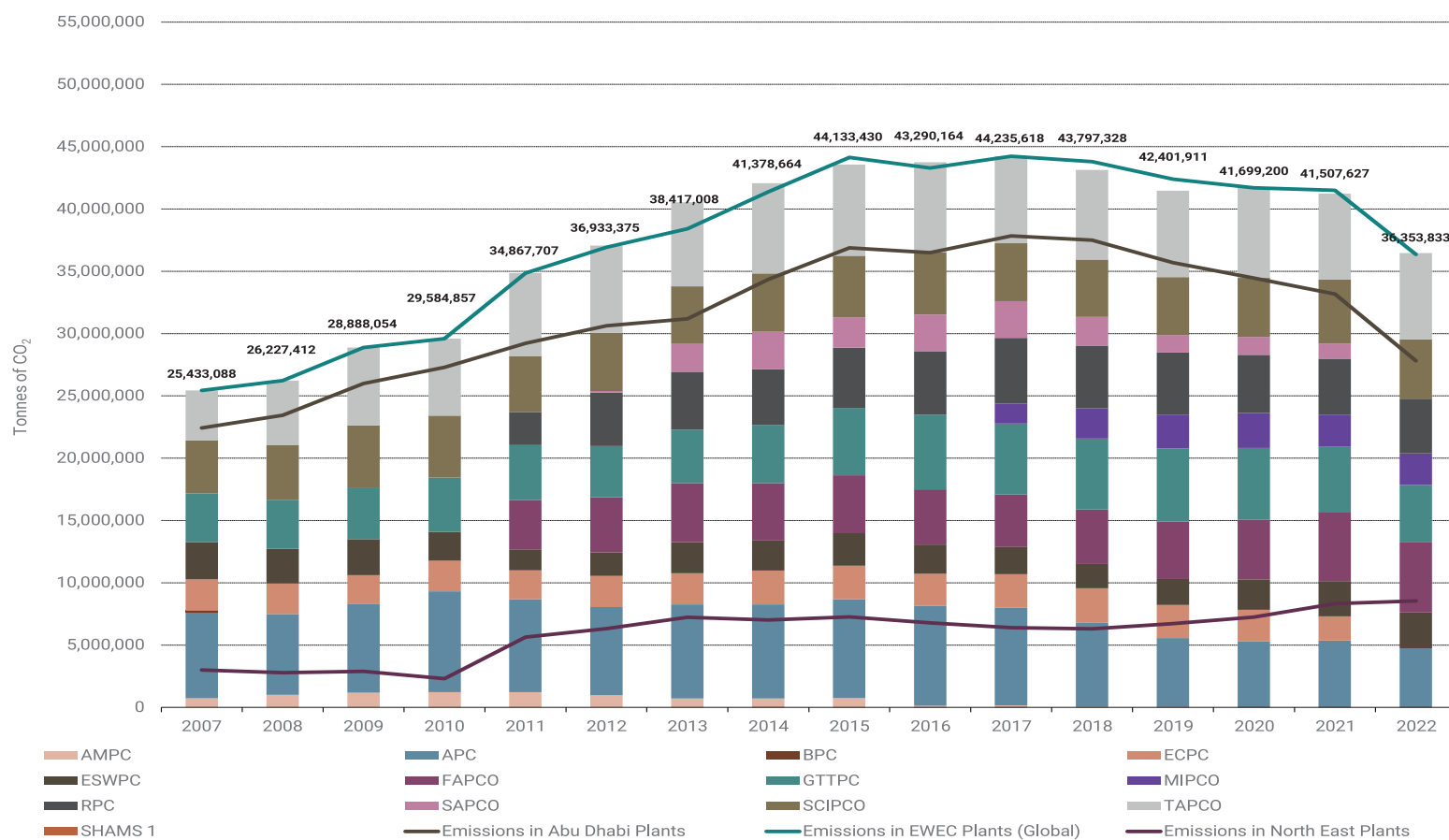
CO₂ Emissions

91 CO₂ Emissions (Tonnes) calculated as per the
Emission Intensity Calculation Tool

91 انبعاثات غاز ثاني أكسيد الكربون (بالطن)
حسب طريقة تركيز الانبعاثات

