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20 November 2009

Mr Ben Williams Analyst – System Capacity Independent Market Operator PO Box 7096 CLOISTERS SQUARE WA 6850

Dear Ben

Maximum Reserve Capacity Price - Cost of Transmission Works

I refer to your recent request for costs of transmission works to be used in the determination of the Maximum Reserve Capacity Price (MRCP).

As requested, the attached document gives indicative costs to connect a 160 MW OCGT to the 330 kV System at various nominated locations in the SWIS. As the 330kV System does not currently extend to all areas of the SWIS, this document also includes indicative augmentation costs to extend the 330 kV network to each of the sample locations.

If you wish to discuss any issues raised in this letter, please contact Jonathan Holgate on (08) 9326 6163.

Yours sincerely

PETER MATTNER

MANAGER REGULATION, PRICING & ACCESS DEVELOPMENT

DM#: 6433932v8 Page 1 of 23



RESPONSE TO IMO REGARDING ESTIMATED COSTS OF CONNECTION AND OPERATION OF NEW GENERATION

This document makes the assumption that a Proponent is planning to connect a 160 MW OCGT to the 330 kV System in the SWIS. As the 330 kV System does not currently extend to all areas of the SWIS, this document provides indicative augmentation costs that would extend the 330 kV network to each of the sample locations.

These augmentations DO NOT provide N-1 capacity under all scenarios. Specific details about each location are provided later in this document.

Because of these major network extensions and the cost of same there will be considerable price volatility in subsequent years as the actual cost of these new network elements propagates through the pricing system.

IMO Expectations:1

- 1.8. Transmission Connection Works
 - 1 Western Power shall provide Transmission Connection Cost Estimates on the basis defined in Step 1.8.2.
 - 2 The Transmission Connection Cost Estimate shall be developed on the following basis:
 - (a) The capital cost (procurement, installation and commissioning, excluding land cost) of a generic, industry standard 330 kV substation that facilitates the connection of the Power Station will be estimated.
 - (b) The estimate will include all the components and costs associated with a standard substation.
 - (c) The estimated cost will be based on a generic three breaker mesh substation configured in a breaker and a half arrangement.
 - (d) The substation will be located adjacent to an existing transmission line and include an allowance for 2 km of 330 kV overhead single circuit line to the power station that will have one road crossing.
 - (e) It shall be assumed that the transmission connection to the Power Station will be located on 50% flat 50% undulating land, 50% rural 50% urban location and there will be no unforeseen environmental or civil costs associated with the development.
 - (f) The connection of the substation into the existing transmission line will be turn-in, turn-out and will be based on the most economical (i.e. least cost) solution. It is assumed that the existing transmission line will not require modification to allow the connection with the exception of one new tower located at the substation to allow a point of connection.
 - (g) Costs associated with any staging works will not be considered.
 - (h) Shallow connection easement costs will be considered.
 - (i) An estimate of deep connection costs shall be included.

DM#: 6433932v8 Page 2 of 23

¹ ELECTRICITY INDUSTRY ACT 2004, ELECTRICITY INDUSTRY (WHOLESALE ELECTRICITY, MARKET) REGULATIONS 2004, WHOLESALE ELECTRICITY MARKET RULES, *Market Procedure for: Determination of the Maximum Reserve Capacity Price Version 1.1*

Substation Cost

The costs of a substation can take two different forms:

- a completely new substation; and
- an addition to a substation.

Please note that the three-switch mesh 330 kV substation configuration outlined in clause 1.8.2 of the MRCP Procedure would be substantially treated as shared assets because of the cut-in, cut-out arrangement. Accordingly, most of the cost of the substation would be included with other shared assets (if any are applicable) and then the contribution calculated taking into account network access charge revenue for up to a 15 year period. In the costs below, it has been assumed that 10% of the cost of the substation is allocated to connection assets with the remainder allocated to shared network assets. This is in recognition that some of the assets at the substation are dedicated to the connection of the power station.

The table below lists the estimated costs of the new substation option. It should be noted that this option does not include the cost of the land to build the substation nor does it take into account the site specific details.

Shared Network Costs

These costs are subject to the Capital Contribution Policy.

Description	Metro Construction ²
Site establishment, building but excluding earthworks ³	\$3,000,000
Fence	\$800,000
Cut-in transmission works	\$1,000,000
New bay for line cut-in	\$6,200,000
Generator bay	\$4,000,000
	\$15,000,000

Connection Cost

These costs are 100% borne by the Proponent.

Description	Metro Construction ⁴
Bay works that are connection works including meter, disconnector, gantry and surge arrestors assuming no breaker	\$1,500,000
Two kilometres of single circuit steel towers to connect the generator	\$2,700,000

² For country construction increases see Rawlinson's Australian Construction Handbook 2009 P30 E.G. Bunbury 105%, Collie 115%, Kalgoorlie 135%, Geraldton 110%, Kambalda 140%, etc.

DM#: 6433932v8 Page 3 of 23

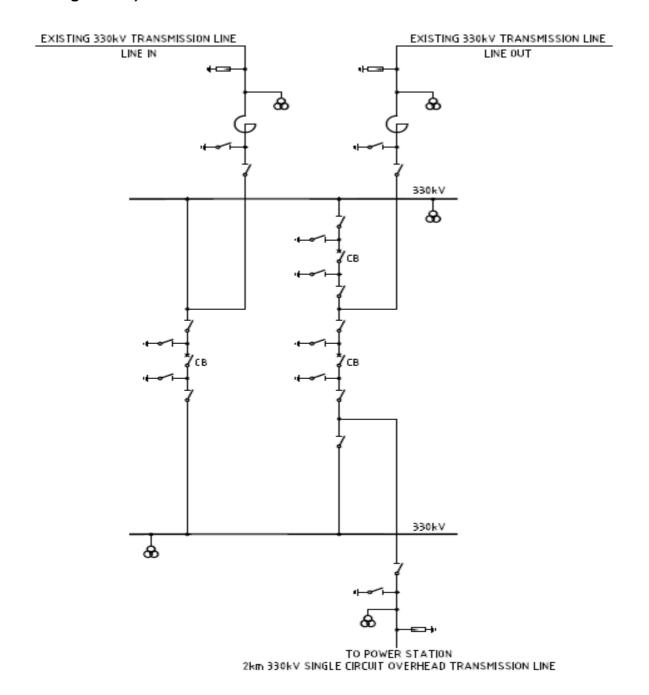
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³ Recent examples of site specific costs are Bluewaters Terminal had an 11 metre drop from one side to the other. New works at Kemerton Terminal to add further capacity have similar height issues, being a sand hill for the west to be removed and a depression to the east to be filled in. Additionally Kemerton has wetland issues throughout the site requiring roadways to be curved to avoid vulnerable locations. These costs are not allowed for.

⁴ See note above for country construction costs

For the purposes of this document only the first of these two items (bay works) is included in the costs for the purposes of the Capital Contribution calculation. The Customer is expected to construct any other works that will allow the connection of their generator to the works constructed by Western Power.

Single Line Diagram (typical three-switch mesh 330 kV substation configuration)



DM#: 6433932v8 Page 4 of 23

Likely network tariffs at each site

The tariffs for a new customer at a new substation are initially determined using an average or other calculation using similar nearby substations as a guide. In subsequent years the actual costs of running the new substation are calculated by a standard process. This means that in the subsequent years the actual Network Access Charges for a specific customer may have an amount of volatility because of the changes made to the SWIS by the insertion of a new node in the network.

