

## TRANSGRID'S TRANSMISSION PRICES

1 July 2009 to 30 June 2010

All rates quoted are inclusive of Australian Goods and Services Tax (GST)

### Customer Charges

<i>Common service and general charges</i>	<b>Energy Rate</b>	<b>Contract Rate</b>
These rates apply at all connection points	(c/kWh)	(\$/kW/month)
Common Service Charge	0.2532	0.9308
General Charge	0.4768	1.7528

### Usage and exit charges

Customer	Connection Point	Exit (\$/day)	Usage Charge				
			Fixed (\$/day)	Peak (c/kWh)	Shoulder (c/kWh)	Off-peak (c/kWh)	Demand (\$/kW/mth)
ActewAGL	Canberra 132	1332.81	0.00	0.2659	0.2659	0.0000	0.6636
ActewAGL	Queanbeyan 66	1018.57	0.00	0.4750	0.4750	0.0000	1.1412
Country Energy	Albury 132	2022.10	0.00	0.4077	0.4077	0.0000	1.0191
Country Energy	Armidale 66	2949.29	0.00	0.3625	0.3625	0.0000	0.7857
Country Energy	Balranald 22	1282.30	0.00	1.0821	1.0821	0.0000	1.7883
Country Energy	Beryl 66	2352.27	0.00	0.6284	0.6284	0.0000	1.3281
Country Energy	Broken Hill 22	4425.12	0.00	1.6935	1.6935	0.0000	3.6520
Country Energy	Broken Hill 220	337.51	0.00	1.3634	1.3634	0.0000	3.6574
Country Energy	Casino Tee 132	0.00	0.00	0.6616	0.6616	0.0000	1.5491
Country Energy	Coffs Harbour 66	2784.72	0.00	0.9666	0.9666	0.0000	2.2893
Country Energy	Colleambally 132	398.00	0.00	0.8225	0.8225	0.0000	1.7899
Country Energy	Cooma 11	1220.60	0.00	0.9392	0.9392	0.0000	1.9276
Country Energy	Cooma 132	242.73	0.00	0.7592	0.7592	0.0000	1.7013
Country Energy	Cooma 66	2310.15	0.00	1.5706	1.5706	0.0000	2.3717
Country Energy	Cowra 66	2192.26	0.00	0.8527	0.8527	0.0000	1.6383
Country Energy	Darlington Pt 132	790.56	0.00	0.7044	0.7044	0.0000	1.5290
Country Energy	Deniliquin 66	2291.36	0.00	1.3960	1.3960	0.0000	2.7350
Country Energy	Dorrigo 132	0.00	0.00	0.8815	0.8815	0.0000	1.8320
Country Energy	Dunoon 132	0.00	0.00	1.1084	1.1084	0.0000	1.6512
Country Energy	Finley 66	1913.09	0.00	1.6880	1.6880	0.0000	2.4905
Country Energy	Forbes 66	2395.64	0.00	0.8828	0.8828	0.0000	1.6279
Country Energy	Glen Innes 66	1892.58	0.00	0.9715	0.9715	0.0000	1.5405
Country Energy	Griffith 33	2806.62	0.00	0.9685	0.9685	0.0000	2.2989
Country Energy	Gunnedah 66	2780.41	0.00	0.6139	0.6139	0.0000	1.3580
Country Energy	Inverell	2284.47	0.00	1.0064	1.0064	0.0000	1.7492
Country Energy	Kempsey 33	1832.96	0.00	0.6802	0.6802	0.0000	1.5732
Country Energy	Kempsey 66	1550.96	0.00	0.8330	0.8330	0.0000	1.7548
Country Energy	Khancoban 11	0.00	0.00	0.4952	0.4952	0.0000	0.5579
Country Energy	Koolkhan 66	3162.43	0.00	1.0149	1.0149	0.0000	2.1186
Country Energy	Lismore 132	0.00	0.00	1.1084	1.1084	0.0000	1.6512
Country Energy	Macksville 132	320.97	0.00	0.6360	0.6360	0.0000	1.4034
Country Energy	Manildra 132	1769.76	0.00	0.4550	0.4550	0.0000	1.1797
Country Energy	Marulan 132	1356.52	0.00	0.2056	0.2056	0.0000	0.5194
Country Energy	Molong 66	1024.99	0.00	0.5975	0.5975	0.0000	0.7778
Country Energy	Moree 66	2511.22	0.00	1.3189	1.3189	0.0000	2.9436

