

# Information On The Water Sector In Cape Verde



## 1- WATER PRODUCERS AND THEIR RESPECTIVE PRODUCTION AND TECHNOLOGY CAPACITIES

Producers	Production Capacity, m <sup>3</sup> / day (2015)	Technology used
Electra, S.A. Santiago (Praia) São Vicente Sal <b>Total</b>	17,080 6,600 4,400 28,080	- Water Bores (6 in Santiago) - Reverse osmosis (3 desalination plants)
Águas de Santiago	-	Water Bores and Springs
Águas e Energia de Boavista	4020	Desalination (Reverse Osmosis)
Águas de Ponta Preta	3000	Desalination (Reverse Osmosis)
Águas de Porto Novo	1000	Desalination (Reverse Osmosis)
Água Brava	DU	

DU - Data unavailable

## 2- WATER RATES IN FORCE

According to the Economic Regulatory Agency ARE, the entity responsible for setting energy rates, the following tariffs are currently in force:

**Table 1 - Water rate for Electra, SA**

(Effective 15 December 2016)

Bands	Rate Base, ECV	VAT (15%) ECV	Rate with VAT, ECV
<b>DOMESTIC</b>			
<= 6 m <sup>3</sup>	205.37	30.81	236.18
>6 and <= 10 m <sup>3</sup>	311.63	46.74	358.37
>10 m <sup>3</sup>	421.95	63.29	485.24
<b>INDUSTRY</b>	368.61	55.29	423.90
<b>TOURISM</b>			
Applicable to Hotels, Bed and Breakfasts and other similar establishments	483.54	72.53	556.07
<b>SOCIAL CHARACTER</b>			
Applicable to Hospitals, Public Plumbing and Non-Profit Social Associations	229.57	34.44	264.01

<b>TRADE AND SERVICES</b>			
<b>Applicable to Public Services, Embassies, Consular Services, Public and Private Commercial Establishments, Air and Maritime Navigation Companies, Warehouses</b>			
<b>&lt;=20 m<sup>3</sup></b>	385.78	57.87	443.65
<b>&gt;20 m<sup>3</sup></b>	453.52	68.03	521.55
<b>WATER TRUCKS I</b>			
<b>Applicable for supply by water trucks to Hospitals, Public Plumbing Facilities and Non-Profit Social Associations</b>	231.77	34.77	266.54
<b>WATER TRUCKS II</b>			
<b>Applicable for supply by water trucks for other uses</b>	401.62	60.24	461.86

Note:

VAT – Value added tax

ECV - Cape Verdean Escudos

**Table 2 - Water rates for AEB - Águas e Energia da Boavista (Boavista)**

(Effective 15 December 2016)

<b>Bands</b>	<b>Rate Base, ECV</b>	<b>VAT (15%) ECV</b>	<b>Rate with VAT, ECV</b>
<b>DOMESTIC</b>			
<b>&lt;= 6 m<sup>3</sup></b>	204.44	30.67	235.11
<b>&gt;6 and &lt;= 10 m<sup>3</sup></b>	310.70	46.61	357.31
<b>&gt;10 m<sup>3</sup></b>	421.03	63.15	484.19
<b>INDUSTRY</b>			
	367.69	55.15	422.84
<b>TOURISM</b>			
<b>Applicable to Hotels, Bed and Breakfasts and other similar establishments</b>	482.62	72.39	555.01
<b>SOCIAL CHARACTER</b>			
<b>Applicable to Hospitals, Public Plumbing and Non-Profit Social Associations</b>	228.64	34.30	262.94
<b>TRADE AND SERVICES</b>			
<b>Applicable to Public Services, Embassies, Consular Services, Public and Private Commercial Establishments, Air and</b>			

<b>Maritime Navigation Companies, Warehouses</b>			
<=20 m <sup>3</sup>	384.81	57.72	442.53
>20 m <sup>3</sup>	452.54	67.88	520.42
<b>WATER TRUCKS I</b>			
<b>Applicable for supply by water trucks to Hospitals, Public Plumbing Facilities and Non-Profit Social Associations</b>	230.84	34.63	265.47
<b>WATER TRUCKS II</b>			
<b>Applicable for supply by water trucks for other uses</b>	400.70	60.11	460.81

**Table 3 - Water Rates for Águas de Porto Novo (Municipality of Porto Novo – Santo Antão)**  
(Effective 01 July 2014)

<b>Bands</b>	<b>Rate Base, ECV</b>	<b>VAT (15%) ECV</b>	<b>Rate with VAT, ECV</b>
<b>DOMESTIC</b>			
<= 6 m <sup>3</sup>	245.20	36.78	281.98
>6 and <= 10 m <sup>3</sup>	359.86	53.98	413.84
>10 m <sup>3</sup>	478.9	71.84	550.74
<b>INDUSTRY</b>			
	421.36	63.2	484.56
<b>TOURISM</b>			
<b>Applicable to Hotels, Bed and Breakfasts and other similar establishments</b>	545.36	81.8	627.16
<b>SOCIAL CHARACTER</b>			
<b>Applicable to Hospitals, Public Plumbing and Non-Profit Social Associations</b>	271.31	40.7	312.01
<b>TRADE AND SERVICES</b>			
<b>Applicable to Public Services, Embassies, Consular Services, Public and Private Commercial Establishments, Air and Maritime Navigation Companies, Warehouses</b>			
<=20 m <sup>3</sup>	439.83	65.97	505.8
>20 m <sup>3</sup>	512.91	76.94	589.85
<b>WATER TRUCKS I</b>			
<b>Applicable for supply by water trucks to Hospitals, Public Plumbing Facilities and Non-Profit Social Associations</b>	273.69	41.05	314.74