Attached in **Appendix A** are tables of tariff calculations for each of the requested areas for price comparison. These tables come from the "Tariff Calculator" spreadsheet used by Western Power. The first page of this Appendix "Base Input Details" is the cover sheet of the Tariff Calculator. This in include to show the basic input data used for this tariff calculation. The figures in the calculations used for each different area are basically the same except for the following:

The "Zone Substation" changes
The cost of the "Connection Asset" varies
The cost of the "O&M Expenses" varies

The above values are as shown in the table below:

Location	Zone Substation	Value of Connection Asset	O&M Expenses for Connection Asset
Pinjar	Pinjar GTs	\$1,500,000	\$36,900
Kwinana	Kwinana PWS	\$1,500,000	\$36,900
Kemerton	Kemerton PWS	\$1,575,000	\$38,745
Collie	Collie PWS	\$1,725,000	\$42,435
Geraldton	Walkaway Windfarm	\$1,650,000	\$40,590
Eneabba	Emu Downs	\$1,725,000	\$42,435
Kalgoorlie	West Kalgoorlie GTs	\$2,025,000	\$49,815

DM#: 6433932v8 Page 5 of 23

Assumptions about each site including likely augmentation

The following information is provided as a guide to the likely scope of augmenting the SWIS to meet forecast demand. The estimates are indicative only and assume (conservatively) that augmentation costs are allocated fully to generators only.

Pinjar Region

Needs North Country Line augmentation, first side as far as Pinjar. Also needs reinforcement between Neerabup and Northern Terminal.

Does not give N-1 under all scenarios in initial period

Cost of Connection Asset: \$1,500,000

O&M Cost of Connection Asset: \$36,900/annum

Cost of Augmentation: \$120,000,000

Applied to 160 MW generator: \$38,400,000

Kwinana Region

Needs major fault level upgrade throughout the Metropolitan Area.

Cost of Connection Asset: \$1,500,000

O&M Cost of Connection Asset: \$36,900/annum

Cost of Augmentation: \$100,000,000

Applied to 160 MW generator: \$48,500,000

Kemerton Industrial Park Region

Needs South West Bulk upgrade and assumes no Muja A/B. Likely to be shared across a number of new generator connections.

Cost of Connection Asset: \$1,575,000

O&M Cost of Connection Asset: \$38,745/annum

Cost of Augmentation: \$220,000,000

Applied to 160 MW generator: \$35,200,000

Collie Region

Need South West Bulk upgrade and assumes no Muja A/B. Likely to be shared across a number of new generator connections.

Cost of Connection Asset: \$1,725,000

O&M Cost of Connection Asset: \$42,350/annum

Cost of Augmentation: \$220,000,000

Applied to 160 MW generator: \$35,200,000

Geraldton Region

Needs North Country Line first circuit to Moonyoonooka. Also needs the reinforcement between Neerabup and Northern Terminal.

DM#: 6433932v8 Page 6 of 23

Does not give N-1 under all scenarios in initial period

Cost of Connection Asset: \$1,650,000

O&M Cost of Connection Asset: \$40,590/annum

Cost of Augmentation: \$660,000,000

Applied to 160 MW generator: \$264,000,000

Eneabba Region

Needs North Country Line first circuit to Eneabba. Also needs the reinforcement between Neerabup and Northern Terminal.

Does not give N-1 under all scenarios in initial period

Cost of Connection Asset: \$1,725,000

O&M Cost of Connection Asset: \$42,435/annum

Cost of Augmentation: \$410,000,000

Applied to 160 MW generator: \$131,200,000

Kalgoorlie Region

Would need a major terminal upgrade and a new transmission line. Any new generation would currently require existing generation to be curtailed.

Does not give N-1 under all scenarios

Cost of Connection Asset: \$2,025,000

O&M Cost of Connection Asset: \$49,150/annum

Cost of Augmentation: \$350,000,000

Applied to 160 MW generator: \$350,000,000

DM#: 6433932v8 Page 7 of 23

Operation and Maintenance Costs

This is a fixed percentage charged based on the capital cost of the assets being operated and maintained. Historically this value is essentially fixed at 2.46% for transmission assets.

This charge only applies to connection assets that are fully funded by proponents and is levied separately as part of the billing mechanism. The O&M costs for shared assets are included in the tariffs.

Capital Contribution Calculations

The following pages provide indicative capital contribution calculations for various regions:

Please note that these values cover only the cost of the interconnection to the SWIS and covers the estimated cost of deep augmentations.

DM#: 6433932v8 Page 8 of 23

Pinjar Region

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DM#: 6433932v8 Page 9 of 23

Kwinana Region

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Kemerton Industrial Park Region

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19	Capital Cost of Connection Assets [\$ Nominal]	1,575,000					1,575,000	
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23 24 25 27 28 29 30 31 32 Mod 34 35 36 Peri 38	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period	0.00% 2012 1,353,712 0.000%	assume 0% first year (e assume 0% years (no lo	xclude GST) - unless advise nger than 15)	d by Regulation in today's dollar d by Regulation	n, Pricing & Acc	cess Developmer	
23 24 25 27 28 29 30 31 32 40 35 36 2eri 38 39	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options	0.00% 2012 1,353,712 0.000%	assume 0% first year (e assume 0% years (no lo	xclude GST) - unless advise nger than 15)	d by Regulation in today's dollar d by Regulation	n, Pricing & Acc	cess Developmer	
23 24 25 27 28 29 30 31 32 40 35 36 2eri 38 39 40	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs	0.00% 2012 1,353,712 0.000% 15 Security in p	assume 0% first year (e assume 0% years (no lo assume "Si	xclude GST) - unless advise nger than 15)	d by Regulation in today's dollar d by Regulation (full amount)" u	n, Pricing & Acc	cess Developmer	
23 24 25 27 28 29 30 31 32 Mod 34 35 36 Peri 38 39 40 41	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk lel Outputs ttal Contribution Ca	0.00% 2012 1,353,712 0.000%	assume 0% first year (e assume 0% years (no lo assume "Si	xclude GST) - unless advise nger than 15)	d by Regulation in today's dollar d by Regulation (full amount)" u	n, Pricing & Acc	cess Developmer	
23 24 25 27 28 29 30 31 32 Mod 34 35 36 Peri 38 39 40 41 Mod 2ap	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs tal Contribution Ca Calculated Capital Contribution	0.00% 2012 1,353,712 0.000% 15 Security in p	assume 0% first year (e assume 0% years (no lo assume "Si	xclude GST) - unless advise nger than 15) nger than 5) ecurity in place	d by Regulation in today's dollar d by Regulation (full amount)" u	n, Pricing & Acc	cess Developmer	
23 24 25 27 28 29 30 31 32 40 35 36 20 31 35 36 20 40 41 41 44 45	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs ital Contribution Calculated Capital Contribution Capital Contribution for Shared Assets	0.00% 2012 1,353,712 0.000% 15 Security in p	assume 0% first year (e assume 0% years (no lo assume "Si	exclude GST) - s unless advise nger than 15) nger than 5) eccurity in place 5,008,083	d by Regulation in today's dollar d by Regulation (full amount)" u	n, Pricing & Acc 'S's n, Pricing & Acc unless advised I	cess Developmer	
23 24 25 27 28 29 30 31 32 Mod 34 35 36 Peri 38 39 40 41 Mod 44 45 46	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs ttal Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	0.00% 2012 1,353,712 0.000% 15 Security in p pital Contribution (50,080,833 1,575,000	assume 0% first year (e assume 0% years (no lo assume "Si	exclude GST) - values advise exclude GST) - values advise inger than 15) excurity in place 6ST 5,008,083 157,500	d by Regulation in today's dollar d by Regulation (full amount)" u	n, Pricing & Acc s, Pricing & Acc unless advised in the state of the	cess Developmer	
23 24 25 25 27 27 28 29 9 80 81 83 83 84 83 83 9 9 9 10 8 11 11 14 14 14 14 15 16 16 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs ital Contribution Calculated Capital Contribution Capital Contribution for Shared Assets	0.00% 2012 1,353,712 0.000% 15 Security in p pital Contribution (50,080,833 1,575,000 51,655,833	first year (e assume 0% years (no lo assume "Si ex-GST)	exclude GST) - values advise exclude GST) - values advise nger than 15) exclude GST) - values advise figure 15,008,083 figure 157,500 figure 15,165,583	in today's dollar d by Regulation (full amount)" u	n, Pricing & Acc s n, Pricing & Acc unless advised l 55,088,916 1,732,500 56,821,416	by Treasury	
23 24 25 27 28 29 30 31 32 40 35 36 20 31 35 36 20 41 41 41 44 45	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs ttal Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	0.00% 2012 1,353,712 0.000% 15 Security in p pital Contribution (50,080,833 1,575,000 51,655,833	first year (e assume 0% years (no lo assume "Si ex-GST)	exclude GST) - values advise exclude GST) - values advise nger than 15) exclude GST) - values advise figure 15,008,083 figure 157,500 figure 15,165,583	in today's dollar d by Regulation (full amount)" u	n, Pricing & Acc s, Pricing & Acc unless advised in the state of the	by Treasury	