انبعاثات غاز ثاني أكسيد الكربون (بالطن) حسب طريقة تركيز الانبعاثات

CO₂ Emissions (Tonnes) calculated as per the Emission Intensity Calculation Tool



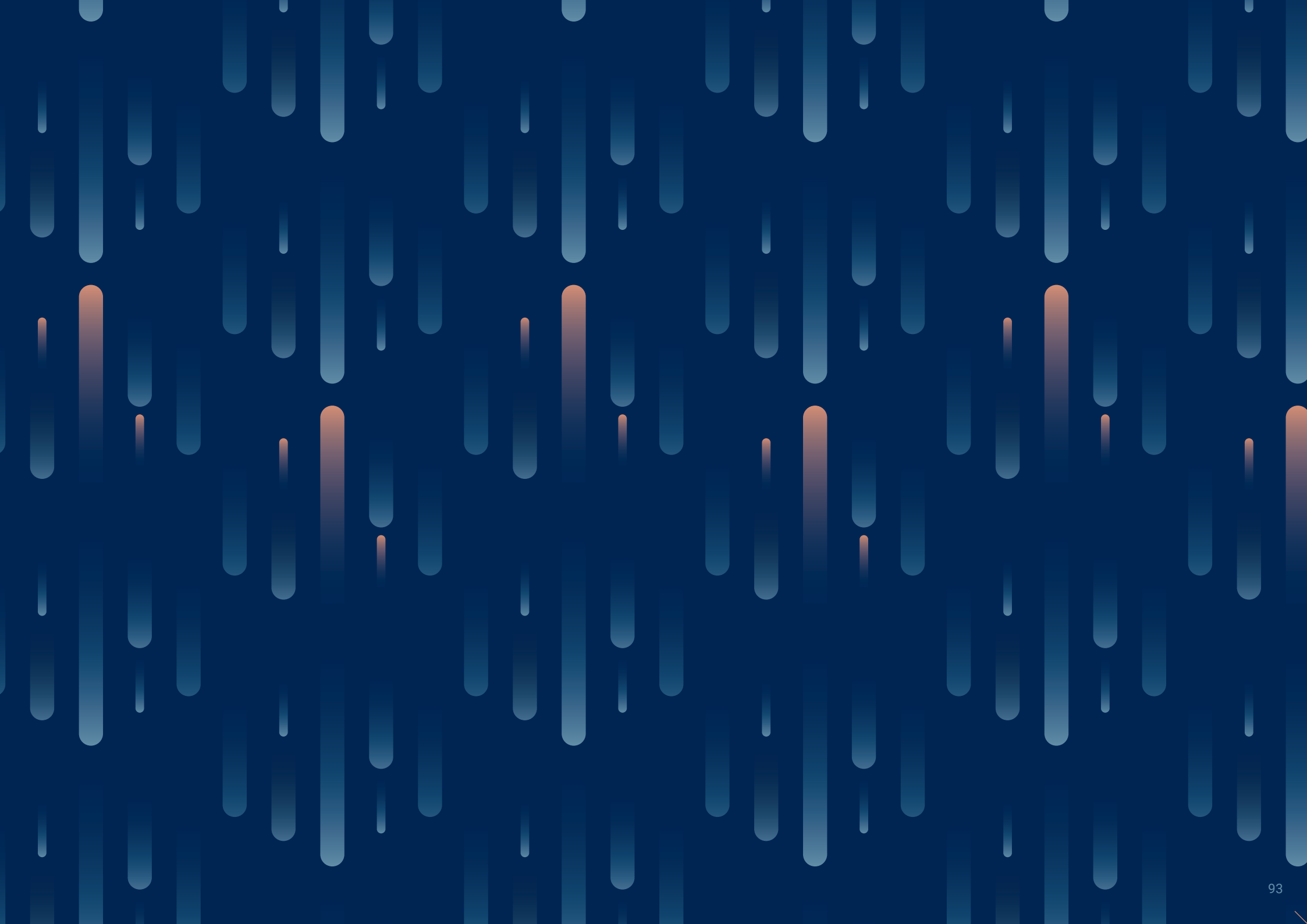
*Calculated with the Emission Intensity Calculation Tool