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Country Energy	Mudgee Tee 132	0.00	0.00	0.5707	0.5707	0.0000	1.1704
Country Energy	Mullumbimby 132	0.00	0.00	1.1084	1.1084	0.0000	1.6512
Country Energy	Munyang 33	1341.12	0.00	3.5701	3.5701	0.0000	5.7831
Country Energy	Murrumbateman 132	7.48	0.00	0.4654	0.4654	0.0000	0.8539
Country Energy	Murrumburah 66	2800.02	0.00	0.5576	0.5576	0.0000	0.9953
Country Energy	Nambucca 66	2331.81	0.00	1.8415	1.8415	0.0000	4.3615
Country Energy	Narrabri 66	2738.77	0.00	1.0236	1.0236	0.0000	2.3709
Country Energy	Orange 132	209.05	0.00	0.4082	0.4082	0.0000	1.1444
Country Energy	Orange 66	3227.63	0.00	0.5011	0.5011	0.0000	1.2031
Country Energy	Panorama 66	2621.22	0.00	0.4349	0.4349	0.0000	1.0415
Country Energy	Parkes 132	259.94	0.00	0.5936	0.5936	0.0000	1.5460
Country Energy	Parkes 66	2128.10	0.00	0.7908	0.7908	0.0000	1.6318
Country Energy	Port Macquarie 33	3183.34	0.00	0.6738	0.6738	0.0000	1.5449
Country Energy	Queanbeyan 66	3050.69	0.00	0.4750	0.4750	0.0000	1.1412
Country Energy	Raleigh 132	365.70	0.00	0.5515	0.5515	0.0000	1.2537
Country Energy	Snowy Adit 132	0.00	0.00	2.1894	2.1894	0.0000	1.8330
Country Energy	Stroud 132	0.00	0.00	0.4934	0.4934	0.0000	1.0442
Country Energy	Tamworth 66	3259.53	0.00	0.2903	0.2903	0.0000	0.6406
Country Energy	Taree 33	3174.39	0.00	0.5433	0.5433	0.0000	1.1936
Country Energy	Taree 66	2553.52	0.00	0.5878	0.5878	0.0000	1.2776
Country Energy	Tenterfield 22	1833.04	0.00	0.8880	0.8880	0.0000	2.1386
Country Energy	Terranora 110	0.00	0.00	1.1084	1.1084	0.0000	1.8439
Country Energy	Tumut 66	2528.17	0.00	0.4170	0.4170	0.0000	0.9334
Country Energy	Wagga 66	3760.51	0.00	0.3731	0.3731	0.0000	0.8938
Country Energy	Wagga North 132	349.93	0.00	0.5203	0.5203	0.0000	1.0281
Country Energy	Wagga North 66	1585.27	0.00	0.4223	0.4223	0.0000	0.9763
Country Energy	Wallerawang 132	332.77	0.00	0.3212	0.3212	0.0000	0.6125
Country Energy	Wallerawang 66	378.56	0.00	0.2532	0.2532	0.0000	0.6031
Country Energy	Wellington 132	822.11	0.00	0.4596	0.4596	0.0000	1.0986
Country Energy	Wellington Tee 132	0.00	0.00	0.6364	0.6364	0.0000	1.1745
Country Energy	West Sawtell 132	320.97	0.00	0.5428	0.5428	0.0000	1.2225
Country Energy	Yanco 33	2494.89	0.00	0.7388	0.7388	0.0000	1.7152
Country Energy	Yass 132	588.42	0.00	0.3837	0.3837	0.0000	0.7948
Country Energy	Yass 66	1014.31	0.00	0.3837	0.3837	0.0000	0.7948
Energy Australia	957 Tee	0.00	0.00	0.2643	0.2643	0.0000	0.4655
Energy Australia	Beaconsfield W 132	1140.26	0.00	0.4200	0.4200	0.0000	0.9889
Energy Australia	Beresfield 132kV	6385.50	0.00	0.2278	0.2278	0.0000	0.5243
Energy Australia	Bunnerong 33	11184.47	0.00	0.6241	0.6241	0.0000	1.7170
Energy Australia	Canterbury 33	11524.86	0.00	0.4838	0.4838	0.0000	1.2014
Energy Australia	Charm Haven 11	3772.49	0.00	0.2304	0.2304	0.0000	0.4900
Energy Australia	Chullora 132	6664.74	0.00	0.5780	0.5780	0.0000	1.3937
Energy Australia	Drummoyne 11	2859.40	0.00	1.4226	1.4226	0.0000	3.1654
Energy Australia	Gosford 33kV	1793.01	0.00	0.4110	0.4110	0.0000	0.8156
Energy Australia	Gosford 66kV	13867.20	0.00	0.3931	0.3931	0.0000	0.7907
Energy Australia	Green Square 11kV	3895.84	0.00	0.5054	0.5054	0.0000	1.2076
Energy Australia	Haymarket 132	10173.98	0.00	0.5039	0.5039	0.0000	1.2156
Energy Australia	Homebush Bay 11	4685.58	0.00	0.4977	0.4977	0.0000	1.1160
Energy Australia	Kurri 11	8178.50	0.00	0.2936	0.2936	0.0000	0.5748
Energy Australia	Kurri 132	0.00	0.00	0.2847	0.2847	0.0000	0.5385
Energy Australia	Kurri 66	4464.38	0.00	0.6457	0.6457	0.0000	1.1972
Energy Australia	Lane Cove 132	4232.67	0.00	0.5151	0.5151	0.0000	1.3820
Energy Australia	Liddell 330	0.00	0.00	0.0892	0.0892	0.0000	0.1862
Energy Australia	Macquarie Park 11	5598.67	0.00	0.9435	0.9435	0.0000	2.3399
Energy Australia	Marrickville 11	2027.77	0.00	0.4472	0.4472	0.0000	1.1326
Energy Australia	Mason Park 132	6349.01	0.00	0.4285	0.4285	0.0000	1.1262