DM#: 6433932v8 Page 11 of 23

Collie Region

Ref		10	11	12		17	15
	lel Inputs						
• •	licant Details						
5 6	Applicant Details Applicant Name	IMO Sample	Conorator (Collin			
0 7	Applicant Name	IIIIO Salliple	Generator	JUIIIE			
•	nomic Parameters						
9	Regulated WACC						
10	WACC (real pre-tax)	6.76%					
11	WACC (nominal pre-tax)	10.07%					
12	RBA Indicator Rate	8.80%	RBA Large	Business Indi	cator Rate		
13							
	et Parameters						
15	Capital Costs	0040					
16	Construction Commences in Year Ending 30 June	2010	0044	2042	2042	0044	TOTAL
17 18	Year Ending 30 June Capital Cost of Shared Assets (\$ Nominal)	2010 52,450,000	2011	2012	2013	2014	TOTAL 52,450,000 externa
10 19	Capital Cost of Shared Assets [\$ Nominal]	1,725,000					1,725,000 externa
20	Total Costs [\$ Nominal]	54,175,000		0 0	0	0	54,175,000
21	Total Oosts [y Norminal]	04,170,000	,	0	U	U	от, 17 0,000
22	Operating Costs						
	•						
	O&M Costs of Shared Assets	1,290,270	3% dist/2.4	6% trans inter	nal cost - in tod	ay's dollars	
23	O&M Costs of Shared Assets O&M annual escalation (real)					•	cess Development
23 24 25	O&M annual escalation (real)					•	cess Development
23 24 25 op	O&M annual escalation (real)					•	cess Development
23 24 25 1 pp 27	O&M annual escalation (real) licant Parameters Covered Service Revenue	0.00%				•	cess Development
23 24 25 App 27 28	O&M annual escalation (real)					•	cess Development
23 24 25 App 27 28 29	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June	2012	assume 0%	6 unless advise	ed by Regulatio	n, Pricing & Acc	cess Development
23 24 25 27 27 28 29	O&M annual escalation (real) ficant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue	2012 1,412,112	assume 0%	6 unless advise	ed by Regulatio	n, Pricing & Acc	
23 24 25 27 28 29 30	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June	2012 1,412,112	assume 0%	6 unless advise	ed by Regulatio	n, Pricing & Acc	cess Development
23 24 25 27 28 29 30 31	O&M annual escalation (real) ficant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue	2012 1,412,112	assume 0%	6 unless advise	ed by Regulatio	n, Pricing & Acc	
23 24 25 27 28 29 30 31	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	2012 1,412,112	assume 0%	6 unless advise	ed by Regulatio	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32	O&M annual escalation (real) flicant Parameters: Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	0.00% 2012 1,412,112 0.000%	assume 09 first year (e assume 09	6 unless advise	ed by Regulatio	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 84 35	O&M annual escalation (real) Iticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) In Parameters Model Discounted Cashflow Period	0.00% 2012 1,412,112 0.000%	assume 09 first year (e assume 09	6 unless advise exclude GST) - 6 unless advise	ed by Regulatio	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 Mor 34 35 36	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments	0.00% 2012 1,412,112 0.000%	assume 09 first year (e assume 09	6 unless advise exclude GST) - 6 unless advise	ed by Regulatio	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 400 34 35 36 Peri	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options	0.00% 2012 1,412,112 0.000%	assume 09 first year (¢ assume 09 years (no le	6 unless advise exclude GST) - 6 unless advise onger than 15)	ed by Regulatio	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 400 34 35 36 Peri	O&M annual escalation (real) flicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) flet Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period	0.00% 2012 1,412,112 0.000%	assume 09 first year (e assume 09 years (no le	6 unless advise exclude GST) - 6 unless advise onger than 15)	ed by Regulation in today's dollated by Regulation	n, Pricing & Acc ars n, Pricing & Acc	cess Development
23 24 25 27 28 29 30 31 32 Moc 34 35 36 Peri 38	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options	0.00% 2012 1,412,112 0.000%	assume 09 first year (e assume 09 years (no le	6 unless advise exclude GST) - 6 unless advise onger than 15)	ed by Regulation in today's dollated by Regulation	n, Pricing & Acc	cess Development
23 24 25 27 28 29 30 31 32 Mod 35 36 Peri 38 39 40	O&M annual escalation (real) Iticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) In Parameters Model Discounted Cashflow Period Odic Payments Payment Options Periodic Payment Period Credit Risk	0.00% 2012 1,412,112 0.000%	assume 09 first year (e assume 09 years (no le	6 unless advise exclude GST) - 6 unless advise onger than 15)	ed by Regulation in today's dollated by Regulation	n, Pricing & Acc ars n, Pricing & Acc	cess Development
23 24 25 27 28 29 30 31 32 40 35 36 20 41 41 40 40	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs	0.00% 2012 1,412,112 0.000% 15 Security in p	first year (¢ assume 0% years (no lo assume "S	exclude GST) - 6 unless advise conger than 15) conger than 5) ecurity in place	ed by Regulation in today's dollated by Regulation of the control	n, Pricing & Acc ars n, Pricing & Acc unless advised	cess Development
23 24 25 27 28 29 30 31 32 Mod 34 35 36 2eri 38 39 40 41	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs	0.00% 2012 1,412,112 0.000%	first year (¢ assume 0% years (no lo assume "S	6 unless advise exclude GST) - 6 unless advise onger than 15)	ed by Regulation in today's dollated by Regulation of the control	n, Pricing & Acc ars n, Pricing & Acc	cess Development
23 24 25 27 28 29 30 31 32 83 83 9 40 41 Moc 2ap	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs let Outputs lital Contribution Capita	0.00% 2012 1,412,112 0.000% 15 Security in p	first year (¢ assume 0% years (no lo assume "S	exclude GST) - 6 unless advise conger than 15) conger than 5) ecurity in place	ed by Regulation in today's dollated by Regulation of the control	n, Pricing & Acc ars n, Pricing & Acc unless advised	cess Development
23 24 25 27 28 29 30 31 32 60 34 35 36 40 41	O&M annual escalation (real) Iticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Icl Parameters Model Discounted Cashflow Period Odic Payments Payment Options Periodic Payment Period Credit Risk Ital Contribution Capital Contribution Capital Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	0.00% 2012 1,412,112 0.000% 15 Security in p 1 Contribution (51,394,599 1,725,000	first year (¢ assume 0% years (no lo assume "S	exclude GST) - 6 unless advise conger than 15) conger than 5) ecurity in place 6ST 5,139,460 172,500	ed by Regulation in today's dollated by Regulation of the control	unless advised 56,534,059 1,897,500	cess Development
23 24 25 25 27 28 29 30 31 33 35 36 44 40 40 40 40 40 40 40 40 40 40 40 40	O&M annual escalation (real) Iticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Idel Parameters Model Discounted Cashflow Period Odic Payments Payment Options Periodic Payment Period Credit Risk Ital Contribution Capital Contribution Capital Contribution for Shared Assets	0.00% 2012 1,412,112 0.000% 15 Security in p 1 Contribution (51,394,599 1,725,000 53,119,599	first year (¢ assume 0% years (no lo assume "S	exclude GST) - 6 unless advise conger than 15) conger than 5) ecurity in place GST 5,139,460 172,500 5,311,960	in today's dolladed by Regulation	unless advised 56,534,059 1,897,500 58,431,559	by Treasury
23 24 25 27 27 28 29 30 31 32 44 35 66 66 61 11 10 10 10 11	O&M annual escalation (real) Iticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Icl Parameters Model Discounted Cashflow Period Odic Payments Payment Options Periodic Payment Period Credit Risk Ital Contribution Capital Contribution Capital Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	0.00% 2012 1,412,112 0.000% 15 Security in p 1 Contribution (51,394,599 1,725,000 53,119,599	first year (¢ assume 0% years (no lo assume "S	exclude GST) - 6 unless advise conger than 15) conger than 5) ecurity in place GST 5,139,460 172,500 5,311,960	in today's dolladed by Regulation	unless advised 56,534,059 1,897,500	by Treasury

