

STATE ENERGY COMMISSION ACT 1979**STATE ENERGY COMMISSION (ELECTRICITY AND GAS CHARGES)
AMENDMENT BY-LAWS 1990**

Made by the State Energy Commission of Western Australia with the approval of His Excellency the Governor in Executive Council.

Citation

1. These by-laws may be cited as the *State Energy Commission (Electricity and Gas Charges) Amendment By-laws 1990*.

Commencement

2. These by-laws shall come into operation on 1 July 1990.

Principal by-laws

3. In these by-laws the *State Energy Commission (Electricity and Gas Charges) By-laws 1978** are referred to as the principal by-laws.

[*Published in the Gazette of 23 June 1978 at pp. 2055-2064. For Amendments to 7 June 1990 see pp. 351-353 of 1989 Index to Legislation of Western Australia.]

Schedules repealed and Schedules substituted

4. The Schedules to the principal by-laws are repealed and the following Schedules are substituted—

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First Schedule**CHARGES FOR ELECTRICITY SUPPLIED FROM THE
INTERCONNECTED SYSTEM****1. GENERAL, COMMERCIAL AND INDUSTRIAL TARIFFS****TARIFF L1***Low/Medium Voltage Tariff*

(Available for low/medium voltage supply.)

A fixed charge at the rate of 28.09 cents per day plus all metered consumption at the rate of—

18.46 cents per unit for the first 165 units per day.

14.74 cents per unit for the next 1 485 units per day.

12.70 cents per unit for the next 14 850 units per day.

11.57 cents per unit for all over 16 500 units per day.

TARIFF M1*High Voltage Tariff*

(Available for consumers supplied at 6.6 kV, 11 kV, 22 kV or 33 kV or such higher voltage as the Commission may approve.)

A fixed charge at the rate of 28.09 cents per day plus all metered consumption at the rate of—

18.46 cents per unit for the first 165 units per day.

14.49 cents per unit for the next 1 485 units per day.

12.44 cents per unit for the next 14 850 units per day.

10.81 cents per unit for the next 16 500 units per day.

9.76 cents per unit for all over 33 000 units per day.

TARIFF S1*Low/Medium Voltage Time Based Demand and Energy Tariff*

(Available for low/medium voltage supply.)

The tariff consists of a fixed charge and demand and energy charges dependent on the time of day, day of the week and subject to the undermentioned conditions.

Tariff

Fixed charge at the rate of \$96.51 per day.

Demand charge 64.51 cents per day multiplied by—

(a) the on peak half-hourly maximum demand; or

(b) 30 per cent of the off peak half-hourly maximum demand,
whichever is the greater.

Energy charge—

(a) On peak energy charge 6.22 cents per unit.

(b) Off peak energy charge 4.14 cents per unit.

CONDITIONS**Minimum period of Contract**

Consumer to agree to take the tariff for a minimum period of 12 months and not to discontinue without giving 6 months' prior notice in writing to the Commission.

Power factor

Power factor is to be 80 per cent or better at the time of maximum kVA demand. The Commission reserves the right to levy a charge of 36.83 cents per day per kVAR for the kVAR necessary to improve the power factor to 80 per cent lagging in any period during which the power factor at the time of maximum demand is less than 80 per cent.

Variation of on peak period

Subject to the Commission's system operating conditions the Commission may upon receipt of a written application vary the on peak period in respect of a particular case.

TARIFF T1

High Voltage Time Based Demand and Energy Tariff

(Available to consumers supplied at 6.6 kV, 11 kV, 22 kV or 33 kV or such higher voltage as the Commission may approve.)

The tariff consists of a fixed charge and demand and energy charges dependent on the time of day, and day of the week and subject to the undermentioned conditions.

Tariff

Fixed charge at the rate of \$96.51 per day.

Demand charge 58.37 cents per day multiplied by—

- (a) the on peak half-hourly maximum demand; or
 - (b) 30 per cent of the off peak half-hourly maximum demand,
- whichever is the greater.

Energy charge—

- (a) On peak energy charge 6.22 cents per unit.
- (b) Off peak energy charge 4.14 cents per unit.

CONDITIONS

Minimum period of Contract

Consumer to agree to take the tariff for a minimum period of 12 months and not to discontinue without giving 6 months' prior notice in writing to the Commission.