انبعاثات غاز ثاني أكسيد الكربون (بالطن) حسب طريقة تركيز الانبعاثات

CO₂ Emissions (Tonnes) calculated as per the Emission Intensity Calculation Tool

Company	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Bainounah Power Company (BPC)	174,332															
Al Mirfa Power Company (AMPC)	737,584	1,015,213	1,170,515	1,213,189	1,214,842	967,222	719,818	713,343	744,043	133,586	157,196	46,592	38,351	3,408		
Gulf Total Tractebel Company (GTTPC)	3,897,720	3,914,834	4,146,566	4,353,966	4,405,202	4,108,752	4,276,386	4,666,223	5,397,435	5,981,093	5,693,170	5,693,170	5,848,905	5,735,509	5,298,328	4,571,660
Emirates CMS Power Company (ECPC)	2,503,529	2,470,810	2,327,455	2,460,881	2,311,117	2,502,768	2,506,002	2,723,115	2,683,809	2,575,709	2,658,530	2,793,459	2,652,122	2,540,539	1,932,258	
Taweelah Asia Power Company (TAPCO)	3,998,699	5,162,584	6,253,813	6,173,461	6,655,923	7,012,999	6,747,894	7,234,091	7,330,332	7,198,820	6,984,445	7,193,834	6,929,961	7,241,510	6,911,326	6,911,326
Shuweihat CMS International Power Company (SCIPCO)	4,267,761	4,409,445	4,986,048	4,974,783	4,508,959	4,662,943	4,566,754	4,682,727	4,924,854	5,026,197	4,643,087	4,590,282	4,647,290	4,742,149	5,121,072	4,776,521
Ruwais Power Company (RPC)					2,652,383	4,283,668	4,663,967	4,480,766	4,835,334	5,108,666	5,264,873	5,030,951	5,012,627	4,652,479	4,530,956	4,386,416
Shuweihat Asia Power Company (SAPCO)							137,416	2,283,463	2,992,366	2,443,977	2,923,375	2,947,202	2,306,177	1,399,776	1,453,509	1,211,577
Arabian Power Company (APC)	6,853,379	6,472,259	7,110,573	8,103,651	7,475,371	7,079,831	7,544,938	7,545,446	7,938,183	8,011,267	7,861,753	6,733,734	5,524,125	5,285,549	5,371,260	4,742,198
Shams Power Company (Shams1)							24,004	27,237	21,248	23,289	28,318	31,765	31,237	31,957	30,450	35,246
Mirfa International Power Company (MIPCO)											1,616,887	2,429,357	2,695,287	2,811,604	2,537,141	2,522,176
Emirates SembCorp Water & Power Company (ESWPC)	3,000,083	2,782,267	2,893,084	2,304,926	1,684,134	1,876,520	2,498,668	2,419,357	2,612,001	2,343,789	2,201,829	1,940,103	2,078,860	2,439,621	2,829,197	2,888,556
Fujairah Asia Power Company (FAPCO)	0	0	0	0	3,959,776	4,438,670	4,731,161	4,602,897	4,653,826	4,443,769	4,202,155	4,366,879	4,636,969	4,815,098	5,492,131	5,659,735
Emissions in Abu Dhabi Plants	22,433,005	23,445,145	25,994,970	27,279,931	29,223,797	30,618,184	31,187,180	34,356,410	36,867,604	36,502,606	37,831,634	37,490,346	35,686,083	34,444,480	33,186,300	27,805,543
Emissions in North East Plants	3,000,083	2,782,267	2,893,084	2,304,926	5,643,910	6,315,190	7,229,829	7,022,254	7,265,826	6,787,558	6,403,984	6,306,983	6,715,828	7,254,720	8,321,328	8,548,290
Emissions in EWEC Plants (Global)	25,433,088	26,227,412	28,888,054	29,584,857	34,867,707	36,933,375	38,417,008	41,378,664	44,133,430	43,290,164	44,235,618	43,797,328	42,401,911	41,699,200	41,507,627	36,353,833

*Calculated with the Emission Intensity Calculation Tool



إحصائيات التنبؤ

Forecast Statistics

95	Electricity Peak Demand Forecast (Gross MW)	توقعات الطلب القصوى على الكهرباء (ميجاوات)	95
96	Water Peak Demand Forecast (Gross million m ³)	(توقعات الطلب القصوى على المياه (مليون جالون / يوم)	96
97	Water Global Demand	الطلب العالمي على المياه (مليون جالون / يوم)	97