DM#: 6433932v8 Page 12 of 23

Geraldton Region

	stern Power Revised Access Arrangement Capital Contribu	tion Model				/esternp	ower
Ref		10	11	12	13	14 I	15
	el Inputs licant Détails						
5	Applicant Details						
6	Applicant Name	IMO Sample	Generator (Geraldton Geraldton			
7							
Eco	nomic Parameters						
9	Regulated WACC						
10	WACC (real pre-tax)	6.76%					
11	WACC (nominal pre-tax) RBA Indicator Rate	10.07%	DDA Lorgo	Duainaga India	otor Doto		
12 13	KDA IIIUICAIOI Kale	0.0070	KDA Laige	Business Indica	alui Kale		
	et Parameters						
	Capital Costs						
16	Construction Commences in Year Ending 30 June	2010					
17	Year Ending 30 June	2010	2011	2012	2013	2014	TOTAL
18	Capital Cost of Shared Assets [\$ Nominal]	280,500,000					280,500,000 ex
19	Capital Cost of Connection Assets [\$ Nominal]	1,650,000					1,650,000 ex
20 21	Total Costs [\$ Nominal]	282,150,000	(0	0	0	282,150,000
21 22	Operating Costs						
23	O&M Costs of Shared Assets	6.900.300	3% dist/2 4	6% trans intern	al cost - in today	s dollars	
24	O&M annual escalation (real)						ess Development
	,					i nong windo	
					, · g,	i noing a rioc	
\pp	icant Parameters				, ,	Thomas a 7.00	
App l 27	Covered Service Revenue	0040			,,	Thomas a rice	, and a second
1pp 27 28		2012			,	Thomas a rice	, and the second
<mark>App</mark> 27 28 29	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June					Thomas a noo	
App 27 28 29 30	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue	1,621,768	first year (e	xclude GST) - i	n today's dollars		
27 28 29 30	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June	1,621,768	first year (e	xclude GST) - i	n today's dollars		cess Development
Appl 227 228 229 330 331 332	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	1,621,768	first year (e	xclude GST) - i	n today's dollars		
App 27 28 29 30 31 32 Mod 34	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model	1,621,768 0.000%	first year (e assume 0%	xclude GST) - i s unless advised	n today's dollars		
Appl 27 28 29 30 31 32 Mod 34	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	1,621,768 0.000%	first year (e assume 0%	xclude GST) - i	n today's dollars		
27 28 29 30 31 32 Mod 34 35	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period	1,621,768 0.000%	first year (e assume 0%	xclude GST) - i s unless advised	n today's dollars		
Appl 27 28 29 30 31 32 Mod 34 35 36	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period	1,621,768 0.000%	first year (e assume 0%	xclude GST) - i s unless advised	n today's dollars		
27 28 29 30 31 32 Mod 34 35 36 Perid 38	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options	1,621,768 0.000%	first year (e assume 09 years (no lo	xclude GST) - i 5 unless advised onger than 15)	n today's dollars		
27 28 29 30 31 32 Mod 34 35 36 Peril 38	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period	1,621,768 0.000%	first year (e assume 09 years (no lo	xclude GST) - i is unless advised onger than 15)	n today's dollars	Pricing & Acc	eess Development
Appl 27 28 29 30 31 32 Mod 35 36 Perio 38 39 40 41	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk	1,621,768 0.000%	first year (e assume 09 years (no lo	xclude GST) - i is unless advised onger than 15)	n today's dollars	Pricing & Acc	eess Development
27 28 29 30 31 32 Mod 34 35 36 Perio 38 39 40 41	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs	1,621,768 0.000% 15 0 Security in p	first year (e assume 09 years (no lo years (no lo assume "S	xclude GST) - i is unless advised onger than 15) onger than 5) ecurity in place	n today's dollars d by Regulation, (full amount)" un	Pricing & Acc	eess Development
Appl 27 28 29 30 31 32 Mod 34 35 36 Perio 38 39 40 41 Mod Capi	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs tal Contribution Capit	1,621,768 0.000%	first year (e assume 09 years (no lo years (no lo assume "S	xclude GST) - i is unless advised onger than 15)	n today's dollars d by Regulation, (full amount)" un	Pricing & Acc	eess Development
27 28 29 30 31 32 Mod 34 35 36 Perio 38 39 40 41 Mod Capi	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs tal Contribution Capital	1,621,768 0.000% 15 Security in p	first year (e assume 09 years (no lo years (no lo assume "S	xclude GST) - i is unless advised onger than 15) onger than 5) ecurity in place	n today's dollars d by Regulation, (full amount)" un	Pricing & Acco	eess Development
27 28 29 30 31 32 Mod 334 335 36 Perio 38 39 40 41 Mod 41 Mod 41	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs tal Contribution Capital Contribution Capital Contribution for Shared Assets	1,621,768 0.000% 15 0 Security in p	first year (e assume 09 years (no lo years (no lo assume "S	xclude GST) - i is unless advised onger than 15) onger than 5) ecurity in place GST 28,050,000	n today's dollars d by Regulation, (full amount)" un	Pricing & Acco	eess Development
27 28 29 30 31 32 Vod 34 35 36 Perio 38 39 40 41 Mod 2api 44 45 46	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs tal Contribution Capital Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	1,621,768 0.000% 15 0 Security in p 280,500,000 1,650,000	first year (e assume 09 years (no lo years (no lo assume "S	exclude GST) - i s unless advised onger than 15) onger than 5) ecurity in place CST 28,050,000 165,000	n today's dollars d by Regulation, (full amount)" un	Pricing & Acco	eess Development
27 28 29 30 31 32 Wood 34 35 36 Perio 38 39 40 41 Mod 2api 44 45 46 47	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs tal Contribution Capital Contribution Capital Contribution for Shared Assets	1,621,768 0.000% 15 0 Security in p 280,500,000 1,650,000 282,150,000	first year (e assume 09 years (no lo years (no lo assume "S	ecurity in place 28,050,000 165,000 28,215,000	n today's dollars d by Regulation, (full amount)" un	Pricing & Acc less advised al (inc-GST) 08,550,000 1,815,000 10,365,000	eess Development
27 28 29 30 31 32 Vod 34 35 36 Perio 38 39 40 41 Mod 2api 44 45 46	Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) el Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk el Outputs tal Contribution Capital Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	1,621,768 0.000% 15 0 Security in p 280,500,000 1,650,000 282,150,000	first year (e assume 09 years (no lo years (no lo assume "S	ecurity in place 28,050,000 165,000 28,215,000	n today's dollars d by Regulation, (full amount)" un	Pricing & Acc less advised al (inc-GST) 08,550,000 1,815,000 10,365,000	eess Development

