

Forecast of connection point maximum demands

Customer forecasts of connection point peaks

ables D.1 to D.18 (in the Appendix D Compendium on Powerlink's website) show 10-year forecasts of native summer and winter demand at connection point peak, for High, Central and Low growth scenarios (refer to Appendix D. These forecasts have been supplied by Powerlink direct connect customers and have been produced by Powerlink.

The connection point reactive power (MVar) forecast includes the effect of customer's downstream capacitive compensation.

Groupings (sums of non-coincident forecasts) of some connection points are used to protect the confidentiality of specific customer loads.

In tables D.1 to D.18 the zones in which connection points are located are abbreviated as follows:

FN	Far North zone
R	Ross zone
NW	North West zone
N	North zone
CW	Central West zone
G	Gladstone zone
WB	Wide Bay zone
S	Surat zone
B	Bulli zone
SW	South West zone
M	Moreton zone
GC	Gold Coast zone

Table D.1 Ergon connection point forecast of summer high growth native maximum demand

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Alan Sherriff	132	R	32	6	33	6	34	6	35	6	35	7	36	7	37	7	38	7	38	7	39	7
Aligator Creek (Louisa Creek)	132	N	42	12	43	13	44	13	46	14	47	14	48	14	49	15	50	15	51	15	51	16
Alligator Creek	33	N	28	6	29	7	30	7	31	7	31	7	32	8	33	8	33	8	34	8	34	8
Biloela	66	CW	37	-1	37	0	38	0	39	0	39	0	40	1	41	1	41	1	42	1	42	1
Blackwater	132	CW	49	-17	50	-17	52	-16	53	-16	54	-16	55	-16	56	-16	57	-16	58	-15	58	-15
Blackwater	66	CW	106	10	109	10	112	11	114	11	117	11	120	11	122	11	124	11	126	11	127	11
Bowen North	66	N	33	7	34	7	35	7	36	7	37	8	37	8	38	8	39	9	39	9	40	9
Bulli Creek (Waggamba)	132	B	22	-5	22	-5	23	-5	23	-5	23	-5	24	-5	24	-5	24	-4	25	-4	25	-4
Cairns	22	FN	61	5	63	5	64	5	66	6	67	6	69	6	70	6	72	6	73	6	74	7
Cairns City (1)	132																					
Calliope River	132	G	60	0	61	0	63	0	64	0	66	1	67	1	69	1	70	1	71	2	73	2
Cardwell	22	R	5	1	5	1	5	2	5	2	6	2	6	2	6	2	6	2	6	2	6	2
Chinchilla	132	S	22	4	23	4	23	4	24	4	24	5	25	5	25	5	25	5	26	5	26	5
Clare South	66	R	84	25	86	26	100	32	102	33	104	33	105	34	107	35	108	35	109	36	110	36
Collinsville North	33	N	18	-7	19	-8	19	-8	19	-8	20	-9	20	-9	21	-10	21	-10	21	-10	21	-10
Columboola	132	S	86	-2	88	-2	89	-1	90	-1	91	-1	92	0	93	0	94	0	94	1	95	1
Dan Gleeson	66	R	119	5	123	5	126	5	130	5	133	5	136	5	140	5	142	5	145	6	148	6
Dysart	66	CW	48	8	49	8	51	8	52	8	54	8	55	8	56	8	57	8	58	8	59	8
Edmonton	22	FN	54	-5	56	-5	58	-5	60	-5	62	-5	64	-5	66	-5	68	-5	69	-5	71	-5
Egans Hill	66	CW	62	5	64	5	65	5	66	5	68	5	69	5	71	5	72	5	73	5	74	5
El Arish	22	FN	7	-1	7	-1	8	-1	8	-1	8	-1	8	-1	8	-1	8	-1	8	-1	8	-1
Garbutt	66	R	102	8	106	8	110	8	114	8	117	8	121	8	125	8	128	8	131	9	133	9
Gin Gin	132	WB	188	8	193	9	201	12	206	13	210	14	214	15	218	16	222	17	225	18	228	19

Table D.1 Ergon connection point forecast of summer high growth native maximum demand (*continued*)

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Gladstone South	66	G	49	14	50	15	52	15	53	15	55	15	56	16	57	16	58	16	59	16	60	17
Ingham	66	R	22	-1	22	-1	22	-1	23	-1	23	-1	23	-1	23	-1	23	-1	24	-1	24	-1
Innisfail	22	FN	31	2	31	2	32	2	33	2	33	2	34	2	35	2	35	2	36	2	36	2
Kamerunga	22	FN	68	0	70	1	72	1	75	1	77	2	79	2	82	3	84	3	85	3	87	4
Kemmis	66	CW	33	7	33	7	34	8	35	8	35	8	36	8	37	8	37	8	38	8	38	8
Lilyvale (Barcaldine and Clermont)	132	CW	47	-8	48	-8	49	-8	50	-8	51	-7	51	-7	52	-7	53	-7	53	-7	54	-7
Lilyvale	66	CW	158	46	161	46	164	47	166	47	169	47	171	48	173	48	176	49	177	49	178	49
Mackay	33	N	100	-2	102	-2	105	-2	107	-3	109	-3	111	-4	113	-4	115	-4	117	-5	118	-5
Middle Ridge	110	SW	281	40	288	42	296	44	304	47	311	49	319	51	326	53	332	55	338	56	341	57
Middle Ridge (Postmans Ridge)	110	M	15	2	15	2	16	2	16	2	16	3	17	3	17	3	17	3	18	3	18	3
Moranbah (Broadlea)	132	N	54	22	55	23	56	24	57	24	58	25	59	26	60	27	61	27	62	28	63	29
Moranbah	66 and 11	N	134	52	138	53	142	54	146	56	150	57	153	58	156	59	159	60	162	61	164	61
Moura	66	CW	67	23	69	24	71	25	73	26	75	27	77	28	79	29	80	30	82	30	82	31
Nebo	11	N	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0
Newlands	66	N	26	4	24	3	25	3	26	4	27	4	27	4	28	4	29	4	29	4	29	4
Oakey	110	SW	24	7	25	8	25	8	26	8	27	8	27	9	28	9	28	9	28	9	29	9
Pandoin	66	CW	47	0	48	0	50	0	51	0	52	0	53	0	55	0	56	0	57	0	57	0
Pioneer Valley	66	N	82	13	84	14	87	14	90	15	92	16	95	17	97	18	100	19	102	19	104	20
Proserpine	66	N	63	8	65	9	66	9	68	9	69	10	71	10	72	10	74	11	75	11	76	11
Rockhampton	66	CW	111	6	114	6	117	6	121	7	124	7	127	7	130	7	134	8	136	8	138	8
Ross (Kidston, Millchester and Georgetown)	132	R	60	-11	58	-11	59	-11	60	-11	61	-11	61	-11	62	-11	63	-11	63	-11	64	-11
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1

Table D.1 Ergon connection point forecast of summer high growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tangkam	110	SW	35	2	36	2	37	2	38	3	38	3	39	3	40	3	40	3	41	3	41	3
Tarong	66	SW	58	13	59	14	61	15	62	15	64	16	65	16	66	17	67	17	68	17	69	18
Teebar Creek (Isis and Maryborough)	132	WB	154	49	157	51	161	53	165	55	169	57	173	59	177	61	180	63	183	64	185	65
Townsville East	66	R	42	12	44	13	45	13	47	13	48	13	49	14	50	14	51	14	51	14	52	14
Townsville South	66	R	100	21	103	22	106	23	110	24	113	25	116	26	119	27	122	28	125	29	127	30
Tully	22	R	16	0	16	0	16	0	17	0	17	1	17	1	17	1	18	1	18	1	18	1
Turkinje (Craiglie and Lakeland)	132	FN	33	-12	34	-12	35	-12	35	-11	36	-11	37	-11	38	-11	38	-11	39	-11	39	-11
Turkinje	66	FN	65	1	66	2	68	2	70	2	71	3	72	3	74	3	75	4	76	4	77	4
Woolooga (Kilkivan)	132	WB	19	0	20	1	20	1	21	1	21	1	21	1	22	2	22	2	22	2	23	2
Woree (Cairns North)	132	FN	100	1	103	1	105	1	108	2	111	2	114	3	117	3	119	3	122	4	123	4
Yarwun (Boat Creek)	132	G	55	25	56	26	58	27	59	28	61	28	62	29	63	30	65	31	66	32	67	32
Hail Creek and King Creek	Various	N	3	-2	3	-3	3	-3	4	-3	4	-3	4	-3	4	-3	4	-3	4	-4	4	-4