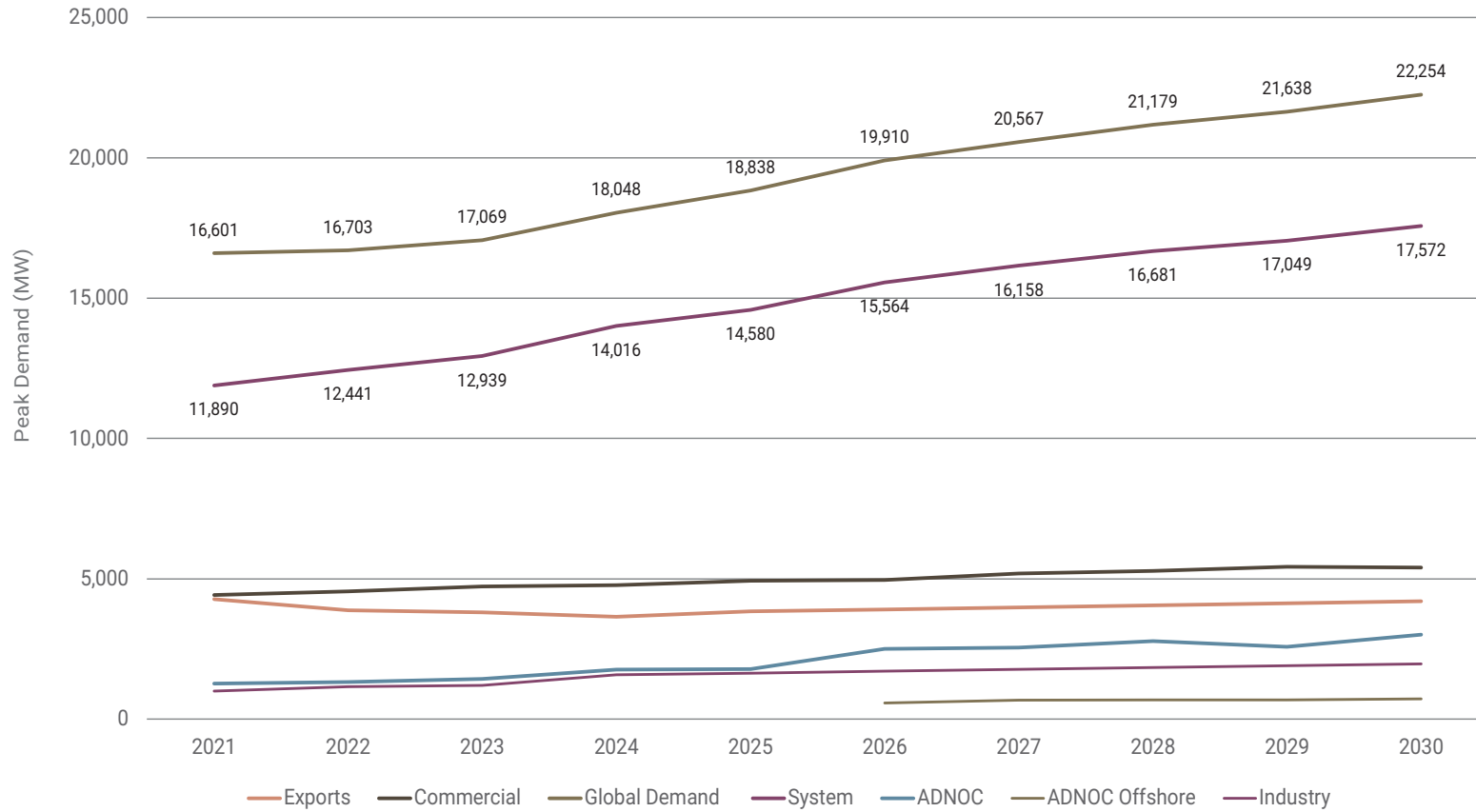
توقعات الطلب القصوى على الكهرباء (ميجاوات)

Electricity Peak Demand Forecast (Gross MW)

CATEGORY	2022	2023	2024	2025	2026	2027	2028	2029	2030
ADNOC	1,157	1,235	1,358	1,667	1,762	1,939	2,313	2,375	2,421
Residential	4,169	4,162	4,478	4,793	5,169	5,545	5,922	6,298	6,674
Commercial	4,329	4,655	4,831	4,986	5,153	5,311	5,459	5,596	5,720
ADNOC Offshore					453	688	987	1,042	1,051
Industry	1,145	1,350	1,443	1,528	1,894	2,147	2,466	2,533	2,593
Auxiliaries	1,301	1,327	1,407	1,396	1,341	1,335	1,327	1,254	1,182
System	12,100	12,977	13,787	14,644	16,058	17,269	18,732	19,376	19,948
Exports	3,914	3,938	3,623	3,706	3,989	4,059	3,630	3,702	3,777
Global Demand	16,393	17,306	17,788	18,762	20,494	21,781	22,846	23,587	24,256

