

# A D W E C

شركة أبوظبي للماء والكهرباء

Abu Dhabi Water & Electricity Company

## **Bulk Supply Tariff 2017**

*BST 2017*



شركة أبوظبي للماء والكهرباء  
Abu Dhabi Water & Electricity Company

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# ABU DHABI WATER AND ELECTRICITY COMPANY

## Bulk Supply Tariff 2017

### 1. Introduction

This Bulk Supply Tariff (BST) leaflet has been published by the Abu Dhabi Water and Electricity Company ("ADWEC") in accordance with the requirements of ADWEC's Licence (the "Licence") granted by the Regulation and Supervision Bureau (the "Bureau") pursuant to Article (82) of Law No (2) of 1998 Concerning the Regulation of the Water and Electricity Sector (the "Law").

For the purpose of this BST:

AED	means Dirhams, the lawful currency of the United Arab Emirates;
Bulk Supply Agreement	an agreement between ADWEC and the Purchaser, for the payment by the Purchaser of charges levied under this BST for the purchase of water and/or electricity;
Bureau	the Regulation and Supervision Bureau for the Water and Electricity Sector in the Emirate of Abu Dhabi constituted pursuant to the Law;
Back-Up Fuel (BUF) Levy Charge	an hourly rate expressed in fils/kWh or AED/TIG as the case may be, payable by each Purchaser for each unit as calculated pursuant to paragraph 5 of this leaflet.
Correction Factor	the difference for the period 1 January to 31 December of relevant year $t$ between the Regulated Electricity/Water Bulk Supply Revenue and the maximum allowed electricity/water revenue, net of Fuel Surcharge Component (FSC), for the provision of the bulk supplies of electricity and water and associated ancillary services to enable the supplies of electricity and water, respectively, to premises in the Emirate of Abu Dhabi for the period 1 January to 31 December of relevant year $t-1$ .
Day	the 24-hour period beginning and ending at 00:00 midnight United Arab Emirates Time;

Fuel Surcharge Component (FSC)	is a component, estimated on a quarterly basis subject to the Bureau's approval, to capture any undue or exceptional variation in fuel costs for that same relevant quarter;
High Peak Period Charge	an hourly rate expressed in fils/kWh or AED/TIG as the case may be, payable by each Purchaser pursuant to paragraph 4 of this leaflet and applicable from Jan to December inclusive;
IG	Imperial Gallons;
kW	kilowatts;
kWh	kilowatt hours;
Late Payment Rate	means a rate of interest per annum on the date of payment equal to two percent (2%) above the AED rate quoted for one (1) year average Interest Rates on Inter-Bank Deposits in UAE in the latest publication of the Central Bank of the UAE. The Late Payment Rate is applicable from the due date until the date of payment.
MIG	Million Imperial Gallons;
MIGD	Million Imperial Gallons per Day;
MW	Megawatts;
MWh	Megawatt hours;
Metering Code	means the Metering and Data Exchange Code (Electricity and Water) or Codes of that name required to be prepared by TRANSCO and approved by the Bureau, as revised from time to time with the approval of the Bureau;
Peak Period	10am to 10pm on Fridays and non-Fridays days;
Off-Peak Period	10pm to 10am on Fridays and non-Fridays days;
Point of Supply	the point at which electricity or water supplied to a Purchaser is metered or otherwise measured in accordance with the Metering Code;

Purchaser	a licensed distribution operator as defined in the Law;
Regulated Electricity Bulk Supply Revenue,	all revenue derived from the bulk supply of electricity and ancillary services to the licensed distribution operators as defined in ADWEC's licence;
Regulated Water Bulk Supply Revenue	all revenue derived from the bulk supply of water and ancillary services to the licensed distribution operators as defined in ADWEC's licence;
Settlement Period	A period of 60 minutes ending on the hour in each hour during a schedule Day;
System Marginal Price (SMP) Charge	an hourly rate expressed in fils/kWh or AED/TIG as the case may be, payable by each Purchaser for each unit as calculated pursuant to paragraph 3 of this leaflet;
TIG	Thousand Imperial Gallons;
TIGD	Thousand Imperial Gallons per Day;
TRANSCO	means Abu Dhabi Transmission and Despatch Company;

## **2. Purchaser**

Each Purchaser shall pay to ADWEC for electricity and water supplied in the year ending 31<sup>st</sup> December 2017 in accordance with the following charges, rates and adjustments.

