

قدرة الإنتاج الإجمالية (ميجاوات) في ٣١ ديسمبر من كل عام

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

Year	BPC					UANPC*							ATPC			TAPCO ***			AMPC			ECPC	GTPC	SCIPCO	APC*	ESWPC**	System	
	GTS	STS	TWA #	AIN	Total	UEA	UEB	UW1	UW7	UW9	BYS	Total	TWB	TWB2	Total	TWB	TWB2	Total	MRF	MZD	Total	TA2	TA1	S1				
1998	392	128	255	426	1,201	120	130	360	300	100	108	1,118	732		732				192	100	292							3,343
1999	392	128	255	426	1,201	120	130	360	300	100	108	1,118	732	194	926				192	100	292							3,537
2000	392	120	255	428	1,195	120	130	360	320	150	108	1,188	732	337	1,069				196	113	309	555						4,316
2001	392	120		428	940	120	130	360	300	130	108	1,148	732	337	1,069				191	109	299	777	266					4,499
2002	392	120		428	940	118	130	360	300	130	108	1,146	738	337	1,075				186	109	295	777	1,014					5,246
2003	391	120		428	939								738	337	1,075				186	109	295	777	1,407			1,038		5,530
2004	391	120		428	939								738	337	1,075				186	109	295	777	1,431	1,610		1,038		7,164
2005	359	120		428	907											825	359	1,184	186	109	295	777	1,431	1,610	1,038	641		7,882
2006	239	120		352	711											878	350	1,228	186	109	295	762	1,416	1,585	1,674	641		8,312
2007																881	351	1,232	186	109	295	763	1,415	1,577	2,444	641		8,367

Taweelah A converted to Taweelah A1 IWPP in Sep 2000

* UANPC converted to Arabian Power Company (APC) IWPP in July 2003

** UWEC included as ADWEA group plant as of January 2006 & was taken over by Emirates Sembcorp Water and Power Company (ESWPC).

*** ATPC converted to Taweelah Asia Power Company (TAPCO) IWPP in April 2005

See Glossary for Station & Company Abbreviations

قدرة التحلية الإجمالية (مليون جالون/يوم) في ٣١ ديسمبر من كل عام

Desalination Capacity (Gross MGD) at 31st December (Dependable Capacity)

Year	BPC				UANPC *							ATPC ***			TAPCO			AMPC	ECPC	GTTPC	SCIPCO	APC	Fujairah	ADWEA System	
	GTS	STS	TWA #	Total	UEA	UEB	UW1	UW7	UW9	UNWB	Total	TWB	TB2	Total	TWB	TB2	Total	MRF	TA2	TA1	S1	UAN			
1998		12.0	28.0	40.0	15.0	21.0	24.0	20.0			80.0	76.2		76.2				16.2							212.4
1999		15.1	29.2	44.3	19.2	22.5	27.6	25.6			94.9	72.0		72.0				16.2							227.4
2000		15.1	29.2	44.3	19.2	22.5	27.6	25.6	7.0		101.9	72.0	23.1	95.1				16.2							257.5
2001		15.1		15.1	19.2	22.5	27.6	25.6	7.0		101.9	72.0	23.1	95.1				31.2	50.6	30.8					324.7
2002		15.1		15.1	19.2	22.5	27.6	25.6	7.0	63.3	165.2	71.8	23.1	94.9				38.7	50.6	84.8					449.3
2003		15.1		15.1								71.8	23.1	94.9				38.7	50.6	84.8			165.2		449.3
2004		15.1		15.1								71.8	23.1	94.9				38.7	50.6	84.8	101.0	165.2			550.3
2005		15.1		15.1										71.8	23.1	94.9	38.7	50.6	84.8	101.0	165.2	101.5			651.8
2006		15.1		15.1										69.6	23.1	92.7	38.7	50.6	84.8	101.0	183.7	101.5			668.1
2007		15.1		15.1										69.6	23.1	92.7	38.7	50.6	84.8	101.0	144.8	101.5			629.2

Taweelah A converted to Taweelah A1 IWPP in September 2000

* UANPC converted to Arabian Power Company (APC) IWPP in July 2003

** For 2002 & 2003 including Isolated Production gives a total capacity of 460.7 MGD

*** ATPC converted to TAPCO IWPP in April 2000

UWEC became an ADWEA-owned plant in 2005

See Glossary for Station & Company Abbreviations

قدرة الإنتاج حسب نوع المولدات (ميجاوات) ١٩٩٨ - ٢٠٠٢

Generation Capacity by Technology (Gross MW) 1998 - 2002 (Dependable Capacity)

