

All-Island Ten Year Transmission Forecast Statement 2013

Errata

January 2014

In October 2013, EirGrid and SONI published the All-Island Ten Year Transmission Forecast Statement 2013 (TYTFS). A publishing error in this document has been noted, to which your attention is now drawn.

Corrections and missing data are presented here; corrections are bolded while missing data is highlighted in blue. It must be stressed that the Northern Ireland short circuit current levels for winter peak 2016/17 were calculated correctly but a node was omitted from Table E-4 and subsequently the short circuit current level data in this table did not align for certain nodes. Only the nodes in question are presented in the updated Table E-4 below as all other nodes in the published version of this table are correct. These changes have not been made in the document on the EirGrid and SONI websites or in the printed version of the document.

EirGrid and SONI regret any inconvenience that these errors may have caused, and will continue its endeavours to provide, insofar as it is reasonable possible, accurate and meaningful information in fulfilment of its requirements under Section 38 of the Electricity Regulation Act 1999 (EirGrid) and Condition 33 of the Licence to participate in the Transmission of Electricity granted to SONI by the Department of Enterprise Trade and Investment.

Corrections to All-Island Ten Year Transmission Forecast Statement 2013 Appendix B

Table B-14 Changes in Circuit Characteristics Expected in 2013

Change	Volt	From	To	No.	Length	Impedance p.u. on 100			Rating (MVA)		
						R	X	B	Summer	Autumn	Winter
Connection of Ballakelly Generator into the new Ballakelly 220 kV station											
Add	220	BY	LOU	1	1.5	0.000	0.001	0.041	593		593

Corrections to All-Island Ten Year Transmission Forecast Statement 2013 Appendix E

Table E-4 Northern Ireland Short Circuit Current Levels for Winter Peak 2016/17

Node	Rating			Three Phase				Single Phase			
	RMS [kA]	Peak [kA]	Asym [kA]	I'' [kA]	ip [kA]	IB [kA]	asym B [kA]	I'' [kA]	ip [kA]	IB [kA]	asym B [kA]
275kV											
Ballylumford	26.5	66.3	35.65	17.9	45.68	15.82	19.99	20.35	52.27	18.93	24.18
Castlereagh	31.5	79	35.65	15.76	39.15	13.91	16.00	16.6	41.24	15.42	17.73
Coolkeeragh	31.5	79	35.3	12.34	29.94	11.37	12.67	12.44	30.83	11.93	13.77
Hannahstown	31.5	79	35.65	15.49	38.58	13.7	15.84	16.43	40.99	15.29	17.88
Kells	31.5	79	35.65	18.01	45.62	15.97	19.34	18.63	46.58	17.47	20.27
Kilroot	31.5	79	45.3	18.02	46.19	15.94	20.27	21.75	56.25	20.23	26.16
Magherafelt	31.5	79	35.65	17.94	45.09	16.05	18.70	15.25	36.9	14.5	15.32
Moyle	31.5	79	35.65	17.53	44.67	15.52	19.44	19.84	50.84	18.48	23.32
Tandragee	26.5	66.3	35.65	18.9	47.11	16.87	19.36	18.44	45.57	17.35	19.69
Tamnamore	31.5	79	57.3	17.63	43.99	15.82	18.06	14.62	35.71	13.92	15.22
Aghyoule	25.0	62.5		4.21	8.87	3.98	4.15	4.17	9.34	4.02	4.37
Airport Road	40	100		11.11	24.17	7.12	10.33	11.26	24.82	10.77	11.19
Antrim	18.4	46.8		9.81	20.75	9.34	9.44	9.72	20.90	9.45	9.76
Ballylumford*	21.9	55	25.88	23.07	57.30	21.10	27.39				
	26.2	65.0	29.7					27.22	68.53	25.79	33.81
Ballymena	18.4	46.8		9.52	20.39	7.65	9.00	9.73	21.52	9.40	9.93

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Table E-4 Northern Ireland Short Circuit Current Levels for Winter Peak 2016/17 (continued)