## **3. SMP Charges (Electricity and Water)**

For the purposes of calculating the SMP Charges payable by each Purchaser pursuant to **Appendices A1 and A2**, the SMP Charge relevant units in any Settlement Period shall be the aggregate of electricity units supplied (kWh) and water units supplied (TIG), respectively, to the Purchaser at each Point of Supply (as determined by metering installed in accordance with the Metering Code) multiplied by the appropriate adjustment factor as set out in paragraph 9.

## **4. High Peak Charges (Electricity & Water)**

For electricity, the High Peak Charge in each Settlement Period is based on the aggregate of electricity units supplied (kWh) in the Peak and Off-Peak Periods-, from

January to December inclusive. For water, the High Peak Charge in each Settlement Period is based on the aggregate of water units supplied (TIG) in the Peak and Off-Peak Periods, on Fridays and non-Fridays days from January to December inclusive.

For the purposes of calculating the electricity High Peak Period Charge payable by each Purchaser pursuant to the High Peak charges in **Appendix A1**, the aggregate electricity units supplied (kWh) in the Peak and Off-Peak Periods from January to December shall be multiplied by the appropriate electricity adjustment factors as set out in paragraph 9. For the purposes of calculating the water High Peak Period Charge payable by each Purchaser pursuant to the High Peak charges in **Appendix A2**, the aggregate of water units supplied in the Peak and Off-Peak periods from January to December shall be multiplied by the appropriate water adjustment factors as set out in paragraph 9.

#### **5. BUF Levy Charge (Electricity & Water)**

For the purpose of calculating the BUF Levy charges payable by each Purchaser pursuant to Appendices A1 and A2, the BUF Levy relevant units in any Settlement Period shall be the aggregate of electricity units supplied (kWh) and water unit supplied (TIG), respectively, to the Purchaser at each Point of Supply (as determined by metering installed in accordance with the Metering Code) multiplied by the appropriate adjustment factor as set out in paragraph 9.

#### **6. Total Charge for 2017 BST**

For purposes of calculating charges payable by each purchaser pursuant to **Appendices A1 and A2**, the Total Charge per Unit in any Settlement Period is the aggregate of the SMP Charge, the BUF Levy Charge and High Peak Period Charge in accordance with paragraphs 3, 4 and 5 as stated above.

#### **7. Fuel Surcharge Component (FSC)**

The Fuel Surcharge Component (FSC), estimated on a quarterly basis, shall be charged by ADWEC to the Purchasers for each relevant quarter, if required and as approved by the Bureau.

The allocation of the FSC between Al Ain Distribution Company (AADC) and Abu Dhabi Distribution Company (ADDC) will be based on their respective contribution to total electricity and water demands in that same relevant quarter of 2017.

The FSC will be included in the invoices as and when approved by the Bureau, and payment is required within 30 Days after receipt of the invoice.

#### **8. Metering of Water and Electricity**

Metering of Water and Electricity is required at each and every Point of Supply to the Purchaser for each Settlement Period. The hourly information gathered by

TRANSCO (in their settlement system), and other relevant information, will be used by ADWEC for billing purposes at the end of each month.

## **9. Adjustment Factors**

The Bulk Supply Agreement between the Purchaser and ADWEC is for net electricity and water received at Points of Supply. These quantities will be net of losses from the electricity and water transmission systems. Single line loss adjustments shall be made in respect of purchases coming off the electricity and water transmission systems using the adjustment factors listed below:

Adjustment Factor for Electricity: 1.0244  
Adjustment Factor for Water: 1.0183

## **10. Payments**

Invoices will be issued on a monthly basis within 14 Days at the end of each month and payment is required within 30 Days after receipt of the invoice.

These invoices will be for the Total Charge (SMP Charge, BUF Levy Charge and High Peak Period Charge) of the 2017 BST. The invoices will also include the Fuel Surcharge Component if required and as and when approved by the Bureau, as set out in paragraph 7 above.

