

Western Power Networks
Price Schedule C4

**Transition Network Tariffs & Prices
for the
North West Interconnected System
2002/2003**

Important Note:

Only those Customers using more than 8,760 MWh per year prior to July 2001 are eligible for these “special” network tariffs.

Standard tariffs are contained in the separate publication:

“Price Schedule C3

Standard Network Tariffs & Prices

for the North West Interconnected System

2002/2003”

WESTERN POWER NETWORKS PRICING PUBLICATIONS

- PART A NETWORK REVENUE AND AVERAGE PRICE PATH
- PART B NETWORK PRICING STRUCTURE
- PART C PRICE SCHEDULES
 - C1 STANDARD NETWORK TARIFFS AND PRICES
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 - C5 NETWORK TARIFFS AND PRICES
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- PART D NETWORK PRICE APPLICATION GUIDE
- PART E SUPPORT SERVICES PRICES
FOR THE SOUTH WEST INTERCONNECTED SYSTEM
2002/2003
(Standby generation, spinning reserve and balancing energy services)

PURPOSE OF THIS DOCUMENT

This document provides *“transition” network access prices, ancillary service prices* and *network loss factors* for the 2002/2003 financial year for the north-west interconnected Transmission and Distribution networks.

Eligibility for Transition Network Prices

“Transition” network prices are special prices available only to those customers using more than 8,760 MWh per year prior to July 2001. These customers may choose between these transition prices and the standard network access prices (published separately).

All listed prices are GST exclusive.

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TRANSITION DISTRIBUTION NETWORK PRICES

1. Transition Distribution Network Prices

Eligibility:

These prices apply to customers with maximum demands of greater than 1.0MW average load, connected to the distribution network at high voltage (6.6 kV or higher).

Note:

An additional excess network usage charge applies where actual peak demand exceeds the nominated CMD.

Demand Prices:

High Voltage Network Charge - Maximum Demand 1000 to 7000 kVA

	Demand Charge	
Pricing Zone	Fixed Charge for first 1000 kVA (\$ per annum)	For kVA >1000 (\$/kVA/annum)
NWIN (Karratha/Port Hedland)	50,752	1.83

High Voltage Network Charge - Maximum Demand > 7000 kVA

	Demand Charge	
Pricing Zone	Fixed Charge for first 7000 kVA (\$ per annum)	For kVA >7000 (\$/kVA/annum)
NWIN (Karratha/Port Hedland)	61,732	0.56

Low Voltage Network Charge

(where applicable, in addition to the High Voltage network Charge)

Category	(\$/annum)
Fixed Price	960
Demand Price	7.75/kVA

Demand Length Prices:

Maximum Demand 1000 to 7000 kVA

	Demand-Length Charge	
Pricing Zone	For first 10 km length (\$/kVA.km/annum)	For length in excess of 10 km (\$/kVA.km/annum)
NWIN (Karratha/Port Hedland)	2.40	1.69

Maximum Demand > 7000 kVA

	Demand-Length Charge	
Pricing Zone	For first 10 km length (\$/kVA.km/annum)	For length in excess of 10 km (\$/kVA.km/annum)
NWIN (Karratha/Port Hedland)	2.05	1.45

Metering Price

Separate Metering charges apply – refer to section 4, Transition Metering Charges.

Common Services Price

A separate Administration charge applies as follows:

	\$/annum
Average Load Greater than 5 MW	9,341
Average Load Greater than 1 MW and Less than 5 MW	5,605

Distribution Loss Factor

Refer to section 13, Distribution Loss Factors.

Excess Network Usage Charges

An additional charge applies where peak demand exceeds the nominated CMD – refer to section 7, Distribution Excess Network Usage Factor.

TRANSITION TRANSMISSION NODAL PRICES

2. Exit Points

Eligibility:

- These prices apply to loads connected to either the transmission or distribution network.

Notes:

1. Connection prices for loads connected directly to the transmission network at 66kV or above are not published but are determined subject to the specific connection arrangements.
2. The Connection Price shown in the following table:
 - applies only to loads and generators connected either directly to the transmission network at less than 66kV or to the distribution network; and
 - includes the Control System Services charge (refer to section 9, Control System Services Prices).
3. * Denotes the actual charge is to be determined subject to the specific connection arrangements

Prices:

Substation	Connection Price \$/kW (See Notes 1 & 2)	Exit Use of System Price \$/kW	Common Service Price \$/kW	Total Price \$/kW	Transmission Loss Factor for Connections with Generation and HV Transmission Connected Loads	Transmission Loss Factor for other Load Connections >1000 kVA (See section 23)
Anderson Street	41.77	31.31	30.94	62.25	1.0336	1.0184
Bulgarra	33.09	25.62	30.94	56.56	1.0064	1.0184
Cape Lambert Terminal	49.94	11.35	30.94	42.29	1.0000 [#]	1.0184
Dampier	14.02	45.72	30.94	76.66	1.0005	1.0184
Goldsworthy	*	103.20	30.94	*	1.0399	1.0184
Murdoch Drive	25.96	17.34	30.94	48.28	1.0086	1.0184
Mt Newman	*	27.07	30.94	*	1.0339	1.0184
Pegs Creek	35.72	23.23	30.94	54.17	1.0065	1.0184
Strelley	*	103.20	30.94	*	1.0320	1.0184
Wedgefield	48.42	26.44	30.94	57.38	1.0033	1.0184

Applies to the low voltage (33kV) busbar

Metering Charges

Separate Metering charges apply – refer to section 4, Transition Metering Charges.

