



ElectraNet Transmission Network Revenue Proposal

Appendix J – ETSA Utilities Load Forecasts 2012



ElectraNet Corporate Headquarters

52-55 East Terrace, Adelaide, South Australia 5000 • PO Box, 7096, Hutt Street Post Office, Adelaide, South Australia 5000
Tel: (08) 8404 7966 • Fax: (08) 8404 7104 • Toll Free: 1800 243 853

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The ETSA Utilities load forecast covers three scenarios, namely high load growth, medium load growth and low load growth rate scenarios. The tables below give the load forecast for the medium growth scenario at each connection point.

ETSA Utilities medium growth metropolitan and country meshed connection point forecasts

Connection Point	Units	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32
Year from Base		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EASTERN SUBURBS	MW	790	808	873	893	914	936	964	984	1005	1026	1048	1070	1093	1116	1139	1163	1188	1213	1238	1264	1291
	PF	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95
ADELAIDE CENTRAL REGION	MW	233	238	248	254	262	269	283	289	295	301	307	314	320	327	334	341	348	355	362	370	378
	PF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SOUTHERN SUBURBS	MW	799	865	846	867	889	911	932	953	975	997	1020	1044	1068	1092	1117	1143	1170	1197	1224	1252	1281
	PF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98
WESTERN SUBURBS	MW	484	538	550	562	575	587	600	611	622	633	645	656	668	680	692	705	718	730	744	757	770
	PF	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.96
NORTHERN SUBURBS	MW	384	360	373	393	409	425	441	455	469	484	500	515	531	548	565	582	600	618	637	656	676
	PF	0.99	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
PORT PIRIE SYSTEM	MW	87	88	89	90	91	92	93	94	96	97	98	99	101	102	104	105	107	109	110	113	115
	PF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94

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ETSA Utilities medium growth country connection point forecasts

Connection Point	Units	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32
Year from Base		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ANGAS CREEK	MW	21.4	22.0	22.6	23.3	23.9	24.6	25.3	26.0	26.7	27.4	28.2	29.0	29.8	30.6	31.5	32.4	33.3	34.2	35.2	36.2	37.2
	PF	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90
ARDROSSAN WEST	MW	14.7	15.1	15.6	16.2	16.7	17.3	17.8	18.4	19.0	19.7	20.3	21.0	21.7	22.4	23.1	23.9	24.7	25.5	26.3	27.2	28.1
	PF	0.91	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90
BAROOTA	MW	9.0	9.2	9.4	9.5	9.7	9.8	10.0	10.2	10.4	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.8	12.0	12.3	12.5	12.7
	PF	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94
BERRI	MW	95.9	99.7	101.6	103.6	105.6	107.6	109.6	111.7	113.8	116.0	118.2	120.4	122.7	125.0	127.3	129.7	132.1	134.6	137.0	139.6	142.1
	PF	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94
BLANCHE	MW	37.5	43.4	44.3	45.3	46.3	47.3	48.3	49.4	50.5	51.6	52.7	53.9	55.1	56.3	57.5	58.8	60.1	61.4	62.8	64.1	65.6
	PF	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.89	0.89
BRINKWORTH	MW	5.7	5.8	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3
	PF	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95
CLARE NORTH	MW	13.8	14.4	15.1	15.7	16.4	17.2	18.0	18.8	19.6	20.5	21.4	22.3	23.3	24.4	25.5	26.6	27.8	29.1	30.4	31.7	33.1
	PF	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.89	0.89	0.89
DALRYMPLE	MW	9.9	10.2	10.5	10.9	11.2	11.5	11.9	12.2	12.6	13.0	13.4	13.8	14.2	14.6	15.0	15.5	16.0	16.4	16.9	17.4	17.9
	PF	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.89	0.88	0.88	0.88
DAVENPORT WEST	MW	32.9	33.4	34.1	34.7	35.3	35.9	36.6	37.2	37.9	38.6	39.2	39.9	40.6	41.4	42.1	42.8	43.6	44.3	45.1	45.9	46.6
	PF	0.97	0.97	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94
DORRIEN	MW	69.3	71.3	73.4	75.6	77.8	80.1	82.5	84.9	87.4	90.0	92.6	95.3	98.1	101.0	104.0	107.0	110.1	113.4	116.7	120.1	123.6
	PF	0.91	0.91	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90
HUMMOCKS	MW	14.6	15.2	15.9	16.7	17.4	18.2	19.1	19.9	20.8	21.8	22.8	23.8	24.9	26.1	27.2	28.5	29.8	31.1	32.6	34.1	35.6
	PF	0.93	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.89	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90
KADINA EAST	MW	27.7	28.9	30.2	31.5	32.9	34.4	35.9	37.5	39.1	40.9	42.7	44.6	46.5	48.6	50.8	53.0	55.3	57.8	60.3	63.0	65.8
	PF	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.91	0.90	0.90	0.90	0.89	0.89	0.89	0.89