If any payment of the BST is not made by the Purchaser in cleared funds to ADWEC on the due date, the amount not so paid shall carry interest at Late Payment Rate.

## **11. Effective Date**

This BST shall take effect on 1<sup>st</sup> January 2017.

## **12. Contact Details**

Readers with questions on the 2017 BST are invited to contact ADWEC at the following contact:

**Mohamed Hamad Al Khazeeri**  
**Acting Director of Procurement & Contracts Directorate**  
**ADWEC**  
**Fax Number: +9712 6427228**  
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**Appendix A1: Electricity – SMPs, BUF Levy and High Peak Period Charges for 2017 (fils/kWh)**

The SMP and High Peak charges in relation to a Purchaser, for each Settlement Period shall be charged at the appropriate rate taken from the following tables:

**SMP Charges**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	5.12	5.82	5.00	5.79
Feb	5.12	5.82	5.00	5.79
Mar	5.12	5.82	5.00	5.79
Apr	5.12	5.82	5.00	5.79
May	5.12	5.82	5.00	5.79
Jun	8.30	10.24	7.44	9.18
Jul	8.30	10.24	7.44	9.18
Aug	8.30	10.24	7.44	9.18
Sep	8.30	10.24	7.44	9.18
Oct	5.12	5.82	5.00	5.79
Nov	5.12	5.82	5.00	5.79
Dec	5.12	5.82	5.00	5.79

**BUF Levy Charges**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00
Apr	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00
Jun	0.00	0.00	0.00	0.00
Jul	0.00	0.00	0.00	0.00
Aug	0.00	0.00	0.00	0.00
Sep	0.00	0.00	0.00	0.00
Oct	0.00	0.00	0.00	0.00
Nov	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00

**High Peak Charge**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	3.90	5.76	3.90	5.76
Feb	3.90	5.76	3.90	5.76
Mar	3.90	5.76	3.90	5.76
Apr	3.90	5.76	3.90	5.76
May	3.90	5.76	3.90	5.76
Jun	6.00	8.82	6.00	8.82
Jul	6.00	8.82	6.00	8.82
Aug	6.00	8.82	6.00	8.82
Sep	6.00	8.82	6.00	8.82
Oct	3.90	5.76	3.90	5.76
Nov	3.90	5.76	3.90	5.76
Dec	3.90	5.76	3.90	5.76

**Total Charge (SMPs + BUF+ High Peak Charges)**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	9.02	11.57	8.90	11.55
Feb	9.02	11.57	8.90	11.55
Mar	9.02	11.57	8.90	11.55
Apr	9.02	11.57	8.90	11.55
May	9.02	11.57	8.90	11.55
Jun	14.30	19.06	13.44	18.00
Jul	14.30	19.06	13.44	18.00
Aug	14.30	19.06	13.44	18.00
Sep	14.30	19.06	13.44	18.00
Oct	9.02	11.57	8.90	11.55
Nov	9.02	11.57	8.90	11.55
Dec	9.02	11.57	8.90	11.55

**Appendix A2: Water – SMPs, BUF Levy and High Peak Period Charges for 2017 (AED/TIG)**

The SMP and High Peak Charges in relation to a Purchaser, for each Settlement Period shall be charged at the appropriate rate taken from the following tables:

**SMP Charges**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	15.72	17.56	12.19	13.66
Feb	15.72	17.56	12.19	13.66
Mar	15.72	17.56	12.19	13.66
Apr	15.72	17.56	12.19	13.66
May	15.72	17.56	12.19	13.66
Jun	15.72	17.56	12.19	13.66
Jul	15.72	17.56	12.19	13.66
Aug	15.72	17.56	12.19	13.66
Sep	15.72	17.56	12.19	13.66
Oct	15.72	17.56	12.19	13.66
Nov	15.72	17.56	12.19	13.66
Dec	15.72	17.56	12.19	13.66

**BUF Levy Charges**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00
Apr	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00
Jun	0.00	0.00	0.00	0.00
Jul	0.00	0.00	0.00	0.00
Aug	0.00	0.00	0.00	0.00
Sep	0.00	0.00	0.00	0.00
Oct	0.00	0.00	0.00	0.00
Nov	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00

