STATISTICAL SUMMARY

Transmission lines and underground cables
Added in 2011/12

Voltage	Transmission line		Underground cable	
	Route km	Circuit km	Route km	Circuit km
330kV	0	0	0	0
275kV	42	71	0	0
132kV	-11	-104*	0	0
110kV	0	0	0	0
66kV**	0	0	0	0
Total	**31**	**-33**	**0**	**0**

* A double circuit line was decommissioned. A new single circuit line was commissioned.
** Equal to or less than 66kV.

Energy output and delivery

2011/12	2010/11	2009/10	2008/09	2007/08
Energy flowing into the grid (GWh)				
47,988	48,020	49,593	49,104	48,576
Energy delivered to customers (GWh)				
46,246	46,216	47,825	47,303	46,125
Peak maximum demand (MW)				
8,707	8,836	8,891	8,677	8,082

Circuit breakers
Added in 2011/12

Voltage	Circuit breakers	Location
330kV	3	Middle Ridge, Millmerran
275kV	35	Calliope River, Raglan, Belmont, Western Downs, Braemar
132kV	20	Goonyella Riverside, Blackwater, Palmwoods, Tully, Stanwell, Ingham South, Cardwell, Burton Downs
110kV	6	Belmont, Mudgeeraba, Ashgrove West, Molendinar (Swanbank A decommissioned)
66kV*	0	
Total	**64**	

* Equal to or less than 66kV.

Substations/switching stations and transformers
Added in 2011/12

Voltage	Substations		Transformers		
	Total number	Location	Total number	Total Rating (MVA)	Location
330kV			0	0	
275kV	3	Western Downs, Raglan, Calliope River	0	130 increase	Gin Gin transformer replacement with increased rating.
132kV	1	Goonyella Riverside	0	0	
110kV	0		1	100	Molendinar
Total	**4**		**1**	**230**	

* A double circuit line was decommissioned. A new single circuit line was commissioned. ** equal to or less than 66kV.

Capacitor bank, shunt reactors and Static VAr Compensators
Added in 2011/12

Voltage	Capacitor Banks		Reactors		SVCs		Location
	Total	MVAr	Total	MVAr	Total	MVAr	
330kV	3	440	0	0	0	0	Middle Ridge, Millmerran
275kV	2	280	0	0	0	0	
132kV	0	0	0	0	0	0	Belmont
110kV	-2	-100	0	0	0	0	Belmont decommissioned
Total	**3**	**620**	**0**	**0**	**0**	**0**	

Substations/switching stations and communication sites
As at 30 June 2012

Voltage	Substations	Cable transition sites	Communication sites
330kV	4		
275kV	37	3*	
132kV	62	3	
110kV	15	3	
66kV	0	1	
Total	**118**	**10**	**91**

* Two of these cable transition sites are energised at 110kV.

Transformers
As at 30 June 2012

Voltage	Total number	Total rating MVAr
330kV	5	4,975
275kV	68	18,385
132kV	86	5,949
110kV	28	2,210
Total	**187**	**31,519**

* Two of these cable transition sites are energised at 110kV.

Circuit breakers
As at 30 June 2012

Voltage	Total number
330kV	31
275kV	435
132kV	444
110kV	284
66kV*	28
Total	**1,222**

* equal to or less than 66kV.

Capacitor bank, shunt reactors and Static VAr Compensators
As at 30 June 2012

Voltage	Capacitor Banks		Reactors		SVCs	
	Total	MVAr	Total	MVAr	Total	MVAr
330kV	3	440	4	144	0	0
275kV	28	3,880	16	711	8	2,510
132kV	26	1,185	0	0	11	1,081
110kV	32	1,750	0	0	0	0
110kV	5	96	5	114	0	0
Total	**94**	**7,351**	**25**	**969**	**19**	**3,591**

* equal to or less than 66kV.

Five year history of transmission lines and underground cables
As at 30 June 2012

Voltage	2012		2011		2010		2009		2008	
	Total	MVAr	Total	MVAr	Total	MVAr	Total	MVAr	Total	MVAr
Transmission lines										
330kV	347	691	347	691	347	691	347	691	347	691
275kV	6,032	8,458	5,990	8,387	5,819	8,037	5,548	7,495	5,335	7,068
132kV	2,785	4,364	2,796	4,468	2,769	4,405	2,816	4,488	2,802	4,480
110kV	238	416	238	416	238	416	238	416	238	416
66kV*	1	1	1	1	1	1	1	1	1	1
Total lines	**9,403**	**13,930**	**9,372**	**13,963**	**9,174**	**13,550**	**8,950**	**13,091**	**8,723**	**12,656**
Underground cables										
275kV	10	10	10	10	10	10	2	5	2	5
132kV	4	4	4	4	4	4	1	2	1	2
110kV	8	8	8	8	8	8	3	7	3	7
66kV*	1	1	1	1	1	1	1	1	1	1
Total cables	**23**	**23**	**23**	**23**	**23**	**23**	**7**	**15**	**7**	**15**
Total	**9,426**	**13,953**	**9,395**	**13,986**	**9,197**	**13,573**	**8,957**	**13,106**	**8,730**	**12,671**

Note: all cables located inside substations are excluded. ^ As constructed voltages. * equal to or less than 66kV.