Notes

(1) Cairns City now combined with Woree

Table D.2 Ergon connection point forecast of summer medium growth native maximum demand

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Alan Sherriff	132	R	32	6	33	6	33	6	33	6	34	6	34	6	34	6	35	6	35	6	35	6
Aligator Creek (Louisa Creek)	132	N	41	12	42	12	43	12	43	13	44	13	44	13	45	13	45	13	45	13	45	13
Alligator Creek	33	N	28	6	29	7	29	7	29	7	30	7	30	7	30	7	30	7	31	7	31	7
Biloela	66	CW	36	-1	37	-1	37	0	37	0	37	0	38	0	38	0	38	0	38	0	38	0
Blackwater	132	CW	49	-17	50	-17	50	-17	51	-17	51	-16	51	-16	52	-16	52	-16	52	-16	52	-16
Blackwater	66	CW	105	10	107	10	108	10	109	11	110	11	111	11	112	11	112	11	113	11	113	11
Bowen North	66	N	33	6	33	7	34	7	34	7	35	7	35	7	35	7	36	7	36	7	36	7
Bulli Creek (Waggamba)	132	B	22	-5	22	-5	22	-5	22	-5	22	-5	23	-5	23	-5	23	-5	23	-5	23	-5
Cairns	22	FN	61	5	61	5	62	5	63	5	63	5	64	5	65	5	66	6	66	6	67	6
Cairns City (1)	132																					
Calliope River	132	G	60	-1	60	0	61	0	62	0	63	0	64	0	64	0	65	0	66	1	66	1
Cardwell	22	R	5	1	5	1	5	1	5	1	5	2	5	2	5	2	5	2	5	2	5	2
Chinchilla	132	S	22	4	22	4	23	4	23	4	23	4	23	4	23	4	23	4	23	4	23	4
Clare South	66	R	83	25	84	25	98	31	99	31	99	31	99	32	100	32	100	32	100	32	100	32
Collinsville North	33	N	18	-7	18	-7	18	-7	19	-8	19	-8	19	-8	19	-8	19	-8	19	-8	19	-8
Columboola	132	S	86	-2	86	-2	86	-2	87	-2	87	-2	87	-2	86	-2	86	-2	86	-2	85	-3
Dan Gleeson	66	R	118	5	120	5	122	5	124	5	126	5	127	5	129	5	131	5	132	5	134	5
Dysart	66	CW	48	8	48	8	49	8	50	8	50	8	51	8	51	8	52	8	52	8	52	8
Edmonton	22	FN	53	-5	54	-5	56	-5	57	-5	58	-5	59	-5	61	-5	62	-5	63	-5	64	-5
Egans Hill	66	CW	62	5	62	5	63	5	64	5	64	5	65	5	66	5	66	5	67	5	67	5
El Arish	22	FN	7	-1	7	-1	7	-1	7	-1	7	-1	8	-1	8	-1	8	-1	8	-1	8	-1
Garbutt	66	R	101	8	103	8	106	8	108	8	110	8	113	8	115	8	117	8	119	8	120	8
Gin Gin	132	WB	186	7	188	8	194	10	196	10	198	11	200	11	202	12	203	12	204	12	205	13

Table D.2 Ergon connection point forecast of summer medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Gladstone South	66	G	49	14	49	14	50	14	51	15	51	15	52	15	53	15	53	15	54	15	54	15
Ingham	66	R	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1	21	-1	21	-1
Innisfail	22	FN	30	2	31	2	31	2	31	2	32	2	32	2	32	2	32	2	32	2	32	2
Kamerunga	22	FN	67	0	68	0	69	0	71	1	72	1	74	1	75	2	77	2	78	2	79	2
Kemmis	66	CW	32	7	33	7	33	7	33	7	34	7	34	7	34	8	34	8	34	8	34	8
Lilyvale (Barcaldine and Clermont)	132	CW	47	-8	47	-8	47	-8	48	-8	48	-8	48	-8	48	-8	48	-8	48	-8	48	-8
Lilyvale	66	CW	157	46	158	46	159	46	160	46	160	46	161	46	161	46	161	46	161	46	161	46
Mackay	33	N	99	-1	100	-1	101	-2	102	-2	103	-2	103	-2	104	-2	105	-2	105	-2	105	-2
Middle Ridge	110	SW	273	38	277	39	281	40	286	41	289	42	293	44	296	44	299	45	301	46	303	47
Middle Ridge (Postmans Ridge)	110	M	14	2	15	2	15	2	15	2	15	2	15	2	16	2	16	2	16	2	16	2
Moranbah (Broadlea)	132	N	53	22	54	22	55	23	55	23	55	23	56	24	56	24	56	24	56	24	56	24
Moranbah	66 and 11	N	133	51	135	52	137	53	139	53	141	54	142	54	143	55	144	55	145	55	145	55
Moura	66	CW	67	23	68	23	69	24	70	25	71	25	72	25	72	26	73	26	73	26	73	26
Nebo	11	N	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0
Newlands	66	N	26	4	23	3	24	3	24	3	25	3	25	3	25	3	25	3	25	3	26	3
Oakey	110	SW	24	7	24	7	25	8	25	8	25	8	25	8	25	8	26	8	26	8	26	8
Pandoin	66	CW	47	0	48	0	48	0	49	0	50	0	50	0	51	0	51	0	52	0	52	0
Pioneer Valley	66	N	80	12	82	13	84	13	85	14	87	14	88	15	90	15	91	16	93	16	94	17
Proserpine	66	N	63	8	64	9	65	9	66	9	67	9	67	9	68	9	68	10	69	10	69	10
Rockhampton	66	CW	110	6	112	6	113	6	115	6	117	6	119	7	121	7	122	7	123	7	125	7
Ross (Kidston, Millichester and Georgetown)	132	R	60	-11	57	-11	57	-11	57	-11	58	-11	58	-11	58	-11	58	-11	57	-11	57	-11
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1

Table D.2 Ergon connection point forecast of summer medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Tangkam	110	SW	35	2	35	2	36	2	37	2	37	2
Tarong	66	SW	57	13	58	13	59	14	60	14	61	15
Teebar Creek (Isis and Maryborough)	132	WB	152	48	154	49	155	50	158	51	159	52
Townsville East	66	R	42	12	43	12	44	13	44	13	45	13
Townsville South	66	R	100	20	101	21	103	22	105	22	107	23
Tully	22	R	15	0	16	0	16	0	16	0	16	0
Turkinje (Craigie and Lakeland)	132	FN	33	-12	33	-12	34	-12	34	-12	35	-11
Turkinje	66	FN	64	1	65	1	66	1	67	2	68	2
Woolooga (Kilkivan)	132	WB	19	0	19	0	19	0	20	1	20	1
Woree (Cairns North)	132	FN	99	0	100	1	102	1	103	1	105	1
Yarwun (Boat Creek)	132	G	54	25	55	25	56	26	57	26	58	27
Hail Creek and King Creek	Various	N	3	-2	3	-2	3	-3	3	-3	3	-2

Notes

(1) Cairns City now combined with Woree

Table D.3 Ergon connection point forecast of summer low growth native maximum demand