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Energy Australia	Meadowbank 11	4289.10	0.00	0.6483	0.6483	0.0000	1.5361
Energy Australia	Munmorah 132	0.00	0.00	0.2405	0.2405	0.0000	0.4660
Energy Australia	Munmorah 330	0.00	0.00	0.1766	0.1766	0.0000	0.3428
Energy Australia	Muswellbrook 132	4154.58	0.00	0.1413	0.1413	0.0000	0.2181
Energy Australia	Newcastle 132	2643.87	0.00	0.1529	0.1529	0.0000	0.3421
Energy Australia	Ourimbah 33	7325.63	0.00	0.3083	0.3083	0.0000	0.6441
Energy Australia	Peakhurst 33	9698.69	0.00	0.3547	0.3547	0.0000	0.8216
Energy Australia	Pymont 132	0.00	0.00	0.6548	0.6548	0.0000	1.4999
Energy Australia	Pymont 33	8692.21	0.00	0.7863	0.7863	0.0000	1.9880
Energy Australia	Rozelle 33kV	1762.90	0.00	0.8481	0.8481	0.0000	2.2125
Energy Australia	Somersby 132	3730.60	0.00	0.2994	0.2994	0.0000	0.7071
Energy Australia	St Peters 11	2895.75	0.00	0.4132	0.4132	0.0000	1.0811
Energy Australia	Sydney East 132	5502.82	0.00	0.3215	0.3215	0.0000	0.7772
Energy Australia	Sydney North 132	2855.65	0.00	0.4683	0.4683	0.0000	0.9518
Energy Australia	Sydney South 132	3848.08	0.00	0.3142	0.3142	0.0000	0.7064
Energy Australia	Tomago 33	6352.33	0.00	0.2861	0.2861	0.0000	0.5958
Energy Australia	Tuggerah 132	475.75	0.00	0.6002	0.6002	0.0000	0.8704
Energy Australia	Waratah West 132	1580.74	0.00	0.2257	0.2257	0.0000	0.5036
Energy Australia	Warrabrook 132	0.00	0.00	0.2257	0.2257	0.0000	0.5036
Energy Australia	West Gosford 132	3772.49	0.00	0.2923	0.2923	0.0000	0.6706
Energy Australia	Wyang 11	3772.49	0.00	0.2560	0.2560	0.0000	0.5787
Integral Energy	Dapto 132	14729.73	0.00	0.2118	0.2118	0.0000	0.5527
Integral Energy	Ilford 132	0.00	0.00	0.3813	0.3813	0.0000	0.8159
Integral Energy	Ingleburn 66	5982.69	0.00	0.2116	0.2116	0.0000	0.4914
Integral Energy	Liverpool 132	8320.07	0.00	0.2283	0.2283	0.0000	0.4740
Integral Energy	Macarthur 132	2305.41	0.00	0.2195	0.2195	0.0000	0.4785
Integral Energy	Macarthur 66	2229.81	0.00	0.2236	0.2236	0.0000	0.4709
Integral Energy	Marulan 132	1356.52	0.00	0.2056	0.2056	0.0000	0.5194
Integral Energy	Mt Piper 66	2352.40	0.00	0.2567	0.2567	0.0000	0.5731
Integral Energy	Regentville 132	5852.16	0.00	0.2400	0.2400	0.0000	0.4979
Integral Energy	Sydney North 132	512.76	0.00	0.4683	0.4683	0.0000	0.9518
Integral Energy	Sydney West 132	20187.97	0.00	0.1957	0.1957	0.0000	0.4371
Integral Energy	Vineyard 132	5850.93	0.00	0.2150	0.2150	0.0000	0.4546
Integral Energy	Wallerawang 132	864.50	0.00	0.3212	0.3212	0.0000	0.6125
Integral Energy	Wallerawang 66	2246.38	0.00	0.2532	0.2532	0.0000	0.6031