توقعات الطلب القصوى على الكهرباء (ميجاوات)

Electricity Peak Demand Forecast (Gross MW)



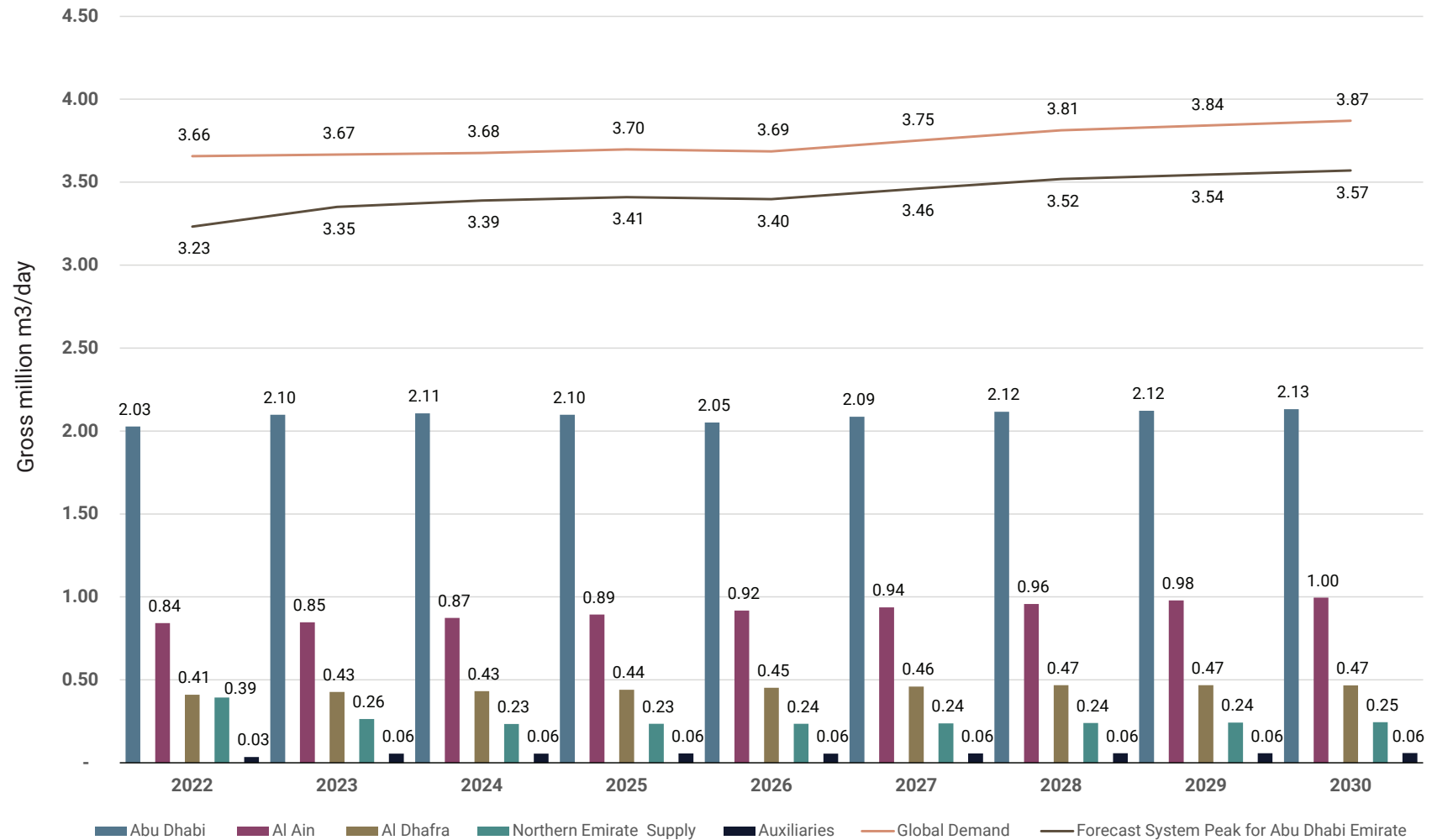
توقعات الطلب القصوى على المياه (الاجمالي مليون متر مكعب)

Water Peak Demand Forecast (Gross million m3)