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Alan Sherriff	132	R	32	6	32	6	32	6	32	6	32	6	32	6	32	6	32	6	32	6	32	6
Aligator Creek (Louisa Creek)	132	N	41	12	42	12	42	12	42	12	42	12	42	12	42	12	42	12	42	12	41	12
Alligator Creek	33	N	28	6	29	6	29	7	29	7	29	7	29	6	28	6	28	6	28	6	28	6
Biloela	66	CW	36	-1	36	-1	36	-1	36	-1	36	-1	36	-1	35	-1	35	-1	35	-1	34	-1
Blackwater	132	CW	49	-17	49	-17	49	-17	49	-17	49	-17	49	-17	48	-17	48	-17	48	-17	47	-17
Blackwater	66	CW	105	10	105	10	106	10	106	10	106	10	105	10	105	10	104	10	104	10	103	10
Bowen North	66	N	33	6	33	6	33	7	33	7	33	7	33	7	33	7	33	7	33	7	33	6
Bulli Creek (Waggamba)	132	B	22	-5	22	-5	22	-5	22	-5	22	-5	22	-5	22	-5	22	-5	22	-5	21	-5
Cairns	22	FN	61	5	61	5	61	5	61	5	61	5	60	5	60	5	60	5	60	5	60	5
Cairns City (1)	132																					
Calliope River	132	G	59	-1	60	0	60	0	60	0	61	0	61	0	61	0	61	0	61	0	60	0
Cardwell	22	R	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1
Chinchilla	132	S	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4
Clare South	66	R	84	25	84	25	97	30	97	30	96	30	96	30	95	30	95	30	94	29	93	29
Collinsville North	33	N	18	-7	18	-7	18	-7	18	-7	18	-7	18	-7	18	-7	18	-7	17	-7	17	-6
Columboola	132	S	86	-2	85	-3	85	-3	84	-3	83	-3	83	-4	82	-4	81	-4	80	-5	78	-5
Dan Gleeson	66	R	118	5	119	5	119	5	120	5	120	5	120	5	120	5	121	5	121	5	121	5
Dysart	66	CW	47	8	48	8	48	8	48	8	48	8	48	8	48	8	48	8	48	8	47	8
Edmonton	22	FN	53	-5	54	-5	54	-5	55	-5	55	-5	56	-5	56	-5	57	-5	57	-5	58	-5
Egans Hill	66	CW	62	5	62	5	62	5	62	5	62	5	61	5	61	5	61	5	61	5	61	5
El Arish	22	FN	7	-1	7	-1	7	-1	7	-1	7	-1	7	-1	7	-1	7	-1	7	-1	7	-1
Garbutt	66	R	101	8	102	8	103	8	104	8	105	8	106	8	106	8	107	8	108	8	109	8
Gin Gin	132	WB	187	7	188	8	192	9	192	9	192	9	192	9	191	9	191	9	190	8	189	8

Table D.3 Ergon connection point forecast of summer low growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Gladstone South	66	G	49	14	49	14	49	14	49	14	50	14
Ingham	66	R	22	-1	22	-1	21	-1	20	-1	20	-1
Innisfail	22	FN	30	2	30	2	30	2	30	2	30	2
Kamerunga	22	FN	66	0	67	0	68	0	69	0	70	1
Kemmis	66	CW										
Lilyvale (Barcaldine and Clermont)	132	CW	46	-8	47	-8	46	-8	45	-9	44	-9
Lilyvale	66	CW	156	45	156	46	155	45	152	45	149	44
Mackay	33	N	99	-1	99	-1	99	-1	98	-1	97	-1
Middle Ridge	110	SW	274	38	276	39	278	39	278	39	278	39
Middle Ridge (Postmans Ridge)	110	M	14	2	15	2	15	2	15	2	15	2
Moranbah (Broadlea)	132	N	53	22	54	22	53	22	53	21	52	21
Moranbah	66 and 11	N	132	51	133	52	135	52	134	52	133	51
Moura	66	CW	67	23	67	23	68	23	68	23	67	23
Nebo	11	N	4	0	4	0	4	0	3	0	3	0
Newlands	66	N	26	4	23	3	23	3	23	3	23	3
Oakey	110	SW	24	7	24	7	24	7	24	7	23	7
Pandoin	66	CW	47	0	47	0	48	0	48	0	47	0
Pioneer Valley	66	N	80	12	81	12	83	13	84	13	85	14
Proserpine	66	N	63	8	63	8	64	9	64	9	64	8
Rockhampton	66	CW	110	6	111	6	112	6	113	6	113	6
Ross (Kidston, Millichester and Georgetown)	132	R	59	-11	56	-11	55	-11	54	-11	53	-12
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1

Table D.3 Ergon connection point forecast of summer low growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tangkam	110	SW	35	2	35	2	35	2	35	2	34	2
Tarong	66	SW	57	13	57	13	58	13	57	13	57	13
Teebar Creek (Isis and Maryborough)	132	WB	151	48	153	48	153	49	153	48	152	48
Townsville East	66	R	42	12	43	12	43	12	43	12	43	12
Townsville South	66	R	100	20	101	21	103	21	104	22	104	22
Tully	22	R	15	0	15	0	15	0	15	0	15	0
Turkinje (Craiglie and Lakeland)	132	FN	33	-12	33	-12	33	-12	33	-12	33	-12
Turkinje	66	FN	64	1	65	1	65	1	64	1	64	1
Woolooga (Kilkivan)	132	WB	19	0	19	0	19	0	19	0	19	0
Woree (Cairns North)	132	FN	98	0	99	1	100	1	100	1	101	1
Yarwun (Boat Creek)	132	G	54	24	54	25	55	25	55	25	55	25
Hail Creek and King Creek	Various	N	3	-2	3	-2	3	-2	3	-2	3	-2

Notes

(1) Cairns City now combined with Woree

Table D.4 Ergon connection point forecast of winter high growth native maximum demand

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Alan Sherriff	132	R	20	2	20	2	21	3	21	3	22	3	22	3	23	3	23	3	24	3	24	3
Aligator Creek (Louisa Creek)	132	N	39	11	41	12	42	12	43	13	44	13	45	13	46	14	47	14	48	14	48	14
Alligator Creek	33	N	20	4	21	4	21	4	22	4	22	4	23	4	23	5	23	5	24	5	24	5
Biloela	66	CW	31	-2	32	-2	32	-2	33	-2	33	-2	34	-1	34	-1	35	-1	35	-1	35	-1
Blackwater	132	CW	49	-17	50	-17	51	-16	52	-16	53	-16	54	-16	55	-16	56	-16	57	-16	57	-15
Blackwater	66	CW	106	10	108	10	111	11	114	11	117	11	119	11	121	11	123	11	124	11	125	11
Bowen North	66	N	28	5	29	5	29	5	30	5	31	6	31	6	32	6	32	6	33	6	33	7
Bulli Creek (Waggamba)	132	B	25	-4	25	-4	26	-4	26	-4	27	-4	27	-4	27	-4	28	-3	28	-3	28	-3
Cairns	22	FN	42	1	43	1	43	2	45	2	46	2	47	2	48	2	49	3	49	3	50	3
Cairns City (1)	132																					
Calliope River	132	G	51	-2	52	-2	53	-2	55	-1	56	-1	57	-1	58	-1	59	-1	60	0	61	0
Cardwell	22	R	4	1	4	1	4	1	4	1	4	1	4	1	4	1	5	1	5	1	5	1
Chinchilla	132	S	15	1	16	1	16	2	16	2	17	2	17	2	17	2	17	2	18	2	18	2
Clare South	66	R	51	12	62	16	64	17	65	17	66	18	67	18	68	18	68	19	69	19	69	19
Collinsville North	33	N	18	-7	19	-8	19	-8	19	-8	20	-9	20	-9	21	-10	21	-10	21	-10	21	-10
Columboola	132	S	72	-7	73	-7	74	-7	75	-6	75	-6	76	-6	77	-6	77	-5	78	-5	78	-5
Dan Gleeson	66	R	81	4	83	4	86	4	88	4	91	4	93	4	95	4	97	4	99	4	100	5
Dysart	66	CW	48	8	49	8	51	8	52	8	53	8	55	8	56	8	57	8	57	8	58	8
Edmonton	22	FN	34	-5	35	-5	36	-5	38	-5	39	-5	40	-5	42	-5	43	-5	44	-5	45	-5
Egans Hill	66	CW	46	5	47	5	49	5	50	5	51	5	52	5	53	5	54	5	55	5	55	5
El Arish	22	FN	5	0	5	0	5	0	5	0	5	0	5	0	6	0	6	0	6	0	6	0
Garbutt	66	R	75	6	78	7	81	7	83	7	86	7	89	7	92	7	94	7	96	7	98	7
Gin Gin	132	WB	154	-2	158	-1	164	1	168	2	171	3	175	4	178	5	181	6	183	6	185	7
Gladstone South	66	G	34	10	34	10	35	11	36	11	37	11	38	12	39	12	40	12	41	12	41	12