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Year from Base		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
KANMANTOO	MW	2.0	2.2	2.4	2.5	2.7	3.0	3.2	3.5	3.7	4.0	4.4	4.7	5.1	5.5	5.9	6.4	6.9	7.5	8.1	8.8	9.5
	PF	0.92	0.92	0.91	0.91	0.90	0.90	0.90	0.90	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.92	0.92	0.91	0.91
KEITH	MW	29.2	30.4	31.7	33.0	33.7	33.3	33.3	33.3	34.4	36.1	37.8	39.7	41.5	49.5	51.6	53.7	55.9	58.3	60.7	63.2	65.8
	PF	0.92	0.92	0.92	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89
KINCRAIG	MW	23.3	24.0	24.7	25.5	26.2	27.0	27.9	28.7	29.6	30.5	31.4	32.4	33.3	34.4	35.4	36.5	37.6	38.7	39.9	41.1	42.3
	PF	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
LEIGH CREEK SOUTH	MW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	PF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MANNUM	MW	14.3	14.4	14.4	14.5	14.6	14.6	14.7	14.8	14.8	14.9	15.0	15.0	15.1	15.2	15.2	15.3	15.4	15.4	15.5	15.5	15.6
	PF	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
MOBILONG	MW	43.3	44.9	46.6	48.3	50.1	52.0	54.0	56.0	58.1	60.3	62.5	64.9	67.3	69.8	72.4	75.1	77.9	80.8	83.9	87.0	90.2
	PF	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89
MT BARKER	MW	112.6	119.0	125.6	132.6	140.1	147.9	156.2	164.9	174.2	183.9	194.2	205.1	216.6	228.7	241.5	255.0	269.3	284.4	300.3	317.1	334.8
	PF	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94
MT GAMBIER	MW	27.4	22.8	23.1	23.4	23.7	24.0	24.3	24.6	24.9	25.2	25.6	25.9	26.2	26.5	26.8	27.1	27.4	27.7	28.0	28.3	28.6
	PF	0.91	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90
MT GUNSON	MW	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	PF	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
NEUROODLA	MW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	PF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
NORTH WEST BEND	MW	28.5	28.6	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.5	29.6	29.7	29.8	29.9	30.0	30.0	30.1	30.2	30.2	30.3
	PF	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PENOLA WEST	MW	14.0	14.2	14.5	14.8	15.1	15.3	15.6	15.9	16.2	16.5	16.9	17.2	17.5	17.8	18.2	18.5	18.9	19.2	19.6	20.0	20.4
	PF	0.90	0.90	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90
PORT LINCOLN TERMINAL	MW	39.8	41.4	43.1	44.8	46.7	48.5	50.5	52.6	54.7	56.9	59.2	61.6	64.1	66.7	69.3	72.1	75.0	78.1	81.2	84.5	87.9
	PF	0.92	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.91	0.91	0.90	0.90	0.90	0.90	0.89	0.89	0.89

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Year from Base		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
SNUGGERY INDUSTRIAL	MW	35.0	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
	PF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SNUGGERY RURAL	MW	17.6	18.6	19.8	20.9	22.2	23.5	25.0	26.4	28.0	29.7	31.5	33.4	35.4	37.5	39.8	42.2	44.7	47.4	50.2	53.2	56.4	
	PF	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.92	0.92	0.92	0.91	0.91	0.90	0.90	0.90	0.90	0.89
STONY POINT	MW	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	PF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
TAILEM BEND	MW	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	
	PF	0.94	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
TEMPLERS	MW	34.0	35.7	37.5	39.3	41.3	43.4	45.5	47.8	50.2	52.7	55.3	58.1	61.0	64.1	67.3	70.6	74.1	77.8	81.7	85.8	90.1	
	PF	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
WATERLOO	MW	11.9	12.2	12.6	12.9	13.3	13.7	14.1	14.5	14.9	15.4	15.8	16.3	16.7	17.2	17.7	18.2	18.7	19.3	19.8	20.4	21.0	
	PF	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.91	0.91	0.91	0.90	0.91	0.91	0.91	0.91	0.91	0.90
WHYALLA TERMINAL	MW	92.6	93.3	94.0	94.7	95.4	96.2	96.9	97.7	98.4	99.2	100.0	100.8	101.6	102.5	103.3	104.2	105.1	106.0	106.9	107.8	108.7	
	PF	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
WHYALLA LMF	MW	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
	PF	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
WUDINNA	MW	15.7	15.9	16.2	16.4	16.6	16.9	17.1	17.4	17.6	17.8	18.1	18.4	18.6	18.9	19.1	19.4	19.7	19.9	20.2	20.5	20.8	
	PF	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.96	0.96
YADNARIE	MW	11.0	11.3	11.6	11.9	12.2	12.5	12.8	13.1	13.4	13.8	14.1	14.5	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6	18.1	

The customer connection point load forecast is sourced from the transmission customers connected directly to the transmission network at the respective connection points. These forecasts have been aggregated to protect customer confidentiality, as required by the Rules.

Combined direct connect customer load forecast (MW)

	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22
Year From Base	0	1	2	3	4	5	6	7	8	9	10
TOTAL*	283	306	352	372	392	412	412	412	412	412	412

* Excludes the power station house supply loads