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**Generator Charges**

Generator	Name	Note	Entry Charge (\$/day)
Delta	Mt Piper	gen	1347.50
Delta	Mt Piper 132	aux	731.83
Delta	Munmorah	gen	1376.22
Delta	Munmorah	aux	916.32
Delta	Vales Point	gen	1385.59
Delta	Wallerawang		1317.99
Country Energy	Broken Hill		183.63
Eraring Energy	Burrinjuck		191.84
Eraring Energy	Eraring	330 kV	1787.57
Eraring Energy	Eraring	500 kV	2919.49
Eraring Energy	Hume		223.71
Eraring Energy	Kangaroo valley		1989.44
Macquarie Generation	Bayswater		3576.56
Macquarie Generation	Barnard River	aux	457.87
Macquarie Generation	Liddell	gen	3102.48
Macquarie Generation	Liddell	aux	1132.36
Snowy Hydro	Snowy		14481.38

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**Notes**

1. TransGrid's transmission use of system (TUOS) prices for Customers have been calculated in accordance with Chapter 6 of the National Electricity Rules.
2. The TUOS prices for Customers were provided to all Distribution businesses on 1 April. This is intended to assist the Distribution businesses in the timely finalisation of their network use of system charges applicable to their customers. These TUOS prices have been calculated using the draft revenue caps set out in the AER's draft revenue decisions for TransGrid (31 October 2008) and for EnergyAustralia (21 November 2008). Adjustments for differences between the TUOS prices based on the draft and those based on the final revenue cap decisions will be made in the TUOS prices for 2010/11 in accordance with the National Electricity Rules.
3. TransGrid's transmission network prices for Generators have been calculated in accordance with Chapter 6 of the National Electricity Rules in early May. Prices have been calculated using the final revenue cap for 2009-10 set out in AER's Final Decision on TransGrid transmission determination 2009-10 to 2013-14.
4. In May 2008, the AER approved a 'pass-through' associated with TransGrid's demand management and network support program which allowed efficient deferment of the Western 500kV upgrade by one year. The total value of the 'pass-through' approved by the AER was \$52.4 million. However, due to the prevailing system and weather conditions, TransGrid only expended \$38.1 million on network support payments resulting in an unused portion of \$14.3 million. This unused portion is being refunded to the customers as adjustment to TUOS or a one-off refund depending on the customer's choice.
5. In accordance with the National Electricity Rules, NSW transmission prices have been 'discounted' to reflect market trading proceeds paid by NEMMCO to TransGrid resulting from National Electricity Market operations. These proceeds arise from Settlement Residue Auctions and intra-regional trading settlement residues. In recent years these proceeds in the NSW region have been decreasing significantly. This trend is forecast to continue for the auction results for 2009-10, possibly due to changes in market conditions, such as the commissioning of new generators in NSW and the removal of the Snowy region. This has resulted in a material increase in the level of transmission prices, primarily the General Charge, to be paid by TransGrid's customers.
6. This schedule sets out charges for prescribed (regulated) transmission services only. Prices for negotiated and contestable services provided by NSW transmission network service providers are not included in this schedule.
7. Charges to customers comprise exit, usage, general and common service charges. Charges to generators comprise only entry (connection) charges.
8. Customers and generators are billed monthly in accordance with the provisions in their connection agreements.
9. **Exit Charges and Entry Charges:** Exit and entry charges for prescribed transmission services are billed at a daily rate that is fixed for each customer or generator at each connection point. For each connection point the TransGrid assets providing exit or entry services were identified in accordance with Chapter 6 of the National Electricity Rules. The annual revenue requirement for those assets was then calculated as a fixed annual amount and converted to a daily rate.
10. **Usage Charge:** The Usage Charge at each connection point is based on the rates in the above schedule applied to the customer's energy use and demand during the billing period. Two rates apply – an energy price that is set at the same rate for peak and shoulder periods and a rate based on the maximum demand during the month, as follows:
  - **Energy (peak and shoulder) price:** The price is applied to the energy consumed in peak and shoulder periods with the peak period being between 07:00 – 09:00 and 17:00 – 20:00 on working weekdays and the shoulder period being between 09:00 – 17:00 and 20:00 – 22:00 on working weekdays. These times are set on Eastern Daylight Saving