Table D.4 Ergon connection point forecast of winter high growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Ingham	66	R	20	-1	21	-1	21	-1	21	-1	22	-1
Innisfail	22	FN	24	2	24	2	25	2	26	2	27	2
Kamerunga	22	FN	40	-5	41	-5	43	-5	44	-4	48	-3
Kemmis	66	CW	32	7	33	7	34	8	35	8	37	8
Lilyvale (Barcaldine and Clermont)	132	CW	36	-10	37	-10	37	-10	39	-10	40	-9
Lilyvale	66	CW	157	46	160	46	163	47	166	47	171	48
Mackay	33	N	65	5	67	5	68	5	70	4	73	4
Middle Ridge	110	SW	277	39	285	41	292	43	300	46	315	50
Middle Ridge (Postmans Ridge)	110	M	15	2	15	2	16	2	16	3	17	3
Moranbah (Broadlea)	132	N	57	24	58	25	59	26	60	27	62	28
Moranbah	66 and 11	N	133	52	137	53	141	54	145	56	152	58
Moura	66	CW	68	23	70	24	72	25	74	26	77	28
Nebo	11	N	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	24	3	25	3	26	4	27	4	28	4
Oakey	110	SW	22	6	22	6	23	7	23	7	24	7
Pandoin	66	CW	41	0	42	0	43	0	44	0	47	0
Pioneer Valley	66	N	50	3	52	3	53	4	55	4	58	5
Proserpine	66	N	43	3	44	4	45	4	46	4	48	5
Rockhampton	66	CW	90	4	93	4	96	5	99	5	105	5
Ross (Kidston, Millichester and Georgetown)	132	R	50	-12	49	-12	50	-12	51	-12	52	-12
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1
Tangkam	110	SW	35	2	35	2	36	2	37	2	38	3

Table D.4 Ergon connection point forecast of winter high growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Tarong	66	SW	52	11	54	12	55	12	56	13	58	13	59	14	60	14	61	15	62	15	62	15
Teebar Creek (Isis and Maryborough)	132	WB	133	38	136	40	140	42	143	44	147	45	150	47	153	49	155	50	158	51	159	52
Townsville East	66	R	31	10	32	10	33	10	34	10	34	11	35	11	36	11	36	11	37	11	37	11
Townsville South	66	R	66	9	68	9	70	10	73	11	75	12	77	12	79	13	81	14	82	14	83	15
Tully	22	R	15	0	15	0	15	0	16	0	16	0	16	0	17	0	17	1	17	1	17	1
Turkinje (Craiglie and Lakeland)	132	FN	26	-13	27	-13	27	-13	28	-12	28	-12	29	-12	30	-12	30	-12	30	-12	31	-12
Turkinje	66	FN	59	0	60	0	61	0	63	1	64	1	65	1	67	2	68	2	68	2	69	2
Woolooga (Kilkivan)	132	WB	16	-1	17	-1	17	-1	17	-1	18	0	18	0	18	0	19	0	19	0	19	0
Woree (Cairns North)	132	FN	72	-3	74	-3	76	-3	78	-2	81	-2	83	-2	85	-1	86	-1	88	-1	89	-1
Yarwun (Boat Creek)	132	G	52	23	54	24	55	25	57	26	58	27	60	28	61	29	62	29	63	30	64	30
Hail Creek and King Creek	Various	N	3	-2	3	-3	3	-3	4	-3	4	-3	4	-3	4	-3	4	-3	4	-3	4	-4

Notes

(1) Cairns City now combined with Woree

Table D.5 Ergon connection point forecast of winter medium growth native maximum demand

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Alan Sherriff	132	R	19	2	20	2	20	2	20	2	20	2	21	3	21	3	21	3	22	3	22	3
Aligator Creek (Louisa Creek)	132	N	39	11	39	11	40	11	41	12	41	12	42	12	42	12	42	12	42	12	42	12
Alligator Creek	33	N	20	3	20	4	20	4	21	4	21	4	21	4	21	4	21	4	21	4	21	4
Biloela	66	CW	30	-3	31	-2	31	-2	31	-2	31	-2	31	-2	31	-2	31	-2	31	-2	31	-2
Blackwater	132	CW	48	-17	49	-17	49	-17	50	-17	50	-17	50	-17	50	-17	51	-17	51	-17	50	-17
Blackwater	66	CW	104	10	106	10	107	10	108	10	109	11	110	11	110	11	111	11	111	11	111	11
Bowen North	66	N	28	5	28	5	28	5	29	5	29	5	29	5	29	5	30	5	30	5	30	5
Bulli Creek (Waggamba)	132	B	25	-4	25	-4	25	-4	25	-4	26	-4	26	-4	26	-4	26	-4	26	-4	26	-4
Cairns	22	FN	41	1	42	1	42	1	42	1	43	1	43	2	44	2	44	2	45	2	46	2
Cairns City (1)	132																					
Calliope River	132	G	50	-2	51	-2	52	-2	53	-2	53	-2	54	-2	54	-1	55	-1	55	-1	56	-1
Cardwell	22	R	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1
Chinchilla	132	S	15	1	15	1	16	1	16	2	16	2	16	2	16	2	16	2	16	2	16	2
Clare South	66	R	51	12	61	16	63	16	63	17	63	17	63	17	64	17	64	17	64	17	63	17
Collinsville North	33	N	18	-7	18	-7	18	-7	18	-7	19	-8	19	-8	19	-8	19	-8	19	-8	19	-8
Columboola	132	S	71	-7	71	-7	71	-7	71	-7	71	-7	71	-7	71	-8	70	-8	70	-8	70	-8
Dan Gleeson	66	R	80	4	81	4	82	4	84	4	85	4	86	4	87	4	89	4	90	4	90	4
Dysart	66	CW	47	8	48	8	49	8	49	8	50	8	50	8	51	8	51	8	51	8	51	8
Edmonton	22	FN	33	-5	34	-5	35	-5	36	-5	37	-5	37	-5	38	-5	39	-5	40	-5	41	-5
Egans Hill	66	CW	46	5	46	5	47	5	47	5	48	5	48	5	49	5	49	5	50	5	50	5
El Arish	22	FN	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
Garbutt	66	R	73	6	75	6	77	7	79	7	80	7	82	7	84	7	86	7	87	7	89	7
Gin Gin	132	WB	153	-2	155	-2	159	0	161	0	163	1	164	1	165	1	166	2	167	2	167	2
Gladstone South	66	G	33	10	33	10	34	10	34	10	35	11	35	11	36	11	36	11	37	11	37	11

Table D.5 Ergon connection point forecast of winter medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Ingham	66	R	20	-1	20	-1	20	-1	20	-1	20	-1
Innisfail	22	FN	23	2	23	2	24	2	24	2	24	2
Kamerunga	22	FN	39	-5	40	-5	42	-5	44	-4	46	-4
Kemmis	66	CW	32	7	32	7	33	7	33	7	34	7
Lilyvale (Barcaldine and Clermont)	132	CW	35	-10	36	-10	36	-10	36	-10	36	-10
Lilyvale	66	CW	155	45	156	45	157	46	158	46	160	46
Mackay	33	N	65	5	65	5	66	5	67	5	68	5
Middle Ridge	110	SW	273	38	277	39	281	40	285	41	289	42
Middle Ridge (Postmans Ridge)	110	M	14	2	15	2	15	2	15	2	16	2
Moranbah (Broadlea)	132	N	56	24	57	24	57	25	58	25	59	26
Moranbah	66 and 11	N	132	51	134	52	136	53	138	53	141	54
Moura	66	CW	67	23	68	23	69	24	70	24	71	25
Nebo	11	N	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	24	3	24	3	25	3	25	3	26	4
Oakey	110	SW	21	6	22	6	22	6	22	6	22	6
Pandoin	66	CW	40	0	41	0	42	0	42	0	43	0
Pioneer Valley	66	N	49	2	50	3	51	3	52	3	53	4
Proserpine	66	N	43	3	43	3	44	4	44	4	45	4
Rockhampton	66	CW	89	4	90	4	92	4	94	5	95	5
Ross (Kidston, Millichester and Georgetown)	132	R	49	-12	48	-12	48	-12	49	-12	49	-12
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1
Tangkam	110	SW	34	2	35	2	35	2	35	2	36	2