Ownership of high voltage equipment

This tariff applies to consumers who own all equipment except tariff metering equipment on the load side of the consumer's high voltage terminals.

Power factor

Power factor is to be 80 per cent or better at the time of maximum kVA demand. The Commission reserves the right to levy a charge of 36.83 cents per day per kVAR for the kVAR necessary to improve the power factor to 80 per cent lagging in any period during which the power factor at the time of maximum demand is less than 80 per cent.

Variation of on peak period

Subject to the Commission's system operating conditions the Commission may upon receipt of a written application vary the on peak period in respect of a particular case.

TARIFF U1

High Voltage Time Based Demand and Energy Tariff

(Available for consumers supplied at 66 kV or 132 kV and who enter a contract to provide for the establishment of suitable sub-station facilities.)

The tariff consists of a fixed charge and demand and energy charges dependent on the time of day, and day of the week and subject to the undermentioned conditions is available to consumers who are supplied at 66 kV or 132 kV only from the Commission's interconnected system.

Tariff

Fixed charge at the rate of \$218.10 per day.

Demand charge 41.52 cents per day multiplied by—

- (a) the on peak half-hourly maximum demand; or
 - (b) 30 per cent of the off peak half-hourly maximum demand,
- whichever is the greater.

Energy charge—

- (a) On peak energy charge 6.22 cents per unit.
- (b) Off peak energy charge 4.14 cents per unit.

CONDITIONS

This tariff shall apply at the discretion of the Commission to the supply of electricity taken at 66 kV or 132 kV from the Commission's interconnected system, to consumers who have entered into a contract with the Commission which provides *inter alia* for the establishment of a sub-station jointly owned by the consumer and the Commission or for the payment by the consumer, of a capital contribution, as determined by the Commission towards the cost of providing a sub-station to be fully owned by the Commission.

Consumers seeking supply under this tariff may also be required to contribute towards the cost, as determined by the Commission, of any other distribution works necessary to effect the supply to the consumer.

Power factor

Power factor is to be 80 per cent or better at the time of maximum kVA demand. The Commission reserves the right to levy a charge of 36.83 cents per day per kVAR for the kVAR necessary to improve the power factor to 80 per cent lagging in any period during which the power factor at the time of maximum demand is less than 80 per cent.

Variation of on peak period

Subject to the Commission's system operating conditions the Commission may upon receipt of a written application vary the on peak period in respect of a particular case.

Standby Tariff for consumers on Tariffs L1 and S1 payable in addition to charges under those tariffs.**(a) In the case of Tariff L1.**

Standby charge—6.45 cents per day per kW.

Based on the difference between—

Total half-hourly maximum demand and normal half-hourly maximum demand.

(b) In the case of Tariff S1.

Standby charge—6.45 cents per day per kW.

Based on the difference between—

Total half-hourly maximum demand and normal half-hourly maximum demand; or

Total half-hourly maximum demand and registered half-hourly maximum demand, whichever is less.

CONDITIONS

The consumer to pay for the cost of all additional mains and equipment necessary to provide the standby service. The standby service agreement will be for a minimum period of 12 months. Thereafter the consumer will be required to give 6 months' notice in writing to the Commission of intention to terminate the agreement.

The "normal half-hourly maximum demand" will be assessed by the Commission and will be based on loading normally supplied from the Commission's supply.

Notwithstanding the Commission's assessment, in any accounting period the normal half-hourly maximum demand shall be taken to be not less than—

kWh registered for the accounting period

$24 \times (\text{number of days in the accounting period}) \times 0.4$

The "total half-hourly maximum demand" will be assessed by the Commission as the expected half-hourly maximum demand on the Commission's system without the consumer's generation equipment in operation.

The difference between total half-hourly maximum demand and normal half-hourly maximum demand will not exceed—

(a) the capacity of the consumer's generation equipment; or

(b) the expected maximum loading of such generation equipment, as assessed by the Commission.

Standby Tariff for Consumers on Tariffs M1 and T1 payable in addition to charges under those tariffs**(a) In the case of Tariff M1.**

Standby charge—5.84 cents per day per kW.

Based on the difference between—

Total half-hourly maximum demand and normal half-hourly maximum demand.