Company	Station	1998				1999				2000				2001				2002			
		Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total
BPC	Abu Dhabi Gas Turbines		392		392		392		392		392		392		392		392		392		392
	Abu Dhabi Steam Turbines			128	128			128	128			120	120			120	120			120	120
	Taweelah A *		255		255		255		255												
	Al Ain	76	350		426	76	350		426	76	352		428	76	352		428	76	352		428
	BPC Total	76	997	128	1,201	76	997	128	1,201	76	744	120	940	76	744	120	940	76	744	120	940
UANPC**	Umm Al Nar East A		120		120		120		120		120		120		120		120		118		118
	Umm Al Nar East B		130		130		130		130		130		130		130		130		130		130
	Umm Al Nar West 1 - 6			360	360			360	360			360	360			360	360			360	360
	Umm Al Nar West 7 - 8			300	300			300	300			320	320			300	300			300	300
	Umm Al Nar West 9 - 10			100	100			100	100			150	150			130	130			130	130
	Baniyas		108		108		108		108		108		108		108		108		108		108
	UANPC Total		358	760	1,118		358	760	1,118		358	830	1,188		358	790	1,148		356	790	1,146
ATPC	Taweelah B			732	732			732	732			732	732			732	732			738	738
	Taweelah B2						194	194	194		194	143	337		194	143	337		194	143	337
	ATPC Total			732	732		194	732	926		194	875	1,069		194	875	1,069		194	881	1,075
AMPC	Al Mirfa		192		192		192		192		196		196		191		191		186		186
	Madinat Zayed		100		100		100		100		113		113		109		109		109		109
	AMPC Total		292		292		292		292		309		309		299		299		295		295
ECPC	Taweelah A2										555		555		555	222	777		555	222	777
	ECPC Total										555		555		555	222	777		555	222	777
GTTPC	Taweelah A1										255		255		266		266		608	405	1,014
	GTTPC Total										255		255		266		266		608	405	1,014
SCIPCO	S1																				
	SCIPCO Total																				
APC	Umm Al Nar																				
	APC Total																				
	Total	76	1,647	1,620	3,343	76	1,841	1,620	3,537	76	2,415	1,825	4,316	76	2,416	2,007	4,499	76	2,752	2,418	5,246

* Taweelah A converted to Taweelah A1 IWPP in Sep 2000

** UANPC converted to Arabian Power Company (APC) IWPP in July 2003

قدرة الإنتاج حسب نوع المولدات (ميجاوات) ٢٠٠٣ - ٢٠٠٧

Generation Capacity by Technology (Gross MW) 2003 - 2007 (Dependable Capacity)

Company	Station	2003				2004				2005				2006				2007				
		Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total	Diesel Engine	Gas Turbine	Steam Turbine	Total	
BPC	Abu Dhabi Gas Turbines		391		391		391		391		359		359		239		239					
	Abu Dhabi Steam Turbines			120	120			120	120			120	120			120	120					
	Taweelah A *																					
	Al Ain	76	352		428	76	352		428	76	352		428		352		352					
	BPC Total	76	743	120	939	76	743	120	939	76	711	120	907		591	120	711					
ATPC	Taweelah B			738	738			738	738													
	Taweelah B2		194	143	337		194	143	337													
	ATPC Total		194	881	1,075		194	881	1,075													
TAPCO	Taweelah B										825	825			878	878						
	Taweelah B2									216	143	359		207	143	350		208	143	351		
	ATPC Total									216	968	1,184		207	1,021	1,228		208	1,024	1,232		
AMPC	Al Mirfa		186		186		186		186		186		186		186		186		186		186	
	Madinat Zayed		109		109		109		109		109		109		109		109		109		109	
	AMPC Total		295		295		295		295		295		295		295		295		295		295	
ECPC	Taweelah A2		555	222	777		555	222	777		555	222	777		541	221	762		542	221	763	
	ECPC Total		555	222	777		555	222	777		555	222	777		541	221	762		542	221	763	
GTTPC	Taweelah A1		799	608	1,407		823	608	1,431		823	608	1,431		814	602	1,416		813	602	1,415	
	GTTPC Total		799	608	1,407		823	608	1,431		823	608	1,431		814	602	1,416		813	602	1,415	
SCIPCO	S1						1,107	503	1,610		1,107	503	1,610		1,084	501	1,585		1,078	499	1,577	
	SCIPCO Total						1,107	503	1,610		1,107	503	1,610		1,084	501	1,585		1,078	499	1,577	
APC	Umm Al Nar		248	790	1,038		248	790	1,038		248	790	1,038		884	790	1,674		1,176	1,268	2,444	
	APC Total		248	790	1,038		248	790	1,038		248	790	1,038		884	790	1,674		1,176	1,268	2,444	
Fujairah IWPP	Fujairah IWPP										407	234	641		407	234	641		407	234	641	
	Fujairah Total										407	234	641		407	234	641		407	234	641	
Total		76	2,833	2,621	5,530	76	3,964	3,124	7,164	76	4,361	3,445	7,882		4,823	3,489	8,312		4,519	3,848	8,367	