DM#: 6433932v8 Page 13 of 23

Eneabba Region

Ref		10	11	12	IJ	14	15
	lel Inputs						
• •	licant Details						
5 6	Applicant Details Applicant Name	IMO Sample (Congrator	Enoabba			
7	Applicant Name	illio Salliple	Jeneralui	LIICANNA			
•	nomic Parameters						
9	Regulated WACC						
10	WACC (real pre-tax)	6.76%					
11	WACC (nominal pre-tax)	10.07%					
12	RBA Indicator Rate	8.80%	RBA Large	Business Indic	ator Rate		
13							
	et Parameters						
15	Capital Costs	0040					
16	Construction Commences in Year Ending 30 June	2010	2044	2042	2042	2044	TOTAL
17 18	Year Ending 30 June Capital Cost of Shared Assets (\$ Nominal)	2010 148,450,000	2011	2012	2013	2014	
19	Capital Cost of Shared Assets [\$ Nominal]	1,725,000					148,450,000 exter 1,725,000 exter
20	Total Costs [\$ Nominal]	150,175,000		0 0	0	0	150,175,000
21	Total Oosts [y Norminal]	100,170,000		0 0	V	U	100,170,000
22	Operating Costs						
23	O&M Costs of Shared Assets	3,651,870	3% dist/2.4	16% trans intern	al cost - in tod	ay's dollars	
	O&M Costs of Shared Assets O&M annual escalation (real)			16% trans intern % unless advise			cess Development
24 25	O&M annual escalation (real)						cess Development
24 25 <mark>App</mark>	O&M annual escalation (real)						cess Development
24 25 <mark>App</mark> 27	O&M annual escalation (real) licant Parameters Covered Service Revenue	0.00%					cess Development
24 25 Apr 27 28	O&M annual escalation (real)						cess Development
24 25 Apr 27 28 29	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June	2012	assume 0°	% unless advise	d by Regulatio	n, Pricing & Aco	cess Development
24 25 Apr 27 28 29 30	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue	2012 1,333,856	assume 09	% unless advise	d by Regulatio	n, Pricing & Aco	
24 25 Apr 27 28 29 30 31	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June	2012 1,333,856	assume 09	% unless advise	d by Regulatio	n, Pricing & Aco	cess Development
24 25 27 28 29 30 31	O&M annual escalation (real) ficant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	2012 1,333,856	assume 09	% unless advise	d by Regulatio	n, Pricing & Aco	
24 25 Apr 27 28 29 30 31 32	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue	2012 1,333,856	assume 09	% unless advise	d by Regulatio	n, Pricing & Aco	
24 25 27 28 29 30 31 32 More 34	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	2012 1,333,856 0.000%	assume 09 first year (e assume 09	% unless advise	d by Regulatio	n, Pricing & Aco	
24 25 27 28 29 30 31 32 40 34 35 36	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) lel Parameters Model Discounted Cashflow Period	2012 1,333,856 0.000%	assume 09 first year (e assume 09	% unless advise exclude GST) - % unless advise	d by Regulatio	n, Pricing & Aco	
24 25 27 28 29 30 31 32 Mod 34 35 36	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period	2012 1,333,856 0.000%	assume 09 first year (e assume 09	% unless advise exclude GST) - % unless advise	d by Regulatio	n, Pricing & Aco	
24 25 27 28 29 30 31 32 Mod 35 36 Peri 38	O&M annual escalation (real) ficant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) fel Parameters Model Discounted Cashflow Period odic Payments Payment Options	0.00% 2012 1,333,856 0.000%	first year (cassume 09)	% unless advise exclude GST) - % unless advise onger than 15)	d by Regulatio	n, Pricing & Aco	
24 25 Apr 27 28 29 30 31 32 Mod 34 35 36 Peri 38	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period	0.00% 2012 1,333,856 0.000%	assume 09 first year (e assume 09 years (no l	% unless advise exclude GST) - % unless advise onger than 15)	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Aco	cess Development
24 25 27 28 29 30 31 32 Mod 34 35 36 Peri 38 39 40	O&M annual escalation (real) ficant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) fel Parameters Model Discounted Cashflow Period odic Payments Payment Options	0.00% 2012 1,333,856 0.000%	assume 09 first year (e assume 09 years (no l	% unless advise exclude GST) - % unless advise onger than 15)	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Aco	cess Development
24 25 27 28 29 30 31 32 Wood 34 35 36 Peri 38 39 40 41	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk	0.00% 2012 1,333,856 0.000%	assume 09 first year (e assume 09 years (no l	% unless advise exclude GST) - % unless advise onger than 15)	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Aco	cess Development
24 25 27 28 29 30 31 32 Mor 34 35 36 Peri 38 39 40 41	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs	0.00% 2012 1,333,856 0.000% 15 Security in p	first year (e assume 0° years (no l years (no l assume "S	% unless advise exclude GST) - % unless advise onger than 15) onger than 5) iecurity in place	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Aco	cess Development
27 28 29 30 31 32 Mor 34 35 36 Peri 38 39 40 41 Mor 41	O&M annual escalation (real) ficant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) fel Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk fel Outputs fel Outputs fel Outputs	0.00% 2012 1,333,856 0.000%	first year (e assume 0° years (no l years (no l assume "S	% unless advise exclude GST) - % unless advise onger than 15)	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Aco	cess Development
24 25 27 28 29 30 31 32 Mor 34 35 36 Peri 38 39 40 41 Mor	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs	0.00% 2012 1,333,856 0.000% 15 Security in p	first year (e assume 0° years (no l years (no l assume "S	% unless advise exclude GST) - % unless advise onger than 15) onger than 5) iecurity in place	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Aco	cess Development
24 25 27 28 29 30 31 32 Mor 34 35 36 Peri 38 39 40 41 Mor 41	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs Ital Contribution Capita Calculated Capital Contribution	0.00% 2012 1,333,856 0.000% 15 Security in p	first year (e assume 0° years (no l years (no l assume "S	wexclude GST) - which conger than 15) conger than 5) decurity in place	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Aco	cess Development
24 25 27 28 29 30 31 32 Mor 34 35 36 Per 38 39 40 41 Mor 44 45 46	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs Ital Contribution Capital Contribution Capital Contribution for Shared Assets	0.00% 2012 1,333,856 0.000% 15 Security in p	first year (e assume 0° years (no l years (no l assume "S	exclude GST) - 6 worder than 15) onger than 5) decurity in place GST 14,845,000	d by Regulatio in today's dolla d by Regulatio	n, Pricing & Acourse n, Pricing & Acourse n, Pricing & Acourse otal (Inc-GST)	cess Development
24 25 27 28 29 29 330 331 332 335 336 40 41 41 45 46 47 48	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs ttal Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets Total Capital Contribution	0.00% 2012 1,333,856 0.000% 15 Contribution (148,450,000 1,725,000 150,175,000	first year (e assume 0° years (no l assume "S	exclude GST) - 1% unless advise onger than 15) onger than 5) decurity in place	d by Regulatio in today's dolla d by Regulatio (full amount)"	n, Pricing & Acourse n, Pricin	cess Development by Treasury
24 App 225 App 227 228 229 330 331 332 Mood 34 40 41 Mood 41 Mood 44 44 44 45 46 46 47	O&M annual escalation (real) licant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) let Parameters Model Discounted Cashflow Period odic Payments Payment Options Periodic Payment Period Credit Risk let Outputs ital Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	0.00% 2012 1,333,856 0.000% 15 Contribution (148,450,000 1,725,000 150,175,000	first year (e assume 0° years (no l assume "S	exclude GST) - 1% unless advise onger than 15) onger than 5) iecurity in place 44,845,000 172,500 15,017,500	d by Regulatio in today's dolla d by Regulatio (full amount)"	n, Pricing & Acourse n, Pricin	cess Development by Treasury