(b) In the case of Tariff T1.

Standby charge—5.84 cents per day per kW.

Based on the difference between—

Total half-hourly maximum demand and normal half-hourly maximum demand; or

Total half-hourly maximum demand and registered half-hourly maximum demand, whichever is less.

CONDITIONS

The consumer to pay for the cost of all additional mains and equipment necessary to provide the standby service. The standby service agreement will be for a minimum period of 12 months. Thereafter the consumer will be required to give 6 months' notice in writing to the Commission or intention to terminate the agreement.

The "normal half-hourly maximum demand" will be assessed by the Commission and will be based on loading normally supplied from the Commission's supply.

Notwithstanding the Commission's assessment, in any accounting period the normal half-hourly maximum demand shall be taken to be not less than—

kWh registered for the accounting period

$24 \times (\text{number of days in accounting period}) \times 0.4$

The "total half-hourly maximum demand" will be assessed by the Commission as the expected half-hourly maximum demand on the Commission's system without the consumer's generation equipment in operation.

The difference between total half-hourly maximum demand and normal half-hourly maximum demand will not exceed—

- (a) the capacity of the consumer's generation equipment; or
- (b) the expected maximum loading of such generation equipment, as assessed by the Commission.

Standby Tariff for consumers on Tariff U1 payable in addition to charges under that tariff

Standby charge— 4.14 cents per day per kW.

Based on the difference between the consumer's contract maximum demand and the on peak half-hourly maximum demand registered in any accounting period.

Or—

In the event that the consumer's contract for supply with the Commission does not contain provisions for a contract maximum demand, the standby charge shall be based on the difference between the total half-hourly maximum demand and the on peak half-hourly maximum demand registered in any accounting period. The total half-hourly maximum demand will be assessed by the Commission as the expected half-hourly maximum demand on the Commission's system without the consumer's generation equipment in operation.

2. DOMESTIC TARIFFS

TARIFF A1

A fixed charge at the rate of 22.10 cents per day plus all metered consumption at the rate of 12.05 cents per unit. For multiple unit domestic buildings supplied through one metered supply point the fixed charge is at the rate of: 22.10 cents per day for the first domestic unit and 17.81 cents per day for each additional domestic unit.

TARIFF B1

Domestic Water Heating Tariff

This optional tariff is available for domestic water heating during a 6 hour period between the hours of 11.00 p.m. and 6.00 a.m. for installations approved by the Commission.

A fixed charge at the rate of 11.52 cents per day plus all metered consumption at the rate of 6.37 cents per unit. For multiple unit domestic buildings supplied through one metered supply point the fixed charge is at the rate of 11.52 cents per day for each domestic unit supplied.

TARIFF D1

Special Tariff for Certain Premises

(This optional tariff is available for premises wholly used by a charitable or benevolent organization for providing residential accommodation other than for commercial gain, being premises for which Tariff A1 is not available.)

A fixed charge at the rate of—

22.10 cents per day

and where in accordance with this tariff there is deemed to be more than one equivalent domestic residence in the premises, an additional

17.81 cents per day

for each equivalent domestic residence except the first that is deemed to be in the premises.

Plus all metered consumption at the rate of 12.05 cents per unit.

For the purposes of this tariff the number of equivalent domestic residences deemed to be in particular premises is ascertained by dividing the average daily consumption during the accounting period, expressed in units per day, by 9 units per day and, where the quotient is not a whole number, by increasing it to the next highest whole number.

3. GENERAL, COMMERCIAL AND INDUSTRIAL WITH DOMESTIC
TARIFF

TARIFF K1

(Available for premises where the circuit wiring is not separate and the electricity is used partly for industrial, commercial, business or general purposes and partly for domestic purposes.)

A fixed charge at the rate of 22.10 cents per day. Plus all metered consumption at the rate of—

- 12.05 cents per unit for the first 9 units per day.
- 18.46 cents per unit for the next 156 units per day.
- 14.74 cents per unit for the next 1 485 units per day.
- 12.70 cents per unit for the next 14 850 units per day.
- 11.57 cents per unit for all over 16 500 units per day.

4. TRAFFIC LIGHT INSTALLATIONS

TARIFF W1

A charge of 144.10 cents per day per kilowatt of the total installed wattage.