Diversified Regional Gross Demand (losses included)	2022	2023	2024	2025	2026	2027	2028	2029	2030
Abu Dhabi	2.03	2.10	2.11	2.10	2.05	2.09	2.12	2.12	2.13
Al Ain	0.84	0.85	0.87	0.89	0.92	0.94	0.96	0.98	1.00
Al Dhafra	0.41	0.43	0.43	0.44	0.45	0.46	0.47	0.47	0.47
Forecast Sum of Regional Peaks	3.28	3.37	3.41	3.43	3.42	3.48	3.54	3.57	3.59
Forecast System Peak for Abu Dhabi Emirate	3.23	3.35	3.39	3.41	3.40	3.46	3.52	3.54	3.57
Regional Diversity Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Abu Dhabi Emirate Auxiliaries	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Emirate of Abu Dhabi System Peak + Auxiliaries	3.26	3.40	3.44	3.46	3.45	3.51	3.57	3.60	3.62
Farms in Northern Emirates (ADDC)	0.02	0.02							
Sector Totals including losses (Diversified)	2022	2023	2024	2025	2026	2027	2028	2029	2030
Domestic	0.98	0.99	1.00	1.03	1.06	1.09	1.11	1.13	1.15
Villas, Shabia, TH Irrigation	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41
Bulk Irrigation Including Farms	1.58	1.69	1.69	1.67	1.60	1.60	1.61	1.61	1.60
Industrial	0.18	0.19	0.21	0.23	0.26	0.28	0.30	0.32	0.33
District Cooling	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08
Total Peak Sectoral Demands (Diversified)	-	-	-	-	-	-	-	-	-
Total System Peak (Resultant after superimposing individual Peaks)	3.22	3.35	3.39	3.41	3.40	3.46	3.52	3.54	3.57
Total of Sectoral Demands + Auxiliaries	3.23	3.35	3.39	3.41	3.40	3.46	3.52	3.54	3.57
EWEK Supplies to the Northern Emirates	2022	2023	2024	2025	2026	2027	2028	2029	2030
Total Etihad WE	0.27	0.15	0.13	0.13	0.13	0.13	0.13	0.13	0.14
Total SEWA	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Total FEC	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total DEWA	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
"Total Northern Emirates Exports Including Losses (Excluding Auxiliaries)"	0.39	0.26	0.23	0.23	0.23	0.23	0.24	0.24	0.24
Total Northern Emirates Auxiliaries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Northern Emirates Supply (Including Auxiliaries & Losses)	0.39	0.26	0.23	0.23	0.24	0.24	0.24	0.24	0.25
Total Auxiliaries	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Global Demand	3.66	3.67	3.68	3.70	3.69	3.75	3.81	3.84	3.87

الطلب العالمي على المياه (الاجمالي مليون متر مكعب)

Water Global Demand (Gross million m3/day)