DM#: 6433932v8 Page 14 of 23

Kalgoorlie Region

Ref		10	11	12	10	14 '	15
	del Inputs						
5	Applicant Details Applicant Details						
6	Applicant Name	IMO Sample	Generator	Kalgoorlie			
7	77	mo oumpro					
CC	nomic Parameters						
9	Regulated WACC						
10	WACC (real pre-tax)	6.76%					
11	WACC (nominal pre-tax)	10.07%	DDALL	. D ' I. l'	(D . (.		
12 13	RBA Indicator Rate	8.80%	RBA Larg	e Business Indi	cator Kate		
	et Parameters						
15	Capital Costs						
16	Construction Commences in Year Ending 30 June	2010					
17	Year Ending 30 June	2010	2011	2012	2013	2014	TOTAL
18	Capital Cost of Shared Assets [\$ Nominal]	370,250,000					370,250,000 exter
19	Capital Cost of Connection Assets [\$ Nominal]	2,025,000					2,025,000 exter
20	Total Costs [\$ Nominal]	372,275,000		0 0	0	0	372,275,000
21 22	Operating Costs						
	Operating costs						
	O&M Costs of Shared Assets	9.108.150	3% dist/2	46% trans inter	nal cost - in toda	av's dollars	
23	O&M Costs of Shared Assets O&M annual escalation (real)			46% trans inter			cess Development
23 24	O&M Costs of Shared Assets O&M annual escalation (real)						cess Development
23 24 25	O&M annual escalation (real)						cess Development
23 24 25 27	O&M annual escalation (real) Micant Parameters Covered Service Revenue	0.00%					cess Development
23 24 25 27 28	O&M annual escalation (real)						cess Development
23 24 25 27 28 29	O&M annual escalation (real) Slicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June	2012	assume 0	% unless advis	ed by Regulation	n, Pricing & Acc	cess Development
23 24 25 27 28 29 30	O&M annual escalation (real) Dicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue	2012 1,181,432	assume 0	% unless advison	ed by Regulation	n, Pricing & Acc	
23 24 25 27 28 29 30	O&M annual escalation (real) Slicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June	2012 1,181,432	assume 0	% unless advison	ed by Regulation	n, Pricing & Acc	cess Development
23 24 25 Apr 27 28 29 30 31 32	O&M annual escalation (real) Ilicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	2012 1,181,432	assume 0	% unless advison	ed by Regulation	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 Mod 34	O&M annual escalation (real) Dicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) del Parameters Model	0.00% 2012 1,181,432 0.000%	assume 0 first year assume 0	% unless adviso (exclude GST) - % unless adviso	ed by Regulation	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 40 34	O&M annual escalation (real) Ilicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real)	0.00% 2012 1,181,432 0.000%	assume 0 first year assume 0	% unless advison	ed by Regulation	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 40 34 35 36	O&M annual escalation (real) Sticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Sel Parameters Model Discounted Cashflow Period	0.00% 2012 1,181,432 0.000%	assume 0 first year assume 0	% unless adviso (exclude GST) - % unless adviso	ed by Regulation	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 Moi 34 35 36	O&M annual escalation (real) Silicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) del Parameters Model Discounted Cashflow Period	0.00% 2012 1,181,432 0.000%	assume 0 first year assume 0	% unless adviso (exclude GST) - % unless adviso	ed by Regulation	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 Mo 35 36 Per 38	O&M annual escalation (real) Sticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Sel Parameters Model Discounted Cashflow Period	0.00% 2012 1,181,432 0.000%	first year assume 0	% unless adviso (exclude GST) - % unless adviso	ed by Regulation	n, Pricing & Acc	
23 24 25 27 28 29 30 31 32 40 35 36 20 37 38 39	O&M annual escalation (real) Micant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Model Discounted Cashflow Period Discounted Cashflow Period Modic Payments Payment Options	0.00% 2012 1,181,432 0.000%	first year of assume 0 years (no years (no	% unless adviso (exclude GST) - % unless adviso longer than 15)	ed by Regulation in today's dolla ed by Regulation	rs n, Pricing & Acc	cess Development
23 24 25 27 28 29 30 31 32 40 35 36 20 38 39 40 41	O&M annual escalation (real) Sticant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Sel Parameters Model Discounted Cashflow Period Social Payments Payment Options Periodic Payment Period Credit Risk	0.00% 2012 1,181,432 0.000%	first year of assume 0 years (no years (no	% unless advisor (exclude GST) - % unless advisor longer than 15)	ed by Regulation in today's dolla ed by Regulation	rs n, Pricing & Acc	cess Development
23 24 25 27 28 29 30 31 32 40 35 36 20 34 35 36 20 40 41	O&M annual escalation (real) Silicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Selection of the Applicant Tariff Revenue annual escalation (real) Selection of the Applicant Tariff Revenue annual escalation (real) Selection of the Applicant Tariff Revenue annual escalation (real) Selection of the Applicant Tariff Revenue annual escalation (real)	0.00% 2012 1,181,432 0.000% 15	first year assume 0 years (no	% unless advison (exclude GST) - 1% unless advison longer than 15) longer than 5) Security in place	ed by Regulation in today's dolla ed by Regulation e (full amount)"	n, Pricing & Acc	cess Development by Treasury
23 24 25 27 28 29 30 31 32 Mo 34 35 36 er 38 39 40 41	O&M annual escalation (real) Silicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) del Parameters Model Discounted Cashflow Period todic Payments Payment Options Periodic Payment Period Credit Risk del Outputs otal Contribution Capit	0.00% 2012 1,181,432 0.000%	first year assume 0 years (no	% unless advisor (exclude GST) - % unless advisor longer than 15)	ed by Regulation in today's dolla ed by Regulation e (full amount)"	rs n, Pricing & Acc	cess Development by Treasury
23 24 25 27 28 29 30 31 32 Mo 34 35 36 2er 38 39 40 41 Mo 41	O&M annual escalation (real) Dicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) del Parameters Model Discounted Cashflow Period lodic Payments Payment Options Periodic Payment Period Credit Risk del Outputs oldated Capital Contribution Capit Calculated Capital Contribution	0.00% 2012 1,181,432 0.000% 15 Security in p	first year assume 0 years (no	% unless advisor (exclude GST) - % unless advisor longer than 15) longer than 5) Security in place	ed by Regulation in today's dolla ed by Regulation e (full amount)"	n, Pricing & According to the According	cess Development by Treasury
23 24 25 25 27 27 28 29 30 31 33 32 40 40 41 41 41 44 45	O&M annual escalation (real) Dicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) del Parameters Model Discounted Cashflow Period Odic Payments Payment Options Periodic Payment Period Credit Risk del Outputs Odal Contribution Capital Contribution Capital Contribution for Shared Assets	0.00% 2012 1,181,432 0.000% 15 Security in p 370,250,000	first year assume 0 years (no	% unless advison (exclude GST) - 1% unless advison longer than 15) longer than 5) Security in place GST 37,025,000	ed by Regulation in today's dolla ed by Regulation e (full amount)"	rs n, Pricing & Acc rs n, Pricing & Acc unless advised total (inc-GST).	cess Development by Treasury
23 24 225 App 227 227 228 228 330 331 332 240 40 41 141 445 445 446	O&M annual escalation (real) Discant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Jel Parameters Model Discounted Cashflow Period Joic Payments Payment Options Periodic Payment Period Credit Risk Jel Outputs Mal Contribution Capital Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	0.00% 2012 1,181,432 0.000% 15 Security in p 21 Contribution (370,250,000 2,025,000	first year assume 0 years (no	(exclude GST) - (exclude GST) - (w unless advisor (onger than 15) (onger than 5)	ed by Regulation in today's dolla ed by Regulation e (full amount)"	n, Pricing & Acc rs n, Pricing & Acc unless advised 407,275,000 2,227,500	cess Development by Treasury
23 24 25 25 27 27 27 28 29 330 31 332 36 2 29 36 36 2 20 37 37 37 37 37 37 37 37 37 37 37 37 37	O&M annual escalation (real) Dicant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) del Parameters Model Discounted Cashflow Period Odic Payments Payment Options Periodic Payment Period Credit Risk del Outputs Odal Contribution Capital Contribution Capital Contribution for Shared Assets	0.00% 2012 1,181,432 0.000% 15 Security in p 370,250,000 2,025,000 372,275,000	first year assume 0 years (no years (no assume "	% unless advison (exclude GST) - 1% unless advison longer than 15) longer than 5) Security in place GST 37,025,000	in today's dolla ed by Regulation	n, Pricing & Acc rs n, Pricing & Acc unless advised 407,275,000 2,227,500 409,502,500	cess Development by Treasury
23 24 25 App 27 27 28 29 29 330 331 332 40 40 41 41 45 44 45 44 47	O&M annual escalation (real) Discant Parameters Covered Service Revenue Applicant Revenue Commences in Year Ending 30 June Applicant Tariff Revenue Applicant Tariff Revenue annual escalation (real) Jel Parameters Model Discounted Cashflow Period Joic Payments Payment Options Periodic Payment Period Credit Risk Jel Outputs Mal Contribution Capital Contribution Capital Contribution for Shared Assets Capital Contribution for Connection Assets	0.00% 2012 1,181,432 0.000% 15 Security in p 370,250,000 2,025,000 372,275,000	first year assume 0 years (no years (no assume "	(exclude GST) - (exclude GST) - (wunless advisor longer than 15) longer than 5) Security in place GST 37,025,000 202,500 37,227,500	in today's dolla ed by Regulation	n, Pricing & Acc rs n, Pricing & Acc unless advised 407,275,000 2,227,500 409,502,500	cess Development by Treasury