Transmission Loss Factor

See above table.

Excess Network Usage Charges

An additional charge applies where peak demand exceeds the nominated CMD – refer to section 6, Transmission Excess Network Usage Factor.

3. Entry Points

Eligibility

These prices apply to all generators, connected to either the transmission network or distribution network.

Notes:

1. The Total Connection Charge shown in the following table:
 - is used to calculate the connection charge for generators connected to the transmission network at 66kV or greater; and
 - includes the Control System Services charge (refer to section 9, Control System Services Prices).
2. The connection charge for generators connected to either the transmission low voltage network (at less than 66kV) or distribution network uses the Connection Price as shown in section 2, Exit Points.
3. * Denotes the charge is not published but is determined subject to the specific connection arrangements.
4. There are no Use of System or Common Service charges associated with an entry point Declared Sent-Out Capacity in the NWIN. The Use of System and Common Service charges for an entry point with a nominated Contract Maximum Demand for an on-site load are based on the prices in section 2, Exit Points.

Prices:

Substation	Total Connection Charge \$K (Refer Notes 1 & 2)	Entry Use of System Price (Refer Note 4)	Transmission Loss Factor
Lambert Power Station	*	N/A	1.0000
Dampier	*	N/A	1.0005
Murdoch Drive	*	N/A	1.0086
Wedgefield	*	N/A	1.0033

Metering Charges

Separate Metering charges apply – refer to section 4, Transition Metering Prices.

Transmission Loss Factor

See above table.

Excess Network Usage Charges

An additional charge applies where peak demand exceeds the nominated CMD – refer to section 6, Transmission Excess Network Usage Factor.

OTHER NETWORK CHARGES

4. Transition Metering Prices

Metering charges for distribution connections:

		\$/metering unit/annum
Existing	High Voltage	4,902
	Low voltage	799
New (Capital fully funded by customer)	High Voltage	3,407
	Low Voltage	384

Metering charge for transmission connections is \$4,902 /metering unit /annum

5. Energy Balancing Service Charges

Account set-up fee	\$2,150
Account modification fee (per modification)	\$530
Linked account modification fee [1]	\$265
Billing fee	\$390/month
System maintenance fee [2]	\$90/MW/month

Notes:

[1] Linked accounts occur where there is an arrangement to share out-of-balance energies. The total fee payable where there are linked accounts is \$530 for the prime account and \$265 for each “linked” account. The fees are independent of the number of meters.

[2] The monthly System Maintenance fee is based on the total of the highest monthly DSOC at each entry point for the month.

6. Transmission Excess Network Usage Factor

(refer to Electricity Transmission Regulations clause 24)

The excess network usage factor is 0.125 (=1.5/12)

7. Distribution Excess Network Usage Factor

(refer Electricity Distribution Regulations clause 26)

The excess network usage factor is 1.5.

ANCILLARY SERVICE PRICES

8. Spinning Reserve Prices

There is no spinning reserve service provided by Western Power to generators in the North West Interconnected Network.

9. Control System Service Prices

The Control System Service charge is included in the Transmission Exit Point Connection Price and Entry Point Total Connection Charge – refer sections 2 and 3. A separate Control System Service price does not apply.

10. Energy Balancing Prices

The prices will be negotiated individually.

11. Standby Generation Capacity Price

The prices will be negotiated individually.

12. Excess Standby Generation Capacity Price

The prices will be negotiated individually.

LOSS FACTORS

13. Distribution Loss Factors

Load Connections

The applicable distribution loss factors are:

- For customers with CMDs greater than 7000 kVA:
 - Specific individually calculated loss factor.
- For customers with CMDs between 1000 kVA and 7000 kVA and located greater than 10 km from the transmission substation:
 - Specific individually calculated loss factor
- Customers with CMDs between 1000 kVA and 7000 kVA and located less than 10 km from the transmission substation can choose either:
 - Specific individually calculated loss factor; or
 - Standard system loss factors.

For all other tariffs, standard system loss factors apply.

Note: At the time of publication of this document, standard system loss factors for the Pilbara distribution network had not been published. Publication is expected by June 2003.

Generator Connections

Specific individual loss factors are calculated for all distribution connected generators.

14. Transmission Loss Factors

Transmission loss factors are location specific for:

- All generator connections
- All load connections at 66 kV or greater

as listed in the tables in sections 2 and 3, Transition Transmission Nodal Prices – Exit Points and Entry Points.

For all load connections at less than 66kV, a system-wide average transmission loss factor of 1.0184 applies.
