

Transmission Statistics

Operational Performance

On 20 June 2007, a new South Australian record was set for winter energy demand, achieving a demand of 2463MW. The previous record was for 2379MW, set on 19 June 2006. The summer record is 2938MW.

Notes: Part Baroota-Playford 132kV OH and TIPS-New Osborne 66kV UG circuits removed.
Bungama 132kV substation now decommissioned.

	1999/00	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07
Electricity Imports / Exports (MWhr)								
Imports through Interconnectors	3,561,976	2,465,000	1,442,300	2,386,879	2,709,805	2,457,331	2,580,926	1,247,510
Exports through Interconnectors	2,448	23,000	156,300	94,050	102,545	80,146	50,884	365,131
Net Interconnector Import	3,559,528	2,442,000	1,286,000	2,292,829	2,607,259	2,377,186	2,530,042	882,379
Supplied to SA Transmission Network	11,960,000	12,403,000	11,994,00	12,511,000	12,336,137	12,137,172	12,856,604	13,381,277
Energy Demand (MW)								
Maximum Demand (summer)	2,649	2,837	2,512	2,794	2,607	2,659	2,938	2,934
Maximum Demand (winter)	2,154	2,105	2,138	2,157	2,135	2,267	2,379	2,463
Transmission System Performance								
Transmission System Reliability (System Minutes Lost)	12.00	5.04	1.36	4.29	2.69	1.99	0.85	1.35
ACCC Service Standards (Calendar Year Results)								
- Availability	99.29%	99.32%	99.30%	99.38%	99.59%	99.38%	99.57%	99.42%
- Average Outage Duration (Minutes)	70.9	141.3	108.6	70.03	70.13	49	110.4	88.5
- Number of Events > 0.2 System Minutes	9	5	3	4	2	7	0	4
- Number of Events > 1.0 System Minutes	2	1	0	0	1	0	0	0
Direct-Connect Customers								
Total Direct-Connect Customers	13	12	13	13	15	19	19	20
Transmission Lines in Service								
Underground Voltage (route km)								
275,000	8	8	8	8	8	8	7.9	8
132,000	-	-	-	-	-	-	-	-
66,000	2	2	2	2	2	2	2.5	3
Total	10	10	10	10	10	10	10.4	11
Overhead Voltage (circuit km)								
275,000	2,563	2,563	2,558	2,558	2,558	2,558	2,571	2,571
132,000	2,988	2,988	2,988	2,988	2,988	3,072	3,072	3,072
66,000	14	14	23	23	23	23	22	22
Total	5,565	5,565	5,569	5,569	5,569	5,653	5,601	5,665
Total Underground and Overhead (km)	5,575	5,575	5,579	5,579	5,579	5,663	5,611	5,676
Transmission Substations In Service								
275,000	20	20	21	21	21	21	23	22
132,000	47	46	47	48	49	52	50	51
66,000	2	2	3	3	3	3	3	3
Total	69	68	71	72	73	76	76	76
Employees								
Total Employees	173	147	161	142	125	135	153	180