<b>WATER TRUCKS II</b>			
<b>Applicable for supply by water trucks for other uses</b>	456.97	68.55	525.51

**Table 4 - Water Rates for AdS - Águas de Santiago (Santiago Island)**

(Effective 01 January 2017)

<b>Bands</b>	<b>Base Rate without VAT by Municipality, ECV</b>							
	SCA	SSM	SLO	TAR	CSM	SCZ	SDO	RGS
<b>DOMESTIC</b>								
<= 6 m <sup>3</sup>	146.67	146.67	133.33	170.00	220.00	220.00	220.00	253.00
>6 and <= 10 m <sup>3</sup>	220.00	220.00	186.67	240.00	280.00	340.00	286.67	354.00
>10 m <sup>3</sup>	358.33	358.33	291.67	438.33	405.00	385.00	385.00	453.0
<b>OFF-GRID DOMESTIC</b>								
Distribution by plumbing	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
Distribution by Water Trucks - Use by Public Utilities	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00
Distribution by water trucks - Other uses	475.00	475.00	475.00	475.00	475.00	475.00	475.00	475.00
<b>TOURISM</b>								
Applicable to Hotels, Bed and Breakfasts and other similar establishments	475.00	350.00	475.00	475.00	475.00	475.00	475.00	475.00
<b>INDUSTRY</b>	475.00	400.00	475.00	475.00	475.00	475.00	475.00	475.00
<b>TRADE AND SERVICES</b>								
<=20 m <sup>3</sup>	300.00	350.00	300.00	300.00	300.00	300.00	300.00	300.00
>20 m <sup>3</sup>	475.00	350.00	475.00	475.00	475.00	475.00	475.00	475.00
<b>FIXED RATE</b>								
<=20 mm	240	240	240	240	240	240	240	240
25 to 40 mm	480	480	480	480	480	480	480	480
50 mm	960	960	960	960	960	960	960	960
>50 mm	1200	1200	1200	1200	1200	1200	1200	1200
Local Authorities, Government, Public Institutions, Public Companies, NGOs, Schools	300.00	350.00	300.00	300.00	300.00	300.00	300.00	300.00

Note: SCA – Santa catarina; SSM – São Salvador do Mundo; SLO – São Lourenço dos Órgãos; TAR- Tarrafal; CSM – Calheta São Miguel; SCZ – Santa Cruz; SDO – São Domingos; RGS – Ribeira Grande de Santiago

### 3- QUANTITY OF WATER PRODUCED IN 2015

Producers	Island/Municipality	Average daily production, m3/day	Total Production, m3/year
<b>Electra, S.A.</b>	Santiago - Praia	Unavailable	3,916,068
	São Vicente	Unavailable	1,331,443
	Sal	Unavailable	994,515
	Total		6,242,026
<b>Águas de Santiago</b>	Tarrafal	932	375,724
	Santa Catarina	1,838	316,469
	Santa Cruz	1,224	10,929
	São Miguel		48,379
	São Salvador do Mundo	Unavailable	22,705
	São Lourenço dos Órgãos	86	48,595
	Ribeira Grande de Santiago	689	57,727
	S. Domingos	193	Unavailable
Total	Unavailable	880,528	
<b>Águas e Energia de Boavista</b>	Boavista	1958	No available data
<b>Águas de Ponta Preta</b>	Sal	2000	641,115
<b>Águas de Porto Novo</b>	Santo Antão - Porto Novo	547	210,191
<b>Águabrava</b>	Fogo - S. Filipe	No available data	No available data
	Fogo - Mosteiros		
	Brava		

Unavailable

DU - Data unavailable

#### 4- ESTIMATED WATER NEEDS FOR 2020

According to the document “National Vision for water, life and the environment in 2025” prepared by INGRH - National Institute of Water Resources Management, the needs for water resources for 2020 are the following:

##### I) Potable Water for the Local Population

	Urban	Rural	Total
<b>Population (2020 Forecast)</b>	494,396	248,921	743,317
<b>Consumption, litre/person/day</b>	150	(*)	
<b>Needs, m<sup>3</sup>/day</b>	74,159	10,579	<b>84,738</b>

(\*) 30 litres/person/day - For 75% of the population supplied through piped water

80 litres/person/day - For 25% of the population, supplied through a domestic water connections

##### II) Water for irrigation

Irrigated Area, ha	Consumption, m <sup>3</sup> /ha/day	Needs, m <sup>3</sup> /day
<b>5,000</b>	25	125,000

##### III) Water for Industry and Tourism

5, 000m<sup>3</sup>/day

##### IV) Administration and Services

10, 000m<sup>3</sup>/day