* Taweelah A converted to Taweelah A1 IWPP in Sep 2000

** UANPC converted to Arabian Power Company (APC) IWPP in July 2003

قدرة التحلية حسب أسلوب التحلية ١٩٩٨ - ٢٠٠٢ (مليون جالون/يوم)

Desalination Capacity by Technology (Gross MGD) 1998 - 2002 (Dependable Capacity)

Company	Station	1998				1999				2000				2001				2002			
		MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total
BPC	Abu Dhabi Steam Turbines	12			12	15			15	15			15	15			15	15			15
	Taweelah A *	28			28	29			29	29			29								
	BPC Total	40			40	44			44	44			44	15			15	15			15
UANPC**	Umm Al Nar East A	15			15	19			19	19			19				19				19
	Umm Al Nar East B	21			21	23			23	23			23				23				23
	Umm Al Nar West 1 - 6	24			24	28			28	28			28				28				28
	Umm Al Nar West 7 - 8	20			20	26			26	26			26				26				26
	Umm Al Nar West 9 - 10										7		7		7		7		7		7
	Umm Al Nar B																63				63
UANPC Total	80			80	95			95	95	7		102	95	7		102	158	7		165	
ATPC	Taweelah B	76			76	72			72	72			72				72				72
	Taweelah B2									23		23				23					23
	ATPC Total	76			76	72			72	95		95	95			95	95				95
AMPC	Al Mirfa	16			16	16			16	16			16	31			31	39			39
	AMPC Total	16			16	16			16	16			16	31			31	39			39
ECPC	Taweelah A2													51			51	51			51
	ECPC Total													51			51	51			51
GTTPC	Taweelah A1													31			31	32	53		85
	GTTPC Total													31			31	32	53		85
SCIPCO	S1																				
	SCIPCO Total																				
APC	Umm Al Nar																				
	APC Total																				
Total		212			212	227			227	251	7		258	318	7		325	390	60		449

قدرة التحلية حسب أسلوب التحلية ٢٠٠٣ - ٢٠٠٧ (مليون جالون/يوم)

Desalination Capacity by Technology (Gross MGD) 2003-2007 (Dependable Capacity)

Company	Station	2003				2004				2005				2006				2007			
		MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total	MSF	MED	RO	Total
BPC	Abu Dhabi Steam Turbines	15			15	15			15	15			15	15			15	15			15
	Taweelah A *																				
	BPC Total	15			15	15			15	15			15	15			15	15			15
ATPC	Taweelah B	72			72	72			72												
	Taweelah B2	23			23	23			23												
	ATPC Total	95			95	95			95												
TAPCO	Taweelah B								72			72	70			70	70				70
	Taweelah B2								23			23	23			23	23				23
	TAPCO Total								95			95	93			93	93				93
AMPC	Al Mirfa	39			39	39			39			39	39			39	39				39
	AMPC Total	39			39	39			39			39	39			39	39				39
ECPC	Taweelah A2	51			51	51			51			51	51			51	51				51
	ECPC Total	51			51	51			51			51	51			51	51				51
GTTPC	Taweelah A1	32	53		85	32	53		85	32	53		85	32	53		85	32	53		85
	GTTPC Total	32	53		85	32	53		85	32	53		85	32	53		85	32	53		85
SCIPCO	S1					101			101	101			101	101			101	101			101
	SCIPCO Total					101			101	101			101	101			101	101			101
APC	Umm Al Nar	158	7		165	158	7		165	158	7		165	177	7		184	138	7		145
	APC Total	158	7		165	158	7		165	158	7		165	177	7		184	138	7		145
Fujairah IWPP	Fujairah IWPP									64		38	102	64		38	102	64		38	102
	Fujairah Total									64	0	38	102	64	0	38	102	64	0	38	102
Total		389	60		449	490	60		550	554	60	38	652	571	60	38	668	532	60	38	629