5. OBSOLESCE TARIFFS

(Available only to consumers currently charged on these tariffs).

TARIFF G1

Lighting

(Previously available for domestic and commercial lighting.)

All metered consumption at the rate of—

- 32.51 cents per unit for the first 3 units per day.
- 27.20 cents per unit for the next 17 units per day.
- 26.69 cents per unit for the next 145 units per day.
- 20.86 cents per unit for all over 165 units per day.

TARIFF Y1

Power

(Previously available for commercial use only.)

All metered consumption at the rate of—

- 19.97 cents per unit for the first 13 units per day.
- 17.75 cents per unit for the next 152 units per day.
- 14.97 cents per unit for the next 1 485 units per day.
- 12.70 cents per unit for all over 1 650 units per day.

TARIFF H1

Power

(Previously available for domestic use only.)

All metered consumption at the rate of 13.35 cents per unit.

Minimum charge—

A minimum charge at the rate of 13.14 cents per day is applicable to Tariffs G1, and H1, and a minimum charge at the rate of 13.80 cents per day is applicable to Tariff Y1.

Second Schedule

CHARGES FOR ELECTRICITY SUPPLIED FROM COUNTRY SYSTEMS
GENERALLY

1. General, Commercial and Industrial Tariffs

TARIFF L2

Low/Medium Voltage Tariff

(Available for low/medium voltage supply.)

A fixed charge at the rate of 28.09 cents per day plus all metered consumption at the rate of—

- 18.46 cents per unit for the first 165 units per day.
- 14.74 cents per unit for the next 1 485 units per day.
- 12.70 cents per unit for all over 1 650 units per day.

TARIFF M2

High Voltage Tariff

(Available for consumers supplied at 6.6 kV, 11 kV, 22kV or 33kV or such higher voltage as the Commission may approve.)

A fixed charge at the rate of 28.09 cents per day plus all metered consumption at the rate of—

- 18.46 cents per unit for the first 165 units per day.
- 14.49 cents per unit for the next 1 485 units per day.
- 12.44 cents per unit for all over 1 650 units per day.

TARIFF N2

Cost of Supply Tariff

State, Commonwealth and Foreign Government Instrumentalities

A fixed charge at the rate of 28.09 cents per day plus all metered consumption at the rate (in cents per unit) calculated in accordance with the following formula and by-law 14 (2)—

$$R = 18.53 + \frac{8.61 \times P}{52.14}$$

Where—

R is the rate to be calculated; and

P is the maximum endorsed industry price of automotive distillate (in cents per litre) as defined in by-law 14 (1) (e).

2. DOMESTIC TARIFFS

TARIFF A2

A fixed charge at the rate of 22.10 cents per day plus all metered consumption at the rate of 12.05 cents per unit.

For multiple unit domestic buildings supplied through one metered supply point the fixed charge is at the rate of—

22.10 cents per day for the first domestic unit and 17.81 cents per day for each additional domestic unit.

TARIFF D2

Special Tariff for Certain Premises

(This optional tariff is available for premises wholly used by a charitable or benevolent organization for providing residential accommodation other than for commercial gain, being premises for which Tariff A2 is not available.)

A fixed charge at the rate of—

22.10 cents per day

and where in accordance with this tariff there is deemed to be more than one equivalent domestic residence in the premises, an additional

17.81 cents per day

for each equivalent domestic residence except the first that is deemed to be in the premises.

Plus all metered consumption at the rate of

12.05 cents per unit

For the purpose of this tariff the number of equivalent domestic residences deemed to be in particular premises is ascertained by dividing the average daily consumption during the accounting period, expressed in units per day, by 9 units per day and, where the quotient is not a whole number, by increasing it to the next highest whole number.

3. GENERAL, COMMERCIAL AND INDUSTRIAL WITH DOMESTIC TARIFF

TARIFF K2

(Available for premises where the circuit wiring is not separate and the electricity is used partly for industrial, commercial, business or general purposes and partly for domestic purposes.)

A fixed charge at the rate of 22.10 cents per day plus all metered consumption at the rate of—

12.05 cents per unit for the first 9 units per day.

18.46 cents per unit for the next 156 units per day.

14.74 cents per unit for the next 1 485 units per day.

12.70 cents per unit for all over 1 650 units per day.