المصطلحات

Glossary

AA	Al Ain	منطقة العين
AADC	Al Ain Distribution Company	شركة العين للتوزيع
AAPS	Al Ain Power Station	محطة العين للطاقة
ADPower	Abu Dhabi Power Corporation	مؤسسة أبوظبي للطاقة
ADWEC	Abu Dhabi Water and Electricity Company	شركة مياه وكهرباء أبوظبي
ADDC	Abu Dhabi Distribution Company	شركة أبوظبي للتوزيع
ADH	Abu Dhabi	أبوظبي
ADNOC	Abu Dhabi National Oil Company	شركة أبوظبي الوطنية للبترول
ADPS	Abu Dhabi Power Station	محطة أبوظبي للطاقة
AIN	Al Ain Power Station	محطة العين للطاقة
AMPC	Al Mirfa Power Company	محطة المرفأ للطاقة
APC	Arabian Power Company	الشركة العربية للطاقة
ATPC	Al Taweelah Power Company	شركة الطويلة للطاقة
BOC	Barakah One Company	شركة براكه 1
BSCFT	Billion Standard Cubic Feet	مليار قدم مكعب قياسي
BPC	Bainounah Power Company	شركة بينونة للطاقة
BST	Bulk Supply Tariff	تعرفة التوريد بالجملة
BPST	Back Pressure Steam Turbine	توربين بخاري ذو ضغط ارتدادي
BST	Bulk Supply Tariff	تعرفة التوريد بالجملة
CCGT	Combined Cycle Cogeneration Plant	وحدة إنتاج كهرباء و مياه ذات دورة مزدوجة
CEST	Controlled Extractions Steam Turbine	توربين بخاري بمخارج
COD	Commercial Operation Date	تاريخ التشغيل التجاري
CO ₂	Carbon Dioxide	ثاني أكسيد الكربون
CSP	Concentrated Solar Power	الطاقة الشمسية المركزة
CST	Condensing Steam Turbine	توربين بخاري بمكثف
CY	Contract Year	سنة التعاقد
DE	Diesel Engine	محرك الديزل
DEL	Dolphin Energy Limited	دولفين المحدودة للطاقة
DEWA	Dubai Electricity & Water Authority	هيئة كهرباء ومياه دبي
DISCO	Distribution Company	شركات التوزيع "أبوظبي والعين"
DOE	Department of Energy	دائرة الطاقة
DSM	Demand Side Management	إدارة جانب الطلب
DSS	Desalination Security Standard	مقياس قدرة التحلية الإضافية
ECPC	Emirates CMS Power Company	شركة الإمارات سي إم إس للطاقة
EHR	Exhaust Heat Recovery Boiler (same as HRSG)	غلاية استرجاع حرارة الغاز العادم
EGA	Emirates Global Aluminum	الإمارات العالمية للألمنيوم
ENEC	Emirates Nuclear Energy Company	مؤسسة الإمارات للطاقة النووية
ENG	Emirates National Grid Project	مشروع الربط الكهربائي الوطني
ESWPC	Emirates SembCorp Water & Power Company	شركة الإمارات سيمكوب للماء والكهرباء
EWE	Ethad Water & Electricity	الاتحاد للماء والكهرباء
EWEC	Emirates Water & Electricity Company	شركة مياه وكهرباء الإمارات
FAPCO	Fujairah Asia Power Company	شركة الفجيرة آسيا للطاقة
F3	Fujairah Power Company F3	شركة الفجيرة للطاقة F3
FOR	Forced Outage Rate	نسبة انقطاع القدرة الإجمالية
GCCIA	Gulf Cooperation Council Interconnection Authority	مجلس التعاون الخليجي
GD	Generation & Desalination Company	شركة إنتاج الطاقة و التحلية
GSS	Generation Security Standard	مقياس قدرة التوليد الإضافية
GT	Gas Turbine	توربين غازي
GTEHR	Gas Turbine with HRSG / EHR Boiler	توربين غازي مع غلاية استرجاع حرارة الغاز العادم
GTS	Gas Turbine Station, at Mina	محطة التوربينات الغازية (الميناء)
GTSC	Gas Turbine, Simple Cycle or SCGT	توربين غازي ذو دورة بسيطة
GTTPC	Gulf Total Tractebel Power Company	شركة الخليج توتال تراكتبيل للطاقة
GWh	Giga Watt Hour	جيجاوات ساعة
HRSG	Heat Recovery Steam Generator (same as EHR)	غلاية استرجاع حرارة الغاز العادم
HTME	Horizontal Type Multi-effect Desalination Plant	وحدة تحلية بالتأثير المتبادل من النوع الأفقي
kWh	Kilo Watt Hour	كيلو وات ساعة
LDC	Load Dispatch Center	مركز نقل الأحمال
LOLE	Loss of Load Expectation	توقع فقدان الأحمال
MASDAR	Abu Dhabi Future Energy Company	شركة أبوظبي لطاقة المستقبل
MBTu	Million British Thermal Unit	مليون وحدة حرارية بريطانية