* Taweelah A converted to Taweelah A1 IWPP in Sep 2000

** UANPC converted to Arabian Power Company (APC) IWPP in July 2003

مقارنة (في ٣١ ديسمبر من كل عام) ما بين قدرة الإنتاج الكهربائي لشركات الإنتاج التابعة للهيئة و الشركات المخصصة (ميجاوات)

IWPP v Non-IWPP Generation Capacity (Gross MW) (Dependable Capacity at 31st December)

	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bainounah Power Company (BPC) *	1,201	1,195	940	940	939	939	907	711	0
Umm Al Nar Power Company (UANPC) **	1,118	1,188	1,148	1,146					
Al Taweelah Power Company	926	1,069	1,069	1,075	1,075	1,075	1,184		
Al Mirfa Power Company	292	309	299	295	295	295	295	295	295
Union Water and Electricity Company (UWEC)							641		
Non - IWPP	3,537	3,761	3,456	3,456	2,309	2,309	3,027	1,006	295
% Non - IWPP	100%	87%	77%	66%	42%	32%	38%	12%	4%
Emirates CMS Power Company (ECPC)		555	777	777	777	777	777	762	763
Gulf Total Tractebel Company (GTTPC)			266	1,014	1,407	1,431	1,431	1,416	1,415
Shuweihat CMS International Power Company (SCIPCO)						1,610	1,610	1,585	1,577
Arabian Power Company (APC)					1,038	1,038	1,038	1,674	2,444
Taweelah Asia Power Company (TAPCO) ***								1,228	1,232
Sembcorp								641	641
IWPP	0	555	1,043	1,791	3,222	4,856	4,856	7,306	8,072
% IWPP	0%	13%	23%	34%	58%	68%	62%	88%	96%
SYSTEM	3,537	4,316	4,499	5,246	5,530	7,164	7,882	8,312	8,367

* Taweelah A converted to Taweelah A1 IWPP in September 2000

** UANPC converted to Arabian Power Company (APC) IWPP in July 2003

*** ATPC converted to TAPCO in April 2005

مقارنة (في ٣١ ديسمبر من كل عام) ما بين قدرة التحلية لشركات الإنتاج التابعة للهيئة و الشركات المخصصة (مليون جالون/يوم)

IWPP v Non-IWPP Desalination Capacity (Gross MGD) (Dependable Capacity at 31st December)

	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bainounah Power Company (BPC) *	44.3	44.3	15.1	15.1	15.1	15.1	15.1	15.1	15.1
Umm Al Nar Power Company (UANPC) **	94.9	101.9	101.9	165.2					
Al Taweelah Power Company	72.0	95.1	95.1	94.9	94.9	94.9	94.9		
Al Mirfa Power Company	16.2	16.2	31.2	38.7	38.7	38.7	38.7	38.7	38.7
Union Water and Electricity Company (UWEC)***							101.5		
Non - IWPP	227.4	257.5	243.3	313.9	148.7	148.7	250.2	53.8	53.8
% Non - IWPP	100%	100%	75%	70%	33%	23%	38%	8%	9%
Emirates CMS Power Company (ECPC)			50.6	50.6	50.6	50.6	50.6	50.6	50.6
Gulf Total Tractebel Company (GTTPC)			30.8	84.8	84.8	84.8	84.8	84.8	84.8
Shuweihat CMS International Power Company (SCIPCO)						101.0	101.0	101.0	101.0
Arabian Power Company (APC)					165.2	165.2	165.2	183.7	144.9
Union Water and Electricity Company (UWEC)***						90.0		101.5	101.5
Taweelah Asia Power Company (TAPCO)								92.7	92.7
IWPP	0	0	81.4	135.4	300.6	491.6	401.6	614.3	575.5
% IWPP	0%	0%	25%	30%	67%	77%	62%	92%	91%
SYSTEM	227.4	257.5	324.7	449.3	449.3	640.3	651.8	668.1	629.3

* Taweelah A converted to Taweelah A1 IWPP in September 2000

** UANPC converted to Arabian Power Company (APC) IWPP in July 2003

*** UWEC became part of ADWEA group in 2005. data shows capacity allocated to Abu Dhabi.