4. TRAFFIC LIGHT INSTALLATIONS

TARIFF W2

A charge of \$2.35 per day per kilowatt of the total installed wattage.

Third Schedule
STREET LIGHTING
Tariffs for Existing Services
Wattage Groups—Fitting Types—Switching Hours

Item	Wattage	Type	Lamp Details Fitting and Pole Type	Midnight Switch-off (Obsoles- cent) Cents per day	1.15 a.m. Switch-off Cents per day	Dawn Switch-off Cents per day
Z.01	50	Mercury Vapour	Any	15.33	15.67	16.85
Z.02	80	Mercury Vapour	Any	18.07	18.47	20.31
Z.03	125	Mercury Vapour	Any	22.34	23.06	25.68
Z.04	140	Sodium	Crosswalk any Pole	22.86	23.61	26.60
Z.05	250	Mercury Vapour	Open Fitting, Any Pole	35.91	37.31	42.59
Z.06	400	Mercury Vapour	Open Fitting, Any Pole	49.26	51.41	59.59
Z.07	250	100% Consumer Cost M.V. Type W	Luminaire, Any Pole	27.72	29.13	34.38
Z.08	250	50% S.E.C. Cost M.V. Type W	Luminaire, Wood Poles	31.81	33.21	38.48
Z.09	250	100% S.E.C. Cost M.V. Type W	Luminaire, Wood Poles	35.91	37.31	42.59
Z.10	400	100% Consumer Cost M.V. Type W	Luminaire, Any Pole	41.06	43.21	51.41
Z.11	400	50% S.E.C. Cost M.V. Type W	Luminaire, Wood Poles	45.16	47.31	55.49
Z.12	400	100% S.E.C. Cost M.V. Type W	Luminaire, Wood Poles	49.26	51.41	59.59
Z.13	150	100% Consumer Cost H.P. Sodium	Luminaire, Any Pole	21.17	21.93	26.27
Z.14	150	100% S.E.C. Cost H.P. Sodium	Luminaire, Any Pole	32.64	33.41	37.73
Z.15	250	100% Consumer Cost H.P. Sodium	Luminaire, Any Pole	31.36	33.03	39.48
Z.16	250	50% S.E.C. Cost H.P. Sodium	Luminaire, Any Pole	37.50	39.19	45.63
Z.17	250	100% S.E.C. Cost H.P. Sodium	Luminaire, Any Pole	43.63	45.33	51.77
Z.18	per kilowatt	Auxiliary Lighting in Public Places	Service by Negoti- ation	89.84	94.84	114.47
Z.51	60	Incandescent	Any	15.33	15.67	16.85
Z.52	100	Incandescent	Any	15.33	15.67	16.85
Z.53	200	Incandescent	Any	18.07	18.47	20.31
Z.54	300	Incandescent	Any	22.34	23.06	25.68
Z.55	500	Incandescent	Open Fitting, Any Pole	35.91	37.31	42.59
Z.56	40	Fluorescent	Open Fitting, Any Pole	15.33	15.67	16.85
Z.57	80	Fluorescent	Open Fitting, Any Pole	18.07	18.47	20.31
Z.58	160	Fluorescent	—	25.25	25.62	29.72

Fourth Schedule
CHARGES FOR NATURAL GAS

1. Domestic Tariff

TARIFF A3

(Available for domestic use only.)

All metered consumption at the rate of—

6.57 cents per unit for the first L units per day.

3.74 cents per unit for the next M units per day.

2.59 cents per unit for all over N units per day.

For single unit domestic buildings supplies through one metered supply point—

L=10

M=26

N=36

For multiple unit domestic buildings supplied through one metered supply point—

$$L=10 + [(F-1) \times 5]$$

$$M=26 + [(F-1) \times 5]$$

$$N=36 + [(F-1) \times 10]$$

Where F is the number of units in the domestic building.

2. General, Commercial and Industrial Tariff

TARIFF L3

A fixed charge at the rate of 8.15 cents per day.

Plus all metered consumption at the rate of—

5.96 cents per unit for the first 100 units per day.