Table D.5 Ergon connection point forecast of winter medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Tarong	66	SW	52	11	53	11	53	12	54	12	54	12	55	12	55	12	55	12	55	12	55	12
Teebar Creek (Isis and Maryborough)	132	WB	130	37	132	38	134	39	136	40	137	40	139	41	140	42	141	42	141	43	142	43
Townsville East	66	R	30	10	31	10	31	10	32	10	32	10	32	10	32	10	33	10	33	10	33	10
Townsville South	66	R	65	8	66	9	67	9	68	10	70	10	71	10	72	11	73	11	73	11	74	12
Tully	22	R	15	0	15	0	15	0	15	0	15	0	15	0	15	0	15	0	15	0	15	0
Turkinje (Craiglie and Lakeland)	132	FN	26	-13	26	-13	26	-13	27	-13	27	-13	27	-13	27	-13	27	-13	28	-13	28	-13
Turkinje	66	FN	58	-1	58	0	59	0	60	0	60	0	61	0	61	0	62	0	62	0	62	0
Woolooga (Kilkivan)	132	WB	16	-1	16	-1	16	-1	17	-1	17	-1	17	-1	17	-1	17	-1	17	-1	17	-1
Woree (Cairns North)	132	FN	71	-3	72	-3	73	-3	74	-3	75	-3	76	-2	78	-2	78	-2	79	-2	80	-2
Yarwun (Boat Creek)	132	G	52	23	53	24	54	24	54	25	55	25	56	25	56	26	57	26	57	26	57	26
Hail Creek and King Creek	Various	N	3	-2	3	-2	3	-2	3	-2	3	-2	3	-2	3	-2	3	-2	3	-2	3	-2

Notes

(1) Cairns City now combined with Woree

Table D.6 Ergon connection point forecast of winter low growth native maximum demand

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Alan Sherriff	132	R	19	2	19	2	19	2	19	2	19	2	19	2	19	2	19	2	19	2	19	2
Aligator Creek (Louisa Creek)	132	N	39	11	39	11	39	11	39	11	39	11	39	11	39	11	39	11	39	11	38	11
Alligator Creek	33	N	20	3	20	3	20	3	20	3	20	3	20	3	20	3	20	3	19	3	19	3
Biloela	66	CW	30	-2	30	-3	30	-3	30	-3	30	-3	30	-3	30	-3	29	-3	29	-3	29	-3
Blackwater	132	CW	48	-17	48	-17	48	-17	48	-17	48	-17	48	-17	47	-17	47	-17	46	-17	46	-17
Blackwater	66	CW	104	10	104	10	104	10	104	10	104	10	103	10	103	10	102	10	101	10	100	10
Bowen North	66	N	28	5	28	5	28	5	28	5	28	5	28	5	28	5	28	5	28	5	27	5
Bulli Creek (Waggamba)	132	B	25	-4	25	-4	25	-4	25	-4	25	-4	25	-4	25	-4	24	-4	24	-4	24	-5
Cairns	22	FN	41	1	40	1	40	1	40	1	40	1	40	1	40	1	40	1	40	1	41	1
Cairns City (1)	132																					
Calliope River	132	G	50	-2	50	-2	50	-2	51	-2	51	-2	51	-2	51	-2	51	-2	51	-2	50	-2
Cardwell	22	R	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1
Chinchilla	132	S	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1
Clare South	66	R	51	11	60	15	61	16	61	16	60	16	60	15	60	15	59	15	59	15	58	15
Collinsville North	33	N	18	-7	18	-7	18	-7	18	-7	18	-7	18	-7	17	-7	17	-6	17	-6	17	-6
Columboola	132	S	71	-8	70	-8	70	-8	69	-8	68	-8	67	-9	67	-9	66	-9	65	-10	131	-10
Dan Gleeson	66	R	80	4	80	4	80	4	81	4	81	4	81	4	81	4	81	4	82	4	82	4
Dysart	66	CW	47	8	47	8	47	8	48	8	48	8	47	8	47	8	47	8	47	8	46	8
Edmonton	22	FN	33	-5	33	-5	34	-5	34	-5	34	-5	35	-5	35	-5	36	-5	36	-5	36	-5
Egans Hill	66	CW	45	5	45	5	45	5	45	5	45	5	45	5	45	5	45	5	45	5	45	5
El Arish	22	FN	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
Garbutt	66	R	73	6	74	6	75	6	75	6	76	6	76	7	77	7	78	7	79	7	80	7
Gin Gin	132	WB	152	-3	152	-2	155	-2	156	-2	155	-2	155	-2	154	-2	154	-2	153	-2	153	-2

Table D.6 Ergon connection point forecast of winter low growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Gladstone South	66	G	33	10	33	10	33	10	33	10	33	10	33	10	33	10	33	10	33	10	34	10
Ingham	66	R	20	-1	20	-1	20	-1	19	-1	19	-1	19	-1	19	-1	18	-1	18	-1	18	-2
Innisfail	22	FN	23	2	23	2	23	2	23	2	23	2	23	2	23	2	22	2	22	2	22	2
Kamerunga	22	FN	39	-5	39	-5	39	-5	40	-5	40	-5	40	-5	41	-5	41	-5	42	-5	43	-5
Kemmis	66	CW	35	-10	35	-10	35	-10	35	-11	35	-11	34	-11	34	-11	34	-11	33	-11	33	-11
Lilyvale (Barcaldine and Clermont)	132	CW	35	-10	35	-10	35	-10	35	-11	35	-11	34	-11	34	-11	34	-11	33	-11	33	-11
Lilyvale	66	CW	154	45	153	45	153	45	153	45	152	45	151	45	150	45	149	44	148	44	146	44
Mackay	33	N	64	5	64	5	64	5	64	5	64	6	64	6	63	6	63	6	63	6	63	6
Middle Ridge	110	SW	272	0	274	38	274	38	275	38	275	38	275	38	274	38	274	38	274	38	274	38
Middle Ridge (Postmans Ridge)	110	M	14	0	14	2	14	2	14	2	14	2	14	2	14	2	14	2	14	2	14	2
Moranbah (Broadlea)	132	N	56	24	56	24	56	24	56	24	56	23	55	23	55	23	55	23	54	22	54	22
Moranbah	66 and 11	N	131	51	132	51	132	51	133	52	133	52	133	51	132	51	132	51	131	51	130	51
Moura	66	CW	66	23	67	23	67	23	67	23	67	23	67	23	67	23	66	23	66	22	65	22
Nebo	11	N	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	24	3	24	3	24	3	24	3	24	3	24	3	24	3	24	3	24	3	23	3
Oakey	110	SW	21	6	21	6	21	6	21	6	21	6	21	6	21	6	21	6	21	6	20	6
Pandoin	66	CW	40	0	41	0	41	0	41	0	41	0	41	0	41	0	41	0	41	0	41	0
Pioneer Valley	66	N	49	2	49	2	50	3	50	3	51	3	51	3	51	3	52	3	52	3	53	3
Proserpine	66	N	42	3	43	3	43	3	43	3	43	3	43	3	43	3	43	3	43	3	43	3
Rockhampton	66	CW	88	4	89	4	90	4	90	4	91	4	91	4	91	4	92	4	92	4	92	4
Ross (Kidston, Millichester and Georstown)	132	R	49	-12	48	-12	47	-12	47	-12	47	-12	46	-13	46	-13	45	-13	45	-13	44	-13
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	2	-1	2	-1

Table D.6 Ergon connection point forecast of winter low growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Tangkam	110	SW	34	2	34	2	34	2	34	2	33	2
Tarong	66	SW	51	11	52	11	52	11	51	11	51	11
Teebar Creek (Isis and Maryborough)	132	WB	131	37	132	38	132	38	132	37	131	37
Townsville East	66	R	30	10	31	10	31	10	30	10	30	10
Townsville South	66	R	64	8	65	8	66	9	67	9	67	9
Tully	22	R	15	0	15	0	15	0	14	0	14	0
Turkinje (Craiglie and Lakeland)	132	FN	25	-13	26	-13	26	-13	25	-13	25	-13
Turkinje	66	FN	57	-1	57	-1	57	-1	57	-1	56	-1
Woolooga (Kilkivan)	132	WB	16	-1	16	-1	16	-1	16	-1	16	-1
Woree (Cairns North)	132	FN	70	-3	71	-3	71	-3	71	-3	72	-3
Yarwun (Boat Creek)	132	G	52	23	53	24	53	24	53	24	53	24
Hail Creek and King Creek	Various	N	3	-2	3	-2	3	-2	3	-2	3	-2

Notes

(1) Cairns City now combined with Woree

Table D.7 Energex connection point forecast of summer high growth native maximum demand