**High Peak Charge**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	9.93	9.93	9.93	9.93
Feb	9.93	9.93	9.93	9.93
Mar	9.93	9.93	9.93	9.93
Apr	9.93	9.93	9.93	9.93
May	9.93	9.93	9.93	9.93
Jun	11.94	11.94	11.94	11.94
Jul	11.94	11.94	11.94	11.94
Aug	11.94	11.94	11.94	11.94
Sep	11.94	11.94	11.94	11.94
Oct	9.93	9.93	9.93	9.93
Nov	9.93	9.93	9.93	9.93
Dec	9.93	9.93	9.93	9.93

**Total Charge (SMPs + BUF + High Peak Charges)**

Grouped	Non-Friday	Non-Friday	Friday	Friday
Month	Off Peak	Peak	Off Peak	Peak
Jan	25.64	27.49	22.11	23.58
Feb	25.64	27.49	22.11	23.58
Mar	25.64	27.49	22.11	23.58
Apr	25.64	27.49	22.11	23.58
May	25.64	27.49	22.11	23.58
Jun	27.66	29.50	24.13	25.60
Jul	27.66	29.50	24.13	25.60
Aug	27.66	29.50	24.13	25.60
Sep	27.66	29.50	24.13	25.60
Oct	25.64	27.49	22.11	23.58
Nov	25.64	27.49	22.11	23.58
Dec	25.64	27.49	22.11	23.58



## Appendix B1: 2017 BST Total Charge Calculations

### 2017 BST Total Charge Calculations

All amounts in AED Million, except as otherwise specified

<b>Expected Cost Data</b>	<b>Electricity</b>	<b>Water</b>	<b>Total</b>
Estimated Total Fuel Costs _Gas	4354.81	3957.26	8312.08
Estimated Total Fuel Costs _BUF	0.00	0.00	0.00
Estimated Total Variable O&M Costs*	270.29	190.08	460.37
Estimated Total Shams 1 (CSP) Costs for Generation	25.26	0.00	25.26
Estimated Total Masdar PV (10MWV)Costs for Generation	2.09	0.00	2.09
Estimated Total Masdar Wind SBYICosts for Generation	0.00	0.00	0.00
Estimated Capacity Payments **	4430.08	2947.60	7377.68
Supplemental Costs	178.38	155.83	334.21
Price-Controlled Procurement Charge ***	47.08	33.08	80.16
<b>Estimated Total Costs (PWPA + F + A)</b>	<b>9307.98</b>	<b>7283.86</b>	<b>16591.85</b>
<b>Expected Income from SSU****</b>	<b>3.07</b>	<b>0.00</b>	<b>3.07</b>
<b>2016 BST K factor**</b>	<b>-239.77</b>	<b>-115.44</b>	<b>-355.21</b>
<b>Total Generation Production Cost</b>	<b>9544.68</b>	<b>7399.30</b>	<b>16943.98</b>
<b>Cost attributed</b>			
FEWA	1915.93	380.22	2296.15
SEWA	501.60	92.42	594.01
<b>Estimated Maximum Allowed Revenue (MAR = Total Costs + Q - K - FSC- Cost attributed to Un-license activities)</b>	<b>7127.15</b>	<b>6926.66</b>	<b>14053.82</b>
High Peak Period Charge	3,273.62	2,755.47	6029.08
SMP Charge	3,853.53	4,171.20	8024.73
BUF Levy Charge	0.00	0.00	0.00
<b>Total Charge</b>	<b>7127.15</b>	<b>6926.66</b>	<b>14053.82</b>
* Exclude renewables			
** includes fixed O&M			
*** subject to change according to PC			
****Estimate Charges to Non-IWPP Generation & Self - Supply users Connected to the Transmission Network			
<b>2016 BST Forecast Quantities</b>	<b>2017 BST</b>	<b>2017 BST</b>	
Net Supply to Disco (MWh/MIG)	54,438,028	258,851	
Net Supply to FEWA	15,240,938	14,520	
Net Supply to SEWA	3,990,131	3,529	
Net Supply to DEWA	0		
Sum of Pumping F1&F2	886,426		
Sum of Pumping from Others	1,813,925		
<b>Total Net MWh/MIG (Generation/Production)</b>	<b>76,369,449</b>	<b>276,901</b>	