MED	Multi-effect Desalination	تحلية بالتأثير المتبادل
MIG	Million (Imperial) Gallons	مليون جالون إمبراطوري
MIGD	Million (Imperial) Gallons per Day	مليون جالون إمبراطوري في اليوم
Mln	Million	مليون
MRCC	Mirfa Combined Cycle Plant	وحدة الإنتاج ذات الدورة المزدوجة بالمرفأ
MRF	Al Mirfa Power Station	محطة المرفأ للطاقة
MIPCO	Mirfa International Power & Water Company	شركة المرفأ إنترناتيونال للماء والكهرباء
MSF	Multi-stage Flash Desalination	التحلية بالردأذ متعددة المراحل
MW	Mega Watt	ميغاوات
MZD	Madinat Zayed Power Station	محطة مدينة زايد للطاقة
NDC	Net Dependable Capacity	صافي القدرة المعتمدة
NE	Northern Emirates	الإمارات الشمالية
NG	Natural Gas	الغاز الطبيعي
OHSAS	Occupational Health and Safety Assessment Series	الصحة المهنية وسلسلة تقييم السلامة
O&M	Operation and Maintenance	التشغيل و الصيانة
OCGT	Open Cycle Gas Turbine (same as SCGT)	توربين بخاري ذو دورة مفتوحة (بسيطة)
OECD	Organization of Economic Cooperation for Development	منظمة التعاون الاقتصادي للتطور
OHL	Overhead Line	خط هوائي
P&D	Power & Desalination Plants / Station	مواقع / محطات الطاقة و التحلية
PCOD	Project Commercial Operation Date	تاريخ بدء التشغيل التجاري للمشروع
PPA	Power Purchase Agreement	اتفاقية شراء الطاقة
PS	Power Station or Pumping Station (related to context)	محطة طاقة أو محطة ضخ (حسب موقعها في الجملة)
PV	Photovoltaics	الخلايا الكهروضوئية
PWPA	Power & Water Purchase Agreement	اتفاقية شراء الكهرباء و الماء
PWR	Power to Water Ratio	نسبة الكهرباء للماء
RO	Reverse Osmosis	التناضح العكسي
RPC	Ruwais Power Company	شركة الرويس للطاقة
SAPCO	Shuweihat Asia Power Company	شركة الشويهات آسيا للطاقة
SEWA	Sharjah Electricity & Water Authority	هيئة كهرباء ومياه الشارقة
SFCR	Statement of Future capacity Requirements	بيان متطلبات السعة المستقبلية
SCGT	Simple Cycle Gas Turbine or GTSC	توربين غازي ذو دورة بسيطة
SCIPCO	Shuweihat CMS International Power Company	شركة الشويهات سي إم إس للطاقة
S1, S2, S3	Shuweihat S1 / S2 / S3 Station	المرحلة الأولى أو الثانية من محطة الشويهات
ST	Steam Turbine	توربين بخاري
STS	Steam Turbine Station at Mina	محطة التوربينات البخارية (الميناء)
Sweiha PV	Sweiha PV Power Company	شركة سويحان للطاقة الشمسية الكهروضوئية
SWRO	Sea Water Reverse Osmosis	تحلية مياه البحر بالتناضح العكسي
TA1	Taweelah A Extension, GTTPC	توسعة محطة الطويلة T1 - (جي تي بي سي)
TAKREER	Abu Dhabi Oil Refining Company	شركة أبوظبي لتكرير النفط (تكرير)
TAPCO	Taweelah Asia Power Company	شركة الطويلة آسيا للطاقة
TAQA	Abu Dhabi National Energy Company "TAQA"	شركة أبوظبي الوطنية للطاقة "طاقة"
TAW	Taweelah	الطويلة
TAW A1	Taweelah A Power Station	محطة الطويلة A للطاقة
Taw B1, TWB	Taweelah B Power Station	محطة الطويلة B للطاقة
Taw B2, TB2	Taweelah B2 Power Station	محطة الطويلة B2 للطاقة
TDC	Taweelah RO Desalination Company	محطة الطويلة للتناضح العكسي
TIG	Thousand Imperial Gallons	ألف جالون إمبراطوري
TRANSCO	Transmission & Dispatch Company	شركة أبوظبي للنقل و التحكم (ترانسكو)
UAE	United Arab Emirates	الإمارات العربية المتحدة
UAN-WPP	Umm Al Nar - Independent Water & Power Producer	المنتج المستقل للماء و الكهرباء - أم النار
UAN PC	Umm Al Nar Power Company or UNPC	شركة أم النار للطاقة
UNE-A, UEA	Umm Al Nar East a Power Station	محطة كهرباء أم النار A شرق
UNE-B, UEB	Umm Al Nar East B Power Station	محطة كهرباء أم النار B شرق
UNW	Umm Al Nar West Power Station	محطة كهرباء أم النار B شرق
UNW1-6, UW1	Umm Al Nar West 1 - 6 Power Station	محطة كهرباء أم النار غرب الوحدات 1-6
UNW7-8, UW7	Umm Al Nar West 7 & 8 Power Station	محطة كهرباء أم النار غرب الوحدات 7-8
UNW9-10, UW9	Umm Al Nar West 9 & 10 Power Station	محطة كهرباء أم النار غرب الوحدات 9-10
UNW-B	Umm Al Nar West B Desalination Plant	محطة أم النار B غرب للتحلية
UWEC	Union Water & Electricity Company	شركة الاتحاد للماء و الكهرباء

خريطة موقع شركة مياه وكهرباء الإمارات

EWEC's Location Map