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Abermain	110	M	70	4	72	4	74	3	77	3	79	3	81	3	83	2	84	2	86	2	88	2
Abermain	33	M	110	14	115	14	120	15	126	16	131	16	135	17	140	18	144	18	149	19	152	20
Algerier	33	M	77	18	80	19	83	21	86	22	89	23	91	24	94	25	96	26	98	27	99	28
Ashgrove West	110	M	124	7	127	7	130	8	138	9	143	9	146	10	149	10	152	10	154	11	155	11
Ashgrove West	33	M	80	12	82	13	85	14	87	15	90	16	92	17	94	18	97	18	99	19	100	20
Belmont	110	M	387	56	409	64	425	70	439	76	450	80	462	84	472	88	482	92	490	95	495	97
Blackstone (Raceview)	110	M	119	15	125	16	131	17	139	18	144	19	148	19	153	20	159	21	164	21	168	22
Bundamba	110	M	39	14	42	15	44	16	45	16	46	17	47	17	48	18	49	18	50	18	50	19
Goodna	33	M	158	-6	171	-7	177	-7	185	-8	191	-8	198	-9	204	-10	209	-10	214	-11	218	-11
Loganlea	110	M	500	151	544	174	601	204	626	217	645	227	668	239	686	249	700	256	713	263	724	269
Loganlea	33	M	111	0	116	-1	119	-1	123	-2	127	-2	130	-3	133	-3	136	-4	139	-4	141	-4
Middle Ridge (Postmans Ridge and Gatton)	110	M	109	-7	112	-7	115	-7	118	-6	120	-6	123	-6	125	-5	128	-5	130	-5	132	-4
Molendinar	110	GC	606	-52	630	-55	655	-57	681	-60	703	-62	723	-64	742	-66	759	-68	774	-69	786	-70
Mudgeeraba	110	GC	369	72	385	77	400	82	413	86	425	90	437	94	448	98	459	101	468	104	476	106
Mudgeeraba	33	GC	24	4	25	5	26	5	27	5	28	6	29	6	30	6	31	7	31	7	32	7
Murarrie	110	M	545	66	570	70	589	73	606	76	623	78	646	82	662	84	675	86	685	88	694	89
Palmwoods	110 and 132	M	504	104	528	110	548	115	569	120	587	124	607	129	624	133	641	137	658	142	670	145
Redbank Plains	11	M	36	2	39	2	43	3	45	3	46	3	48	3	49	4	50	4	52	4	53	4
Richlands	33	M	132	28	137	30	140	32	143	33	146	34	150	35	153	37	156	38	158	39	160	39
Rocklea	110	M	163	59	170	63	175	66	181	69	186	72	190	74	195	77	218	90	221	92	224	94
Runcorn	33	M	72	6	76	7	79	8	82	9	117	17	119	17	122	18	124	18	125	19	127	19
South Pine	110	M	1139	119	1188	130	1233	140	1277	150	1318	160	1357	169	1393	177	1507	203	1535	209	1559	215
Sumner	110	M	36	10	37	11	38	11	39	12	40	12	41	13	42	13	43	13	44	14	45	14

Table D.7 Energex connection point forecast of summer high growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tennyson	33	M	201	8	208	9	213	9	219	9	226	10	232	10	238	11	244	11	249	11	252	11
Wecker Road	33	M	135	21	139	23	143	24	148	26	152	28	156	29	160	30	164	32	167	33	170	34
Woollooga (Gympie)	132	M	261	-48	268	-49	274	-50	281	-52	288	-53	294	-54	299	-56	304	-57	309	-58	312	-58

Table D.8 Energex connection point forecast of summer medium growth native maximum demand

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Abermain	110	M	69	4	71	4	72	4	74	3	75	3	76	3	77	3	78	3	78	3	79	3
Abermain	33	M	109	14	112	14	117	15	120	15	123	15	126	16	129	16	133	17	136	17	139	18
Algester	33	M	76	18	78	18	79	19	81	20	82	20	84	21	86	22	87	23	89	23	90	24
Ashgrove West	110	M	123	7	124	7	126	7	133	8	136	9	137	9	139	9	140	9	140	9	141	9
Ashgrove West	33	M	78	11	79	11	80	12	82	12	83	13	84	13	86	14	87	15	89	15	90	16
Belmont	110	M	382	55	399	61	410	65	418	68	424	70	430	72	436	74	441	77	446	78	449	80
Blackstone (Raceview)	110	M	118	15	123	16	127	16	134	17	137	18	140	18	144	19	147	19	151	20	154	20
Bundamba	110	M	39	14	42	15	42	15	43	15	43	16	44	16	44	16	45	16	45	16	46	17
Goodna	33	M	155	-6	167	-6	171	-7	176	-7	180	-7	185	-8	189	-8	193	-8	196	-9	199	-9
Loganlea	110	M	495	148	533	168	582	194	599	203	611	209	628	218	640	225	650	230	658	234	666	238
Loganlea	33	M	109	0	113	-1	115	-1	117	-1	119	-1	121	-2	123	-2	125	-2	127	-2	128	-3
Middle Ridge (Postmans Ridge and Gatton)	110	M	108	-7	109	-7	111	-7	112	-7	114	-7	115	-7	116	-6	117	-6	117	-6	118	-6
Molendinar	110	GC	602	-52	617	-53	633	-55	650	-57	662	-58	674	-59	685	-60	695	-61	704	-62	711	-63
Mudgeeraba	110	GC	368	72	379	75	388	78	395	80	402	82	409	85	415	87	423	89	429	91	435	93
Mudgeeraba	33	GC	24	4	24	4	25	5	26	5	26	5	27	5	28	6	28	6	29	6	29	6
Murarie	110	M	539	65	557	68	568	70	577	71	586	73	599	75	609	76	614	77	619	78	622	78
Palmwoods	110 and 132	M	498	103	516	107	529	110	542	113	554	116	566	119	578	122	589	125	601	128	609	130
Redbank Plains	11	M	35	2	39	2	42	3	43	3	44	3	45	3	46	3	47	3	48	3	48	4
Richlands	33	M	130	28	134	29	135	30	137	30	138	31	139	31	141	32	143	33	144	33	145	34
Rocklea	110	M	161	57	166	60	168	62	171	63	174	65	177	66	179	68	200	80	201	81	203	82
Runcorn	33	M	71	6	74	7	75	7	77	7	78	8	80	8	82	8	83	9	85	9	86	9
South Pine	110	M	1128	116	1162	124	1189	130	1215	136	1239	142	1264	147	1288	153	1309	158	1329	162	1346	166
Sumner	110	M	35	10	36	10	36	10	37	10	37	11	38	11	38	11	39	11	39	12	40	12

Table D.8 Energex connection point forecast of summer medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tennyson	33	M	199	8	202	8	205	9	208	9	211	9	215	9	218	9	222	10	225	10	228	10
Wecker Road	33	M	134	21	136	22	138	23	141	23	143	24	145	25	148	26	150	27	152	28	154	28
Woolooga (Gympie)	132	M	258	-47	262	-48	265	-48	268	-49	271	-50	274	-50	277	-51	279	-51	281	-52	283	-52

Table D.9 Energex connection point forecast of summer low growth native maximum demand