Node	Rating			Three Phase				Single Phase			
	RMS [kA]	Peak [kA]	Asym [kA]	I'' [kA]	ip [kA]	IB [kA]	asym B [kA]	I'' [kA]	ip [kA]	IB [kA]	asym B [kA]
110kV											
Banbridge	18.4	46.8		6.55	13.75	6.24	6.29	6.48	14.32	6.33	6.57
Ballynahinch	18.4	46.8		5.97	12.45	6.65	5.67	5.94	12.98	5.76	5.99
Belfast central	31.5	79		16.03	37.88	11.63	14.49	18.99	41.20	17.64	19.00
Belfast North Main	18.4	46.8		15.37	33.02	7.37	14.18	15.05	29.31	14.35	15.55
Brockaghboy Cluster	40	100		4.72	10.09	6.92	4.53	4.69	10.61	4.57	4.75
Carnmoney	26.2	65.0	44.9	8.95	18.32	6.19	8.51	8.80	18.80	8.54	8.78
Castlereagh	31.5	79	33.5	20.45	50.36	19.73	18.06	26.14	64.94	23.73	29.18
Coleraine	31.5	79	42.5	9.34	20.24	7.80	8.59	10.48	23.35	9.87	10.27
Coolkeeragh	31.5	80	33.5	22.94	56.23	18.31	20.84	27.69	68.48	26.02	31.46
Creagh	31.5	80	33.5	8.36	16.77	3.71	7.99	8.64	18.33	8.40	8.45
Cregagh	26.2	65		18.16	43.58	13.83	16.22	22.22	51.16	20.40	22.44
Donegall North	31.5	79	33.5	17.97	42.85	12.06	16.39	21.70	47.86	20.30	21.28
Donegall South				13.47	30.19	7.43	12.53	14.27	30.90	13.64	14.01
Drumnakelly	31.5	79.0	42.5	17.71	42.41	12.14	16.22	19.07	45.82	18.01	19.92
Dungannon	18.4	46.8	23	12.68	29.01	8.99	11.92	12.72	29.88	12.24	13.15
Eden	25.0	62.5	45	10.02	20.61	5.65	9.52	9.68	20.64	9.42	9.62
Enniskillen	25.0	62.5	33.5	9.12	19.10	5.82	8.47	10.61	23.34	10.02	10.18
Finaghy	31.5	79		18.59	45.21	14.20	16.93	23.29	53.39	21.71	23.15
Glengormley	18.4	46.8		5.62	11.11	3.60	5.43	5.43	11.37	5.33	5.37
Gort Cluster	40.0	100		8.52	19.86	8.75	8.10	7.69	17.85	7.47	8.19
Hannahstown	31.5	80	33.5	20.84	51.73	18.96	18.81	26.72	66.76	24.72	30.17
Kells*	40.0	100	42.51	20.72	49.74	18.39	18.95	25.61	62.12	24.03	28.99
Killymallaght	40.0	100.0		12.76	28.86	7.69	12.11	12.17	27.14	11.83	12.35
Knock	18.4	46.8		16.87	35.71	6.56	15.16	16.69	32.02	15.64	16.65
Larne	18.4	46.8	42.5	9.71	20.45	4.88	9.25	9.15	20.07	8.91	9.08
Limavady	18.4	46.8	23	7.98	16.92	5.44	7.50	8.33	18.36	8.00	8.17
Lisburn	18.4	46.8	23	12.81	27.93	6.51	11.98	12.46	26.90	11.98	12.36
Lisaghmore	18.4	46.8		10.24	21.70	6.52	9.73	9.80	21.24	9.54	9.86
Loguestown	18.4	46.8		6.36	13.19	5.97	5.96	6.75	14.53	6.47	6.59
Magherakeel	40.0	100		5.62	13.17	15.89	5.26	5.74	14.02	5.48	6.64
Mid-Antrim	40.0	100		7.48	16.04	7.51	7.09	7.60	16.77	7.34	7.65
Newtownards	40.0	100		8.32	17.66	6.40	7.84	7.80	17.43	7.54	7.82
Newry	18.4	46.8	23.0	5.59	11.64	6.54	5.34	5.55	12.16	5.40	5.61
Omagh	40.0	100	42.5	15.91	35.20	7.26	14.63	15.60	35.28	14.79	15.52
Omagh South	40	100		11.24	23.58	5.11	10.51	9.49	19.75	9.14	9.15
Rathgael	18.4	46.8		6.40	13.35	6.32	6.07	6.29	13.71	6.09	6.31
Rosebank	40.0	100		18.67	45.32	15.58	16.65	23.38	57.62	21.41	25.25
Slieve Kirk	40.0	100		8.54	17.83	6.15	8.24	8.40	18.43	8.24	8.43
Springtown	31.5	79.0	33.6	10.41	22.25	6.71	9.92	10.15	22.10	9.89	10.22
Strabane	18.4	46.8	23	16.01	34.83	6.03	14.97	16.92	38.01	16.23	16.73
Tandragee	31.5	79	33.5	20.80	51.80	20.26	18.88	24.86	62.56	23.18	28.89
Tamnamore	40.0	100	45	18.90	46.40	19.72	17.60	18.74	46.41	17.96	21.76
Tremoge Cluster	40.0	100		9.12	19.44	6.13	8.72	8.01	17.79	7.82	8.12
Waringstown	18.4	46.8		8.29	18.25	7.42	7.89	8.00	18.11	7.77	8.16