ElectraNet Transmission Network Revised Revenue Proposal

Appendix G ElectraNet, Revised Connection Point Demand Forecasts, December 2012

The following table presents ElectraNet's revised demand forecast for the majority of grouped connection points in South Australia. These forecasts are a result of adjusting the 2012 SA Power Networks 10 per cent PoE forecast for extra embedded generation and curtailed load.

J-1: ElectraNet's 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	221	224	227	230	233	244	247	250	254	257	260	263	267	270	273	277	280	284	287	291	295
	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
ADELAIDE CENTRAL REGION	MW	722	733	789	801	814	835	848	862	875	889	903	917	931	946	960	975	990	1005	1020	1035	1051
	PF	0.99	0.99	0.99	0.99	0.99	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	0.96	0.96	0.96
SOUTHERN SUBURBS	MW	708	771	747	761	727	743	757	772	786	801	816	832	847	863	879	895	912	929	946	963	981
	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	0.99	0.99	0.99	0.99	0.99
WESTERN SUBURBS	MW	461	469	521	530	539	548	558	568	578	588	598	608	619	629	640	651	662	673	685	696	708
	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	0.96	0.95	0.95
NORTHERN SUBURBS	MW	364	374	341	350	360	370	380	391	402	413	424	436	448	460	473	486	500	513	527	542	557
	PF	0.99	0.99	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96
PORT PIRIE SYSTEM	MW	80	81	82	83	84	85	85	87	88	89	90	91	92	93	94	96	97	98	99	102	103
	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

The following table presents ElectraNet's revised demand forecast for the remainder of connection points in South Australia. These forecasts are based on SA Power Networks 2012 10 per cent PoE for connections points that are ETC Category 2 and above and SA Power Networks 2012 medium scenario peak demand forecasts for Category 1 connection points. Of these connection points only Dorrien and Whyalla have been adjusted for extra embedded generation and curtailed load.

J- 2: ElectraNet's 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	20.8	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	32.3	33.2	34.1	35.1	36.0
	PF	0.93	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	0.90	0.90	0.89	0.89	0.89	0.89	0.89
ARDROSSAN WEST	MW	14.2	14.7	15.1	15.7	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	24.6	25.4	26.3	27.1
	PF	0.90	0.90	0.90	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.89	0.89	0.89
BAROOTA	MW	8.7	8.8	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.4	9.5	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.2	10.3	10.4
	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	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95
BERRI	MW	91.1	94.2	95.3	96.5	97.6	98.7	99.9	101.0	102.1	103.3	104.4	105.6	106.7	107.8	109.0	110.1	111.2	112.3	113.4	114.5	115.6
	PF	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95	0.95
BLANCHE	MW	37.3	35.6	41.4	42.3	43.2	44.2	45.2	46.1	47.2	48.2	49.3	50.3	51.5	52.6	53.7	54.9	56.1	57.4	58.6	59.9	61.2
	PF	0.92	0.92	0.91	0.91	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
BRINKWORTH	MW	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0
	PF	0.96	0.96	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	0.94	0.94
CLARE NORTH	MW	13.3	13.7	14.1	14.5	14.9	15.3	15.8	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.3	20.9	21.5	22.1	22.7	23.3
	PF	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.92	0.91	0.91	0.92	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90
DALRYMPLE	MW	8.6	8.9	9.2	9.5	9.8	10.1	10.4	10.7	11.0	11.4	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.4	15.8
	PF	0.92	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90	0.92	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90	0.89	0.89	0.89
DAVENPORT WEST	MW	30.8	31.3	31.7	32.1	32.5	32.9	33.4	33.8	34.2	34.7	35.1	35.5	36.0	36.4	36.9	37.3	37.7	38.2	38.6	39.1	39.5
	PF	0.98	0.98	0.98	0.97	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
DORRIEN	MW	62.9	64.7	66.4	68.3	70.2	72.1	74.1	76.1	78.2	80.3	82.5	84.8	87.1	89.5	92.0	94.5	97.0	99.7	102.4	105.2	108.0
	PF	0.94	0.94	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.91	0.91	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.90	0.90
HUMMOCKS	MW	14.6	15.3	16.0	16.7	17.5	18.3	19.2	20.1	21.0	22.0	23.0	24.1	25.2	26.4	27.6	28.9	30.3	31.7	33.2	34.7	36.4
	PF	0.93	0.92	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.89	0.89	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90
KADINA EAST	MW	26.8	28.0	29.3	30.6	32.0	33.4	34.9	36.5	38.1	39.8	41.6	43.5	45.4	47.5	49.6	51.8	54.1	56.6	59.1	61.7	64.5
	PF	0.91	0.91	0.91	0.90	0.90	0.90	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.90	0.90	0.90	0.89	0.89	0.89	0.89
KANMANTOO	MW	1.8	1.9	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.4	5.8	6.2	6.7	7.1
	PF	0.93	0.93	0.92	0.92	0.91	0.91	0.90	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.94	0.94	0.93	0.93	0.92
KEITH	MW	24.8	25.2	25.6	26.0	25.8	24.3	23.2	22.2	22.1	22.6	23.0	23.5	24.0	30.5	30.9	31.4	31.9	32.4	33.0	33.5	34.0
	PF	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93
KINCRAIG	MW	22.9	23.6	24.4	25.2	26.0	26.8	27.6	28.5	29.4	30.3	31.3	32.3	33.3	34.3	35.4	36.5	37.7	38.8	40.1	41.3	42.6