R cents per unit for all over 100 units per day, calculated in accordance with the following formula and by-law 14 (2)—

$$R = \frac{3.36 \times P}{46.39}$$

Where—

R is the rate to be calculated; and

P is the maximum endorsed industry price of automotive distillate (in cents per litre) as defined in by-law 14 (1) (e)

Fifth Schedule

CHARGES FOR MANUFACTURED GAS ALL PURPOSES TARIFF

TARIFF A4

(Available for domestic, commercial, industrial and general use.)

A fixed charge at the rate of 7.76 cents per day.

Plus all metered consumption at the rate of—

5.66 cents per unit for the first 100 units per day.

R cents per unit for all over 100 units per day, calculated in accordance with the following formula and by-law 14 (2)—

$$R = \frac{3.36 \times P}{46.39}$$

Where—

R is the rate to be calculated; and

P is the maximum endorsed industry price of automotive distillate (in cents per litre) as defined in by-law 14 (1) (e).

For multiple unit domestic buildings supplied through one metered supply point the fixed charge is at the rate of—

7.76 cents per day for the first domestic unit and

3.88 cents per day for each additional domestic unit supplied.

Sixth Schedule

METER RENTALS

SUBSIDIARY METERS

- (i) Subsidiary electric meters used to meter the supply to other than domestic subsidiary consumers as detailed in this Schedule shall be subject to a subsidiary meter rental of 14.62 cents per day per subsidiary meter for subsidiary meters, provided by the Commission.

Subsidiary gas meters used to meter the supply to other than domestic subsidiary consumers as detailed in this Schedule shall be subject to subsidiary meter rental in accordance with the following schedule—

Meter Size	Sub Meter Fee per Day cents
6 m ³ per hour	8.76
12 m ³ per hour	16.10
25 m ³ per hour	23.38
Pre-payment meter	19.00

(ii) Explanatory Notes—

Subsidiary meters are available on application for approved purposes.

Electric subsidiary meters used to meter the supply to domestic subsidiary consumers will not be subject to a subsidiary meter rental if the master account is supplied according to Tariff A1, Tariff B1, or Tariff G1 and Tariff H1, or Tariff A2.

Gas subsidiary meters used to meter the supply to domestic subsidiary consumers will not be subject to a subsidiary meter rental.

For electrical installations in existence at 1 July 1978, no rental will be charged for subsidiary meters in excess of the number of tenancies as assessed by the Commission.

For gas installations in existence at 1 July 1978, subsidiary meters will continue to attract the applicable fixed charge.

Seventh Schedule

Other Fees

1. Account Establishment Fee

A non-refundable account establishment fee of \$21.58 is payable on the establishment of a new domestic account or the transfer of a domestic account.

2. Three Phase Domestic Connection Fee

A fee of \$220.12 will be applied to all new three phase domestic installations requiring a meter to be installed and in cases where a three phase meter is required to replace a single phase meter on a domestic installation. A fee of \$135.95 will be applied to each subsidiary three phase meter issued to be installed on a domestic installation.

3. Re-Connection Fee

Where a supply is terminated for non-payment of charges or rentals, or for any other reason related to the consumer's failure to comply with the lawful requirements of the Commission in respect of that supply, a non-refundable re-connection fee of \$21.58 is payable.

4. Public Telephone Cabinets

A Charge of 28.09 cents per day will be made for each connection made to a standard public telephone cabinet where the supply is not independently metered.

5. Temporary Supply

A fee of \$200.00 is payable for each single phase temporary supply connection. A fee of \$231.00 is payable for each three phase temporary supply connection.

6. Meter Testing Fees

(a) Subject to paragraph (b) a fee of \$13.63 is payable for the on site testing of a meter and a fee of \$40.99 is payable for laboratory testing of a meter;

(b) For consumers eligible for the rebate of the fixed charge under by-law 4A a fee of \$8.20 is payable for the on site testing of a meter and a fee of \$16.39 is payable for laboratory testing of a meter.

7. Special Meter Reading Fee

A fee of \$11.77 is payable for a reading of a meter at the request of a consumer.

8. Railway Crossing Lights

A charge of 35.90 cents per day is payable for electricity supplied to standard railway crossing lights. ”.

M. DULANEY, Secretary
The State Energy Commission of Western Australia.

Approved by His Excellency the Governor in Executive Council.

Dated 19 June 1990.

M. C. WAUCHOPE, Clerk of the Council.