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Abermain	110	M	69	4	70	4	71	4	71	4	72	4	72	4	72	4	72	4	72	4	72	4
Abermain	33	M	109	13	111	14	114	14	116	14	118	15	119	15	120	15	122	15	124	16	126	16
Algerier	33	M	75	17	76	18	77	18	77	18	77	18	77	18	78	18	78	18	79	19	79	19
Ashgrove West	110	M	123	7	123	7	124	7	129	8	131	8	131	8	131	8	131	8	131	8	131	8
Ashgrove West	33	M	79	11	79	11	80	12	80	12	80	12	80	12	80	12	81	12	81	12	82	13
Belmont	110	M	382	54	396	60	402	62	405	63	406	63	406	63	406	63	407	64	408	64	408	64
Blackstone (Raceview)	110	M	118	15	122	15	124	16	130	17	131	17	133	17	135	17	137	18	139	18	142	18
Bundamba	110	M	38	14	41	15	41	15	41	15	41	15	41	15	41	15	41	15	41	15	41	15
Goodna	33	M	155	-6	165	-6	168	-6	171	-7	173	-7	175	-7	177	-7	179	-7	181	-7	182	-7
Loganlea	110	M	493	147	526	165	569	188	580	193	585	196	593	200	597	202	601	204	606	207	610	209
Loganlea	33	M	109	0	113	-1	114	-1	114	-1	115	-1	115	-1	116	-1	116	-1	117	-1	118	-1
Middle Ridge (Postmans Ridge and Gatton)	110	M	108	-7	109	-7	109	-7	109	-7	109	-7	109	-7	109	-7	109	-7	108	-7	108	-7
Molendinar	110	GC	597	-51	609	-53	618	-54	627	-54	631	-55	634	-55	636	-55	639	-56	642	-56	645	-56
Mudgeeraba	110	GC	364	70	372	73	377	74	379	75	380	75	381	76	382	76	385	77	388	78	391	79
Mudgeeraba	33	GC	24	4	24	4	24	4	25	4	25	5	25	5	25	5	26	5	26	5	26	5
Murarie	110	M	534	65	548	67	554	68	556	68	558	68	564	69	566	70	566	70	565	70	565	70
Palmwoods	110 and 132	M	495	102	509	105	517	107	523	109	529	110	533	111	537	112	542	113	550	115	554	116
Redbank Plains	11	M	35	2	38	2	41	3	42	3	42	3	42	3	43	3	43	3	44	3	44	3
Richlands	33	M	130	28	132	29	132	29	132	29	132	28	131	28	131	28	131	28	131	28	131	28
Rocklea	110	M	161	57	165	59	166	60	167	61	168	62	169	62	170	62	189	73	189	74	189	74
Runcorn	33	M	71	6	73	7	74	7	74	7	74	7	74	7	74	7	75	7	76	7	77	7
South Pine	110	M	1121	115	1146	120	1160	124	1171	126	1179	128	1184	129	1191	131	1199	133	1207	134	1217	137
Sumner	110	M	35	10	35	10	35	10	35	10	35	10	35	10	35	10	35	10	35	10	36	10

Table D.9 Energex connection point forecast of summer low growth native maximum demand (*continued*)

Connection point	Voltage (kV)	Zone	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tennyson	33	M	198	8	200	8	200	8	200	8	201	8	201	8	201	8	202	8	203	8	205	9
Wecker Road	33	M	134	21	135	21	135	22	136	22	136	22	137	22	137	22	138	22	139	23	140	23
Woolooga (Gympie)	132	M	257	-47	259	-47	260	-47	261	-48	260	-47	260	-47	259	-47	258	-47	258	-47	257	-47

Table D.10 Energex connection point forecast of winter high growth native maximum demand

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Abermain	110	M	69	4	70	4	73	3	75	3	77	3	78	3	80	3	82	2	83	2	85	2
Abermain	33	M	78	9	82	10	86	10	90	11	93	11	96	12	99	12	103	13	105	13	108	13
Algerier	33	M	61	11	64	12	66	13	68	14	71	15	73	16	75	17	76	18	78	18	78	19
Ashgrove West	110	M	98	4	99	4	103	5	109	5	112	6	114	6	116	6	118	6	120	7	121	7
Ashgrove West	33	M	59	3	61	4	63	5	65	6	67	6	69	7	71	8	72	9	74	9	76	10
Belmont	110	M	289	20	309	27	322	32	333	36	343	40	353	43	362	47	369	50	376	52	382	54
Blackstone (Raceview)	110	M	85	10	89	11	94	12	99	12	102	13	105	13	109	14	113	14	116	15	119	15
Bundamba	110	M	30	10	33	11	34	12	35	12	36	13	37	13	37	13	38	14	39	14	39	14
Goodna	33	M	121	-5	130	-5	137	-5	142	-6	147	-6	152	-6	156	-6	160	-6	163	-6	166	-6
Loganlea	110	M	400	98	436	118	486	144	504	153	519	161	537	170	550	177	561	183	570	188	576	191
Loganlea	33	M	90	3	95	2	98	1	101	1	104	1	107	0	110	0	112	0	114	-1	116	-1
Middle Ridge (Postmans Ridge and Gatton)	110	M	103	-8	105	-8	108	-7	111	-7	114	-7	116	-6	119	-6	121	-6	123	-6	124	-5
Molendinar	110	GC	499	-42	520	-44	541	-46	563	-48	581	-50	597	-51	612	-53	625	-54	636	-55	645	-56
Mudgeeraba	110	GC	268	39	282	44	293	47	303	51	313	54	323	57	332	60	340	62	347	65	352	66
Mudgeeraba	33	GC	22	4	23	4	24	4	25	5	25	5	26	5	27	5	28	6	28	6	29	6
Murarie	110	M	405	39	422	43	437	47	451	50	465	54	483	57	493	58	502	60	510	61	515	62
Palmwoods	110 and 132	M	402	79	419	83	435	87	451	91	466	95	481	99	495	102	510	106	521	108	529	110
Redbank Plains	11	M	27	1	31	1	33	1	34	2	35	2	36	2	37	2	38	2	39	2	39	2
Richlands	33	M	110	20	113	21	115	22	118	23	121	24	123	25	126	26	128	27	130	28	132	28
Rocklea	110	M	134	42	139	45	144	47	149	50	153	53	157	55	176	66	180	68	183	70	185	72
Runcorn	33	M	55	2	59	3	61	4	96	12	99	12	101	13	103	13	105	14	106	14	108	14
South Pine	110	M	874	58	911	67	947	75	980	82	1012	90	1042	97	1148	121	1172	126	1193	131	1209	135
Sumner	110	M	25	5	25	5	26	5	27	6	27	6	28	6	29	7	30	7	30	7	31	8

Table D.10 Energex connection point forecast of winter high growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tennyson	33	M	149	5	154	5	159	6	164	6	169	6	173	7	178	7	182	7	186	7	189	8
Wecker Road	33	M	104	10	108	11	111	13	115	14	118	15	122	17	125	18	128	19	131	20	133	21
Woolooga (Gympie)	132	M	231	-41	237	-43	243	-44	249	-45	255	-46	260	-47	265	-48	269	-49	272	-50	275	-51

Table D.11 Energex connection point forecast of winter medium growth native maximum demand

Connection point	Voltage (kV)	Zone	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Abermain	110	M	68	4	69	4	70	4	71	4	72	3
Abermain	33	M	77	9	79	9	82	10	85	10	87	11
Algester	33	M	60	10	61	11	62	11	63	12	65	13
Ashgrove West	110	M	96	4	97	4	99	4	104	5	106	5
Ashgrove West	33	M	57	2	58	3	59	3	60	3	61	4
Belmont	110	M	284	18	299	23	306	26	313	29	319	31
Blackstone (Raceview)	110	M	83	10	87	10	91	11	95	12	97	12
Bundamba	110	M	30	10	32	11	32	11	33	11	33	12
Goodna	33	M	119	-5	127	-5	131	-5	135	-5	138	-5
Loganlea	110	M	395	96	427	112	470	135	482	141	492	147
Loganlea	33	M	89	3	93	2	95	2	96	2	98	1
Middle Ridge (Postmans Ridge and Gatton)	110	M	101	-8	103	-8	105	-8	106	-8	107	-7
Molendinar	110	GC	492	-41	505	-42	518	-44	532	-45	542	-46
Mudgeeraba	110	GC	263	38	272	41	279	43	286	45	292	47
Mudgeeraba	33	GC	22	3	22	4	23	4	23	4	24	4
Murarie	110	M	397	37	408	40	417	42	424	44	431	46
Palmwoods	110 and 132	M	400	79	412	82	423	84	433	87	443	89
Redbank Plains	11	M	26	1	30	1	31	1	32	1	33	1
Richlands	33	M	108	19	110	20	111	20	112	21	113	21
Rocklea	110	M	132	41	136	43	139	44	141	46	144	47
Runcorn	33	M	53	2	56	3	57	3	59	3	60	4
South Pine	110	M	864	56	887	61	908	66	928	71	948	75
Sumner	110	M	24	5	25	5	25	5	25	5	25	5

Table D.11 Energex connection point forecast of winter medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tennyson	33	M	147	5	150	5	152	5	154	5	157	6	160	6	163	6	166	6	169	6	172	6
Wecker Road	33	M	102	9	104	10	106	11	108	12	110	12	112	13	115	14	117	15	119	16	121	16
Woolooga (Gympie)	132	M	228	-41	231	-41	234	-42	237	-43	240	-43	242	-44	244	-44	246	-45	248	-45	248	-45

Table D.12 Energex connection point forecast of winter low growth native maximum demand