DM#: 6433932v8 Page 15 of 23

Appendix A

Base Input Details



DATA ENTRY AREA LOCATIONAL INFORMATION **Premises Business Network System Connection** Transmission (66, 132, 330kV) **Exit/Entry Point** Entry **Zone Substation** Pinjar GTs **WPJR Zone Substation TNI Pricing Zone** Distance to Zone Substation (km) Connected directly at zone substation? METERING INFORMATION **Meter Type Number of Metering Installations** ANNUAL ENERGY CONSUMPTION INFORMATION **Electricity Consumed (kWh) On-Peak Electricity Consumed (kWh)** Off-Peak Electricity Consumed (kWh) DEMAND INFORMATION Forecasted Maximum Demand (kVA) Forecasted Maximum Demand (kW) 160000 **Declared Sent Out Capacity (kW)** Generator nameplate output (kW) 180000 TRANSMISSION CONNECTION ASSETS **Value of Connection Assets** 1500000 50 **Economic life of Connection Assets** 36900 **O&M** expenses on the Connection Assets 6.76% WACC - Real pre-tax **DISTRIBUTION ENTRY POINTS Distribution Loss Factor** STREETLIGHT ASSETS **Streetlight Asset** OTHER INFORMATION Nominated no of days in a month

The Substation is varied as necessary for the following tables.

Number of days in the year

DM#: 6433932v8 Page 16 of 23

365

Pinjar Region

TRT2 - Transmission Entry

Tariff Inputs

Declared Sent Out Capacity (kW)

Generator nameplate output (kW)

Zone substation

Transmission Node Identifier

Value of Connection Assets

Economic life of Connection Assets

O&M expenses on the Connection Assets

WACC

160000

Pinjar GTs

WPJR

VPJR

36900

6.76%

Updated: 7 May 2009 - 2009/10 Price List (Approved) 20/10/2009 9:20

Note: Set to zero if full cap con received for connection assets

Note: Always confirm the User Specific Charge with Regulation, Pricing and Access Development.

Tariff Calculation

		Daily & GS	T Exclusive			GST Inclusi	ve
	Units	Rate	Charge	GST	Daily	Monthly	Annual
User Specific Charge		10,109.59	101.10	10.11	111.21	-	40,590.00
Variable Use of System Charge	160000	1.258	2,012.80	201.28	2,214.08	-	808,139.20
Variable Control System Service Charge	180000	0.15	262.80	26.28	289.08	-	105,514.20
Fixed Metering Charge		3,289.87	32.90	3.29	36.19	-	13,208.84
Total Charge			2,409.59	240.96	2,650.55	0.00	967,452.24

For use in the Capital Contribution Calculator Only - Tariff Calculation (excludes GST)

Revenue for Capital Contribution Calculations

734,672.00

DM#: 6433932v8 Page 17 of 23

Kwinana Region

Total Charge

TRT2 - Transmission Entry

Tariff Inputs

Declared Sent Out Capacity (kW)	160000
Generator nameplate output (kW)	180000
Zone substation	Kwinana PWS
Transmission Node Identifier	WKPS
Value of Connection Assets	0
Economic life of Connection Assets	50
O&M expenses on the Connection Assets	36900
WACC	6.76%

Updated: 7 May 2009 - 2009/10 Price List (Approved) 20/10/2009 9:23

Note: Set to zero if full cap con received for connection assets

270.40 2,974.39

0.00 1,085,653.84

Note: Always confirm the User Specific Charge with Regulation, Pricing and Access Development.

