

16. UTILITIES

16.01 Electricity Production in Grand Cayman

Year	Capacity (Mws)	Production (Mwhrs)	Consumption (Mwhrs)			All	Percent Change
			Domestic	Industrial Commercial	Public Lighting		
1992	71.3	242,458	123,933	91,485	2,393	217,811	4.8
1993	71.3	262,817	124,909	103,034	2,470	230,413	5.8
1994	71.3	284,047	129,645	119,121	2,796	251,562	9.2
1995	73.7	297,374	118,077	147,526	3,289	268,892	6.9
1996	71.8	309,717	124,580	153,756	3,113	281,449	4.7
1997	88.4	347,766	140,344	168,662	3,286	312,292	11.0
1998	97.2	381,121	158,877	181,293	3,293	343,463	10.0
1999	94.8	390,370	168,153	191,527	3,322	363,002	5.7
2000	115.1	426,465	179,451	203,122	3,409	385,982	6.3
2001	115.1	449,300	189,667	213,880	3,502	407,049	5.5
2002	115.1	466,136	200,389	221,005	4,238	425,632	4.6
2003	123.1	489,693	211,237	228,498	4,533	444,268	4.4
2004	123.1*	433,379	183,142	191,521	4,069	378,732	-14.8
2005	106.8	453,841	200,330	222,434	5,020	427,784	13.0

Source: Caribbean Utilities Co. Ltd., Grand Cayman

16.02 Electricity Production in the Sister Islands

Year	<i>Thousands kWhrs</i>		
	Cayman Brac	Little Cayman	Total
1992	7,322	416	7,738
1993	7,346	698	8,044
1994	8,096	1,211	9,307
1995	7,625	1,564	9,189
1996	8,427	1,848	10,275
1997	9,942	2,196	12,138
1998	10,980	2,510	13,490
1999	11,366	2,780	14,147
2000	11,573	2,842	14,414
2001	12,638	2,914	15,552
2002	12,896	3,090	15,986
2003	13,681	2,950	16,631
2004	14,097	3,054	17,151
2005	15,244	3,238	18,482

Note

* Firm capacity at year end was 95.43 mw because of Ivan.

Source: Cayman Brac Light & Power, Cayman Brac

16.03 Water Supply in Grand Cayman

	<i>US Million Gallons</i>											
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Desalinated Water												
Cayman Water Company	230.3	264.4	278.8	323.0	355.2	361.9	402.2	496.5	537.1	562.0	612.6	628.6
Water Authority	287.7	326.0	349.7	403.0	448.8	507.4	577.2	595.2	605.4	630.5	670.8	736.0
Ground Water												
Lower Valley ¹	2.5								
East End	2.2	2.5	2.5	4.7	4.9	5.0	7.1	5.7	5.4	5.4	7.9	7.0
All Potable Water	522.7	592.9	631.0	730.7	808.9	874.3	986.5	1,097.4	1,147.9	1,197.9	1,291.3	1,371.6
Distributed by												
Pipeline	505.7	577.6	619.7	711.5	793.5	862.8	964.6	1,075.0	1,123.9	1,178.5	1,261.8	1349.5
Truck	17.0	15.4	11.3	19.2	15.5	11.5	21.8	22.4	24.0	19.4	29.5	23.1
Non-Potable Water												
Cayman Water Company	47.0	47.5	49.6	52.9	38.9	39.5	48.7	52.2	-	35.7	31.7	28.6

16.04 Water Supply in Cayman Brac

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Distributed by												
Pipeline	6.9	8.2	8.7	8.6	9.8	11.6	10.6	11.3	9.6	11.1	12.5	14.3
Truck	1.7	2.1	2.0	3.6	4.8	5.3	6.5	6.6	7.1	6.9	11.1	9.6
Total	8.6	10.3	10.7	12.2	14.6	16.9	17.1	17.9	16.7	18.0	23.6	23.9

Note

¹ Lower Valley reservoir was de-commissioned in 1995.
Water supply on Little Cayman in 1997 was 2.11 US Million Gallons

Source: Water Authority and Cayman Water Company

16.05 Desalinated Water Consumption by Consumer Group

	<i>US Million Gallons</i>											
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Water Authority Users												
Single Residential	170.1	189.2	214.9	250.3	286.1	329.7	373.7	391.8	409.1	427.8	457.2	533.7
Multi-Residential	25.2	26.7	25.6	26.0	26.2	25.8	24.0	24.5	23.2	23.9	20.7	14.5
Commercial & Industrial	57.4	74.9	79.2	85.3	96.6	113.1	126.5	128.1	122.5	125.5	132.2	138.3
Public Authority	24.9	24.4	22.3	28.2	31.0	33.0	38.9	34.6	33.3	40.0	39.1	33.4
Truckers	10.1	10.8	7.7	13.2	8.9	5.8	14.1	16.2	17.3	13.3	21.6	16.1
Total	287.7	326.0	349.7	403.0	448.8	507.4	577.2	595.2	605.4	630.5	670.8	736.0
Cayman Water Co.												
Residential	30.5	40.7	60.3	72.4	80.2	86.7	97.8	104.0	103.7	107.5	122.7	157.9
Commercial/Industrial	198.3	220.4	214.4	245.3	269.0	268.8	296.8	305.9	295.7	393.1	419.9	370.3
Irrigation	47.0	47.5	49.6	52.9	38.9	39.5	48.5	52.2	39.0	35.7	31.7	28.6
Public Authority	3.0	1.1	3.1	4.9	10.8	5.7	7.6	11.4	11.0	6.2	7.6	8.9
Truckers	2.2	2.0	1.1	1.3	1.7	0.7	0.6	0.5	1.3	0.7	0.0	-
Total	281.0	311.6	328.5	376.8	400.6	401.4	451.3	474.0	450.7	543.2	581.9	565.7

16.06 Trucked Water By Source

	<i>US Million Gallons</i>											
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Reservoirs												
Cayman Water Company	2.2	2.0	1.1	1.3	1.7	0.6	0.6	0.5	1.3	0.7	-	-
Lower Valley	2.5	De-commissioned										
East End	2.2	2.5	2.5	4.7	4.9	5.1	7.1	5.7	5.4	5.4	7.9	7.0
Red Gate Water Works	10.1	10.8	7.7	13.2	8.9	5.8	14.1	16.2	17.3	13.3	21.6	16.1
Walkers Road	-	0.1	-	-	-	-	-	-	-	-	-	-
Total	17.0	15.4	11.3	19.2	15.5	11.5	21.8	22.4	24.0	19.4	29.5	23.1

16.07 Sewage

	<i>US Million Gallons</i>											
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Grand Cayman												
Sewage treated	283.8	267.3	321.5	312.4	394.7	421.4	440.0	450.0	494.2	534.5	508.0	474.4
Septage	1.9	2.2	2.9	3.4	3.2	3.8	3.9	3.1	3.9	3.9	5.5	6.6
Number of connections	260	265	259	259	258	263	276	281	282	290	265	280

Source: Water Authority and Cayman Water Company