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Abermain	110	M	67	4	68	4	69	4	69	4	69	4	69	4	69	4	69	4	70	4	69	4
Abermain	33	M	77	9	78	9	80	9	82	10	82	10	83	10	84	10	86	10	87	10	89	11
Algerier	33	M	59	10	59	10	60	10	60	10	60	10	60	10	61	11	61	11	62	11	63	12
Ashgrove West	110	M	96	4	95	4	96	4	100	4	101	4	101	4	100	4	100	4	100	4	100	4
Ashgrove West	33	M	57	2	57	3	58	3	58	3	58	3	58	3	58	3	59	3	60	4	61	4
Belmont	110	M	281	17	293	21	297	23	299	23	300	24	301	24	303	25	305	26	308	27	312	28
Blackstone (Raceview)	110	M	83	10	85	10	89	11	91	11	92	11	93	11	95	12	96	12	98	12	100	12
Bundamba	110	M	30	10	32	11	32	11	32	11	32	11	32	11	32	11	32	11	32	11	32	11
Goodna	33	M	118	-5	125	-5	128	-5	130	-5	131	-5	133	-5	134	-5	136	-5	137	-5	139	-5
Loganlea	110	M	393	95	420	109	458	129	465	132	468	134	475	138	478	140	482	141	485	143	488	145
Loganlea	33	M	89	3	91	2	92	2	93	2	93	2	94	2	94	2	95	2	95	2	96	2
Middle Ridge (Postmans Ridge and Gatton)	110	M	101	-8	101	-8	102	-8	102	-8	102	-8	102	-8	102	-8	102	-8	101	-8	101	-8
Molendinar	110	GC	490	-41	498	-42	505	-42	512	-43	515	-43	517	-43	519	-44	522	-44	525	-44	527	-44
Mudgeeraba	110	GC	261	37	268	39	272	40	273	41	275	41	276	42	279	43	282	44	285	45	289	46
Mudgeeraba	33	GC	22	3	22	3	22	4	22	4	22	4	23	4	23	4	23	4	24	4	24	4
Murarie	110	M	395	36	402	38	406	39	408	40	410	40	416	42	417	42	417	42	418	42	419	42
Palmwoods	110 and 132	M	395	77	403	79	408	81	413	82	417	83	420	84	424	85	431	86	435	87	439	88
Redbank Plains	11	M	26	1	29	1	30	1	31	1	31	1	31	1	32	1	32	1	33	1	33	1
Richlands	33	M	107	19	108	19	108	19	108	19	108	19	107	19	107	19	107	19	107	19	108	19
Rocklea	110	M	130	40	133	41	134	42	135	42	136	43	137	43	153	53	154	53	154	53	155	54
Runcorn	33	M	53	2	55	2	55	2	56	2	56	2	56	3	57	3	58	3	59	3	60	4
South Pine	110	M	853	53	866	56	877	59	884	60	889	62	894	63	901	64	907	66	915	68	924	70
Sumner	110	M	24	4	24	4	24	4	24	4	24	4	24	4	24	4	24	4	24	4	25	5

Table D.12 Energex connection point forecast of winter low growth native maximum demand (*continued*)

Connection point	Voltage (kV)	Zone	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Tennyson	33	M	146	5	148	5	148	5	148	5	148	5	148	5	149	5	150	5	152	5	154	5
Wecker Road	33	M	102	9	102	10	103	10	103	10	104	10	104	10	105	10	106	11	107	11	109	12
Woolooga (Gympie)	132	M	227	-40	228	-41	228	-41	228	-41	228	-41	227	-41	227	-40	226	-40	225	-40	225	-40

Table D.13 Sum of individual summer high growth native peak forecast demands for the transmission connected loads

Connection point (1)	2025/26		2026/27		2027/28		2028/29		2029/30		2030/30		2030/31		2031/32		2032/33		2033/34	
	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Transmission connected industrial loads (2)	1,179	489	1,179	481	1,264	483	1,276	487	1,359	487	1,482	524	1,799	604	1,866	626	1,935	648	2,240	724
Transmission connected mining loads (3)	72	73	80	78	82	80	87	83	98	90	98	90	96	88	96	88	96	88	96	88
Transmission connected CSG loads (4)	906	262	896	261	872	269	864	270	928	268	948	260	939	254	922	251	892	254	836	247
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVAR) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA, Aldoga GEM and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside, Iron Bark and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumbarrilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Oonooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVAR) coincident peak is significantly lower.

Table D.14 Sum of individual summer medium growth native peak forecast demands for the transmission connected loads

Connection point (1)	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r
Transmission connected industrial loads (2)	1,179	489	1,179	481	1,254	480	1,260	482	1,340	481	1,455	514	1,468	518	1,468	518	1,822	612	1,822	612
Transmission connected mining loads (3)	72	73	79	77	81	79	83	81	88	84	91	86	89	83	89	83	89	83	89	83
Transmission connected CSG loads (4)	899	260	890	259	832	255	810	253	865	249	873	235	855	229	837	223	805	226	757	228
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVA_r) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA, Aldoga GEM and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside, Iron Bark and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Oonooie, Peak Downs, Wandoan and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVA_r) coincident peak is significantly lower.

Table D.15 Sum of individual summer low growth native peak forecast demands for the transmission connected loads

Connection point (1)	2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		2034/35	
	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r
Transmission connected industrial loads (2)	1,179	466	1,179	458	1,179	438	1,185	440	1,205	446	1,302	480	1,302	480	1,302	480	1,302	480	1,302	480
Transmission connected mining loads (3)	72	73	72	73	81	79	81	79	83	81	88	84	89	83	89	83	89	83	89	83
Transmission connected CSG loads (4)	885	260	872	254	738	221	699	218	701	215	762	214	740	208	697	200	663	197	581	184
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVA_r) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA, Aldoga GEM and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside, Iron Bark and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Oonooie, Peak Downs, Wandoan and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVA_r) coincident peak is significantly lower.

Table D.16 Sum of individual winter high growth native peak forecast demands for the transmission connected loads

Connection point (1)	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035 (7)	
	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Transmission connected industrial loads (2)	1,226	478	1,311	480	1,323	484	1,386	501	1,506	537	1,826	619	1,893	640	1,962	662	2,267	739	2,765	864
Transmission connected mining loads (3)	80	78	82	80	87	83	101	90	101	90	99	88	99	88	99	88	99	88	99	88
Transmission connected CSG loads (4)	903	261	891	270	859	271	916	269	940	261	946	256	929	253	911	255	881	254	854	253
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVar) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA, Aldoga GEM and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside, Iron Bark and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Oonooie, Peak Downs, Wandoan and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVar) coincident peak is significantly lower.
- (7) Connection point loads for winter 2031 have been extrapolated.

Table D.17 Sum of individual winter medium growth native peak forecast demands for the transmission connected loads

Connection point (1)	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035 (7)	
	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Transmission connected industrial loads (2)	1,226	477	1,301	476	1,307	478	1,367	495	1,479	527	1,492	531	1,492	531	1,846	625	1,846	625	1,846	625
Transmission connected mining loads (3)	79	77	81	79	83	81	91	84	93	86	91	83	91	83	91	83	91	83	91	83
Transmission connected CSG loads (4)	898	260	843	255	816	253	853	250	865	237	865	230	845	224	824	220	788	229	755	242
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

(1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVar) forecasts are calculated based on historical power factors at each connection point.

(2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA, Aldoga GEM and QAL.

(3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside, Iron Bark and North Goonyella.

(4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.

(5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Oonooie, Peak Downs, Wandoan and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.

(6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVar) coincident peak is significantly lower.

(7) Connection point loads for winter 2031 have been extrapolated.

Table D.18 Sum of individual winter low growth native peak forecast demands for the transmission connected loads

Connection point (1)	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035 (7)
	MW	MVar	MW	MVar	MW	MVar	MW	MVar	MW	MVar
Transmission connected industrial loads (2)	1,224	475	1,224	455	1,230	457	1,250	463	1,255	465
	72	73	81	79	81	79	83	81	84	91
Transmission connected mining loads (3)										
	888	258	778	227	709	217	694	216	734	217
Transmission connected CSG loads (4)										
	112	167	112	167	112	167	112	167	112	167
Transmission connected rail supply substations (5)(6)										

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVar) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA, Aldoga GEM and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside, Iron Bark and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Oonooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVar) coincident peak is significantly lower.
- (7) Connection point loads for winter 2031 have been extrapolated.