## TransGrid's Transmission Prices

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Time when daylight saving is in force as, on advice from NSW distributors, this more accurately reflects the higher demand period.

- **Demand price:** The price in the schedule for each connection point is applied to the maximum half hourly demand in the billing period at that point in order to bill the customer for that month.
- **Fixed price:** For some connection points where there are special circumstances a fixed price is applied as a daily rate.

11. **General Charge and Common Service Charge:** The General and Common Service prices are the same for every connection point in TransGrid's network.

The standard method for billing customers is to use their historical energy use, that is their energy use in the financial year two years prior to the billing period. The energy rate is multiplied by the total energy consumption in the equivalent billing period in 2007-08 to determine the monthly charge. Where there is a new connection point and energy consumption history is not available for the complete 2007-08 financial year, or where there are special circumstances and TransGrid has obtained specific approval from the AER, the energy consumption within the current billing period is to be used. TransGrid will advise customers where current data, rather than 2007-08 data is to be used.

Customers have the option of having the General and Common Service charges based on a nominated demand at a particular connection point, rather than on their historical energy consumption. Customers can only choose the demand basis if they have a contract with TransGrid that provides for nomination of the maximum demand and applies substantial penalties if the demand is exceeded. Where the charges are billed on the basis of nominated maximum demand, the monthly rate is applied to the nominated demand. If the customer's demand exceeds the nominated level, the penalty will be applied.

12. **Service Standards.** The service standards to which the transmission use of system prices apply are based on the following:

- TransGrid's objectives under the New South Wales State-Owned Corporations Act 1989 and its objectives and functions under the New South Wales Energy Services Corporations Act 1995.
- TransGrid's standards and the jurisdictional planning requirements set out in TransGrid's Network Management Plan (<http://www.transgrid.com.au/publications>)
- The AER's draft Decision on TransGrid's Transmission Network Revenue 2009-10 to 2013-14 dated 31 October 2008 (<http://www.aer.gov.au>). This decision sets out a performance incentive scheme for TransGrid's transmission network assets. The scheme places various percentages of TransGrid's regulated revenue at risk based on performance against six defined performance measures. TransGrid reports to the AER on these service measures at the end of each calendar year.

13. **Future Transmission Pricing Methodology:** Chapter 6A of the National Electricity Rules provides a process and timetable for the AER to approve TransGrid's Transmission Pricing Methodology. In accordance with this process and timetable approval was not available in time for application of this Methodology to the setting of 2009/10 transmission prices in NSW. Under these circumstances Chapter 6A provides that transmission prices be set using the most recently approved methodology. For NSW transmission prices this is the methodology set out in a previous Chapter 6 of the National Electricity Rules.