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
	PF	0.90	0.90	0.90	0.91	0.91	0.90	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.89	0.88
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	13.8	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0
	PF	0.90	0.90	0.90	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.90
MOBILONG	MW	41.3	42.8	44.3	45.8	47.4	49.1	50.8	52.6	54.4	56.3	58.3	60.3	62.4	64.6	66.9	69.2	71.6	74.1	76.7	79.3	82.1
	PF	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.91	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	100.0	104.6	109.4	114.5	119.8	125.3	131.1	137.2	143.5	150.2	157.1	164.4	172.0	179.9	188.2	196.9	206.0	215.5	225.5	235.9	246.8
	PF	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.97	0.97	0.97	0.96	0.96	0.97	0.97	0.96
MT GAMBIER	MW	23.9	24.2	19.6	19.8	20.1	20.4	20.6	20.9	21.2	21.5	21.7	22.0	22.3	22.6	22.9	23.1	23.4	23.7	24.0	24.3	24.5
	PF	0.92	0.92	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91
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	26.1	26.2	26.3	26.4	26.6	26.7	26.8	26.9	27.1	27.2	27.3	27.4	27.6	27.7	27.8	28.0	28.1	28.2	28.3	28.5	28.6
	PF	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
PENOLA WEST	MW	12.4	12.7	12.9	13.2	13.4	13.7	13.9	14.2	14.5	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.5	17.8	18.1
	PF	0.90	0.90	0.93	0.92	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	0.91	0.91	0.91
PORT LINCOLN TERMINAL	MW	39.5	40.6	41.8	43.0	44.2	45.5	46.8	48.1	49.5	50.9	52.3	53.8	55.3	56.9	58.5	60.1	61.8	63.5	65.3	67.1	69.0
	PF	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90
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
	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
SNUGGERY RURAL	MW	17.2	17.9	18.7	19.5	20.4	21.3	22.2	23.2	24.2	25.3	26.4	27.5	28.7	30.0	31.3	32.7	34.1	35.6	37.2	38.8	40.5
	PF	0.92	0.91	0.91	0.91	0.90	0.90	0.91	0.90	0.91	0.91	0.91	0.91	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.92	0.91
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
	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
TAILEM BEND	MW	23.0	23.1	23.2	23.3	23.4	23.5	23.5	23.6	23.7	23.8	23.9	24.0	24.0	24.1	24.2	24.3	24.3	24.4	24.5	24.5	24.6
	PF	0.94	0.94	0.94	0.94	0.94	0.94	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
TEMPLERS	MW	34.2	35.7	37.2	38.7	40.3	42.0	43.7	45.6	47.5	49.4	51.5	53.6	55.9	58.2	60.6	63.1	65.8	68.5	71.4	74.3	77.4
	PF	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89

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**
WATERLOO	MW	11.5	11.8	12.1	12.4	12.7	13.0	13.4	13.7	14.0	14.4	14.7	15.1	15.5	15.9	16.2	16.6	17.0	17.4	17.9	18.3	18.7
	PF	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.91	0.90	0.90	0.90	0.91	0.91	0.90	0.90	0.90
WHYALLA TERMINAL	MW	81.7	82.3	83.0	83.8	84.5	85.2	86.0	86.7	87.5	88.3	89.1	89.9	90.7	91.5	92.4	93.2	94.1	95.0	95.9	96.8	97.8
	PF	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	0.92	0.92	0.92	0.92	0.92	0.92
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
	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
WUDINNA	MW	16.6	16.8	17.1	17.3	17.5	17.8	18.0	18.2	18.5	18.7	19.0	19.2	19.4	19.7	19.9	20.2	20.4	20.7	20.9	21.2	21.4
	PF	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	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95
YADNARIE	MW	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.1	11.2	11.4	11.5	11.7	11.9	12.0	12.2	12.4	12.5	12.7
	PF	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	0.99	0.98	0.98	0.98	0.98

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.

J- 3: 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*	276.7	300.3	345.8	365.9	386.0	406.0	406.1	406.2	406.3	406.3	406.4

* Excludes the power station house supply loads