Tariff Calculation GST Inclusive Daily & GST Exclusive **Units** Charge **GST** Daily Rate Monthly **Annual User Specific Charge** 10,109.59 101.10 10.11 111.21 40,590.00 230.72 2,537.92 Variable Use of System Charge 160000 1.442 2,307.20 926,340.80 Variable Control System Service Charge 180000 262.80 105,514.20 0.15 26.28 289.08 Fixed Metering Charge 3,289.87 32.90 3.29 36.19 13,208.84

For use in the Capital Contribution Calculator Only - Tariff Calculation (excludes GST)

Revenue for Capital Contribution Calculations

842,128.00

2,703.99

DM#: 6433932v8 Page 18 of 23

Kemerton Industrial Park Region

TRT2 - Transmission Entry

Tariff Inputs

Declared Sent Out Capacity (kW)	160000
Generator nameplate output (kW)	180000
Zone substation	Kemerton PWS
Transmission Node Identifier	WKEM
Value of Connection Assets	0
Economic life of Connection Assets	50
O&M expenses on the Connection Assets	38745
WACC	6.76%

Updated: 7 May 2009 - 2009/10 Price List (Approved)
16/11/2009 14:19

Note: Set to zero if full cap con received for connection assets

Note: Always confirm the User Specific Charge with Regulation, Pricing and Access Development.

Tariff Calculation

		Daily & GS	GST Exclusive		GST Inclusive		
	Units	Rate	Charge	GST	Daily	Monthly	Annual
User Specific Charge		10,615.07	106.15	10.62	116.77	-	42,619.50
Variable Use of System Charge	160000	2.318	3,708.80	370.88	4,079.68	-	1,489,083.20
Variable Control System Service Charge	180000	0.15	262.80	26.28	289.08	-	105,514.20
Fixed Metering Charge		3,289.87	32.90	3.29	36.19	-	13,208.84
Total Charge			4,110.65	411.06	4,521.71	0.00	1,650,425.74

For use in the Capital Contribution Calculator Only - Tariff Calculation (excludes GST)

Revenue for Capital Contribution Calculations

1,353,712.00

DM#: 6433932v8 Page 19 of 23

Collie Region

TRT2 - Transmission Entry

Tariff Inputs

Declared Sent Out Capacity (kW)	160000
Generator nameplate output (kW)	180000
Zone substation	Kemerton PWS
Transmission Node Identifier	WKEM
Value of Connection Assets	0
Economic life of Connection Assets	50
O&M expenses on the Connection Assets	42435
WACC	6.76%

Updated: 7 May 2009 - 2009/10 Price List (Approved)
16/11/2009 14:20

Note: Set to zero if full cap con received for connection assets

Note: Always confirm the User Specific Charge with Regulation, Pricing and Access Development.

Tariff Calculation

		Daily & GS	ST Exclusive		GST Inclusive		
	Units	Rate	Charge	GST	Daily	Monthly	Annual
User Specific Charge		11,626.03	116.26	11.63	127.89	-	46,678.50
Variable Use of System Charge	160000	2.318	3,708.80	370.88	4,079.68	-	1,489,083.20
Variable Control System Service Charge	180000	0.15	262.80	26.28	289.08	-	105,514.20
Fixed Metering Charge		3,289.87	32.90	3.29	36.19	1	13,208.84
Total Charge			4,120.76	412.08	4,532.83	0.00	1,654,484.74

For use in the Capital Contribution Calculator Only - Tariff Calculation (excludes GST)

Revenue for Capital Contribution Calculations

1,353,712.00

DM#: 6433932v8 Page 20 of 23

Geraldton Region

TRT2 - Transmission Entry

Tariff Inputs

Declared Sent Out Capacity (kW)

Generator nameplate output (kW)

Zone substation

Transmission Node Identifier

Value of Connection Assets

Economic life of Connection Assets

O&M expenses on the Connection Assets

WACC

160000

Walkaway Windfarm

WWWF

0

40590

6.76%

Updated: 7 May 2009 - 2009/10 Price List (Approved)
17/11/2009 15:19

Note: Set to zero if full cap con received for connection assets

Note: Always confirm the User Specific Charge with Regulation, Pricing and Access Development.

Tariff Calculation

		Daily & GST Exclusive				GST Inclus	ive
	Units	Rate	Charge	GST	Daily	Monthly	Annual
User Specific Charge		11,120.55	111.21	11.12	122.33	-	44,649.00
Variable Use of System Charge	160000	2.777	4,443.20	444.32	4,887.52	-	1,783,944.80
Variable Control System Service Charge	180000	0.15	262.80	26.28	289.08	-	105,514.20
Fixed Metering Charge		3,289.87	32.90	3.29	36.19	-	13,208.84
Total Charge			4,850.10	485.01	5,335.11	0.00	1,947,316.84

For use in the Capital Contribution Calculator Only - Tariff Calculation (excludes GST)

Revenue for Capital Contribution Calculations

1,621,768.00

DM#: 6433932v8 Page 21 of 23

Eneabba Region

TRT2 - Transmission Entry

Tariff Inputs

Declared Sent Out Capacity (kW)	160000
Generator nameplate output (kW)	180000
Zone substation	Emu Downs
Transmission Node Identifier	WEMD
Value of Connection Assets	0
Economic life of Connection Assets	50
O&M expenses on the Connection Assets	42435
WACC	6.76%

Updated: 7 May 2009 - 2009/10 Price List (Approved)
16/11/2009 14:14

Note: Set to zero if full cap con received for connection assets

Note: Always confirm the User Specific Charge with Regulation, Pricing and Access Development.

Tariff Calculation

		Daily & GS	GST Exclusive		GST Inclusive			
	Units	Rate	Charge	GST	Daily	Monthly	Annual	
User Specific Charge		11,626.03	116.26	11.63	127.89	-	46,678.50	
Variable Use of System Charge	160000	2.284	3,654.40	365.44	4,019.84	-	1,467,241.60	
Variable Control System Service Charge	180000	0.15	262.80	26.28	289.08	-	105,514.20	
Fixed Metering Charge		3,289.87	32.90	3.29	36.19	-	13,208.84	
Total Charge	_		4,066.36	406.64	4,472.99	0.00	1,632,643.14	

For use in the Capital Contribution Calculator Only - Tariff Calculation (excludes GST)

Revenue for Capital Contribution Calculations

1,333,856.00

DM#: 6433932v8 Page 22 of 23

Kalgoorlie Region

TRT2 - Transmission Entry

Tariff Inputs

Declared Sent Out Capacity (kW)

Generator nameplate output (kW)

Zone substation

Transmission Node Identifier

Value of Connection Assets

Economic life of Connection Assets

O&M expenses on the Connection Assets

WACC

160000

West Kalgoorlie GTs

WWKT

VWKT

49815

6.76%

Updated: 7 May 2009 - 2009/10 Price List (Approved)
16/11/2009 14:16

Note: Set to zero if full cap con received for connection assets

Note: Always confirm the User Specific Charge with Regulation, Pricing and Access Development.

Tariff Calculation

		Daily & GS	T Exclusive		GST Inclusive		
	Units	Rate	Charge	GST	Daily	Monthly	Annual
User Specific Charge		13,647.95	136.48	13.65	150.13	-	54,796.50
Variable Use of System Charge	160000	2.023	3,236.80	323.68	3,560.48	-	1,299,575.20
Variable Control System Service Charge	180000	0.15	262.80	26.28	289.08	-	105,514.20
Fixed Metering Charge		3,289.87	32.90	3.29	36.19	-	13,208.84
Total Charge			3,668.98	366.90	4,035.88	0.00	1,473,094.74

For use in the Capital Contribution Calculator Only - Tariff Calculation (excludes GST)

Revenue for Capital Contribution Calculations

1,181,432.00

DM#: 6433932v8