

## 16. UTILITIES

**16.01 Electricity Production in Grand Cayman, 1996 - 2007**

Year	Capacity (Mws)	Production (Mwhrs)	Consumption (Mwhrs)			Total	Percent Change
			Domestic	Industrial Commercial	Public Lighting		
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*	95.4	433,379	183,142	191,521	4,069	378,732	-14.8
2005	106.8	463,158	200,330	222,434	5,020	427,784	13.0
2006	120.6	535,692	228,160	258,034	5,287	491,481	14.9
2007	136.6	584,370	249,426	279,424	5,391	534,241	8.7

**Note:**

\*Decline in capacity in 2004 was due to Hurricane Ivan.

Source: Caribbean Utilities Co. Ltd., Grand Cayman

**16.02 Electricity Production in the Sister Islands, 1996 - 2007**

Year	<i>Thousands kwhrs</i>		
	Cayman Brac	Little Cayman	Total
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
2006*	15,815	3,485	19,300
2007*	15,707	3,617	19,324

\* Relates to electricity sales and not production

Source: Cayman Brac Light & Power, Cayman Brac

## 16.03

## Water Supply in Grand Cayman, 1998 - 2007

	<i>Million US Gallons</i>									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Desalinated Water</b>										
Cayman Water Company	355.2	361.9	402.2	496.5	537.1	562.0	612.6	628.6	821.4	860.7
Water Authority	448.7	507.6	578.3	593.9	601.8	630.4	668.6	737.0	811.5	855.1
<b>Ground Water</b>										
East End	4.9	5.0	7.1	5.7	5.4	5.4	7.9	7.0	6.7	5.0
<b>All Potable Water</b>	<b>808.8</b>	<b>874.5</b>	<b>987.6</b>	<b>1,096.1</b>	<b>1,144.3</b>	<b>1,197.8</b>	<b>1,289.1</b>	<b>1,372.6</b>	<b>1,639.6</b>	<b>1,720.8</b>
<b>Distributed by</b>										
Pipeline	793.5	863	965.8	1,073.7	1,120.3	1,178.4	1,259.6	1349.5	1619.6	1,701.7
Truck	15.5	11.5	21.8	22.4	24.0	19.4	29.5	23.1	20.0	17.2
<b>Non-Potable Water</b>										
Cayman Water Company	38.9	39.5	48.7	52.2	-	35.7	31.7	28.6	51.9	37.8

## 16.04

## Water Supply in Cayman Brac, 1998 - 2007

	<i>Million US Gallons</i>									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Distributed by</b>										
Pipeline	9.8	11.6	10.6	11.3	9.6	11.1	12.5	14.3	15.9	13.6
Truck	4.8	5.3	6.5	6.6	7.1	6.9	11.1	9.6	9.8	11.8
<b>Total</b>	<b>14.6</b>	<b>16.9</b>	<b>17.1</b>	<b>17.9</b>	<b>16.7</b>	<b>18.0</b>	<b>23.6</b>	<b>23.9</b>	<b>25.7</b>	<b>25.4</b>

Source: Water Authority and Cayman Water Company

**16.05 Desalinated Water Consumption by Consumer Group, 1998 - 2007**

	<i>Million US Gallons</i>									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Water Authority Users</b>										
Single Residential	286.1	329.7	373.7	392.8	409.4	427.8	455.9	533.7	589.2	623.3
Multi-Residential	26.2	25.8	24.0	24.5	23.2	23.9	20.7	14.5	15.7	18.6
Commercial & Industrial	96.6	113.1	126.5	128.4	122.7	125.5	132.1	136.3	149.2	149.0
Public Authority	31.0	33.0	38.8	34.5	33.4	40.0	38.8	36.4	44.0	52.0
Truckers	8.9	5.8	15.2	13.7	13.2	13.2	21.1	16.1	13.3	12.2
<b>Total</b>	<b>448.8</b>	<b>507.4</b>	<b>578.2</b>	<b>593.9</b>	<b>601.9</b>	<b>630.4</b>	<b>668.6</b>	<b>737.0</b>	<b>811.4</b>	<b>855.1</b>
<b>Cayman Water Co.</b>										
Residential	80.2	86.7	97.8	104.0	103.7	107.5	122.7	157.9	173.7	202.9
Commercial/industrial	269.0	268.8	296.8	305.9	295.7	393.1	419.9	370.3	510.8	516.2
Irrigation	38.9	39.5	48.5	52.2	39.0	35.7	31.7	28.6	51.9	37.8
Public Authority	10.8	5.7	7.6	11.4	11.0	6.2	7.6	8.9	12.8	45.7
Truckers	1.7	0.7	0.6	0.5	1.3	0.7	0.0	0.0	0.0	-
<b>Total</b>	<b>400.6</b>	<b>401.4</b>	<b>451.3</b>	<b>474.0</b>	<b>450.7</b>	<b>543.2</b>	<b>581.9</b>	<b>565.7</b>	<b>749.2</b>	<b>802.6</b>

**16.06 Trucked Water By Source, 1998 - 2007**

	<i>Million US Gallons</i>									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Reservoirs</b>										
Cayman Water Company	1.7	0.6	0.6	0.5	1.3	0.7	-	-	-	-
East End	4.9	5.1	7.1	5.7	5.4	5.4	7.9	7.0	6.7	5.0
Red Gate Water Works	8.9	5.8	14.1	16.2	17.3	13.3	21.6	16.1	13.3	12.2
<b>Total</b>	<b>15.5</b>	<b>11.5</b>	<b>21.8</b>	<b>22.4</b>	<b>24.0</b>	<b>19.4</b>	<b>29.5</b>	<b>23.1</b>	<b>20.0</b>	<b>17.2</b>

**16.07 Sewage, 1998 - 2007**

<b>Grand Cayman</b>										
	<i>Million US Gallons</i>									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Sewage treated	394.7	421.4	440.0	450.0	494.2	534.5	508.0	474.4	582.1	650.8
Septage	3.2	3.8	3.9	3.1	3.9	3.9	5.5	6.6	7.0	8.5
Number of connections	258	263	276	281	282	290	265	280	311	301

Source: Water Authority and Cayman Water Company