

APPENDIX B MARKET PARTICIPANTS - NORTHERN IRELAND TRANSMISSION LOSS ADJUSTMENT FACTORS 2009

NI Transmission-Connected Generation Station	Unit Identifier		Connected at	Month																							
				January		February		March		April		May		June		July		August		September		October		November		December	
	SO	MO		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Ballylumford	B4	GU_500100	Ballylumford 275 kV	0.965	0.965	0.967	0.964	0.969	0.965	0.962	0.970	0.966	0.971	0.971	0.981	0.966	0.979	0.966	0.978	0.974	0.990	0.980	1.005	0.982	0.997	0.980	0.989
Ballylumford	B5	GU_500110	Ballylumford 275 kV	0.965	0.965	0.967	0.964	0.969	0.965	0.962	0.970	0.966	0.971	0.971	0.981	0.966	0.979	0.966	0.978	0.974	0.990	0.980	1.005	0.982	0.997	0.980	0.989
Ballylumford	B6	GU_500120	Ballylumford 275 kV	0.965	0.965	0.967	0.964	0.969	0.965	0.962	0.970	0.966	0.971	0.971	0.981	0.966	0.979	0.966	0.978	0.974	0.990	0.980	1.005	0.982	0.997	0.980	0.989
Ballylumford	BGT1	GU_500150	Ballylumford 110 kV	0.956	0.963	0.959	0.962	0.960	0.961	0.955	0.968	0.959	0.969	0.965	0.978	0.962	0.977	0.961	0.976	0.970	0.988	0.976	1.003	0.976	0.995	0.973	0.987
Ballylumford	BGT2	GU_500160	Ballylumford 110 kV	0.956	0.963	0.959	0.962	0.960	0.961	0.955	0.968	0.959	0.969	0.965	0.978	0.962	0.977	0.961	0.976	0.970	0.988	0.976	1.003	0.976	0.995	0.973	0.987
Ballylumford	B10	GU_500140	Ballylumford 110 kV	0.956	0.963	0.959	0.962	0.960	0.961	0.955	0.968	0.959	0.969	0.965	0.978	0.962	0.977	0.961	0.976	0.970	0.988	0.976	1.003	0.976	0.995	0.973	0.987
Ballylumford Combined	B20, B21, B22	GU_500130/131	Ballylumford 275 kV	0.965	0.965	0.967	0.964	0.969	0.965	0.962	0.970	0.966	0.971	0.971	0.981	0.966	0.979	0.966	0.978	0.974	0.990	0.980	1.005	0.982	0.997	0.980	0.989
Coolkeeragh	C30	GU_500040	Coolkeeragh 275/110 kV	0.956	0.963	0.959	0.962	0.960	0.961	0.955	0.968	0.959	0.969	0.965	0.978	0.962	0.977	0.961	0.976	0.970	0.988	0.976	1.003	0.976	0.995	0.973	0.987
Coolkeeragh	CGT8	GU_500170	Coolkeeragh 110 kV	0.953	0.952	0.953	0.946	0.962	0.953	0.950	0.957	0.951	0.966	0.969	0.989	0.954	0.984	0.952	0.981	0.964	0.994	0.969	1.007	0.969	0.999	0.967	0.992
Kilroot	K1	GU_500060	Kilroot 275 kV	0.968	0.968	0.969	0.967	0.972	0.968	0.966	0.973	0.968	0.974	0.973	0.982	0.969	0.981	0.969	0.981	0.976	0.992	0.982	1.003	0.984	0.998	0.983	0.991
Kilroot	K2	GU_500070	Kilroot 275 kV	0.968	0.968	0.969	0.967	0.972	0.968	0.966	0.973	0.968	0.974	0.973	0.982	0.969	0.981	0.969	0.981	0.976	0.992	0.982	1.003	0.984	0.998	0.983	0.991
Kilroot	KGT1	GU_500080	Kilroot 275 kV	0.968	0.968	0.969	0.967	0.972	0.968	0.966	0.973	0.968	0.974	0.973	0.982	0.969	0.981	0.969	0.981	0.976	0.992	0.982	1.003	0.984	0.998	0.983	0.991
Kilroot	KGT2	GU_500090	Kilroot 275 kV	0.968	0.968	0.969	0.967	0.972	0.968	0.966	0.973	0.968	0.974	0.973	0.982	0.969	0.981	0.969	0.981	0.976	0.992	0.982	1.003	0.984	0.998	0.983	0.991
Moyle (Ballycronan More)*	M	GU_500200	Ballycronanmore 275 kV	0.965	0.965	0.967	0.964	0.969	0.965	0.962	0.970	0.966	0.971	0.971	0.981	0.967	0.979	0.966	0.978	0.974	0.990	0.980	1.005	0.983	0.998	0.980	0.990
Moyle (Auchencrosh)*	M	GU_500200	Auchencrosh 275 kV	0.947	0.947	0.949	0.946	0.951	0.947	0.944	0.952	0.948	0.953	0.953	0.963	0.949	0.961	0.948	0.960	0.956	0.972	0.962	0.987	0.965	0.980	0.962	0.972

NI Distribution-Connected Generation Station	Unit Identifier		Connected/Embedded at	Month																							
				January		February		March		April		May		June		July		August		September		October		November		December	
	SO	MO		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Altahullion (1)	Wind Farm	GU_500210	Limavady 110 kV	0.967	0.960	0.968	0.955	0.972	0.957	0.958	0.961	0.959	0.967	0.974	0.986	0.960	0.982	0.959	0.980	0.972	0.993	0.978	1.008	0.980	1.000	0.979	0.994
Altahullion (2)	Wind Farm	GU_500020	Limavady 110 kV	0.967	0.960	0.968	0.955	0.972	0.957	0.958	0.961	0.959	0.967	0.974	0.986	0.960	0.982	0.959	0.980	0.972	0.993	0.978	1.008	0.980	1.000	0.979	0.994
Bessy Bell (1)	Wind Farm	GU_500220	Omagh 110 kV	0.979	0.965	0.980	0.963	0.984	0.966	0.970	0.967	0.970	0.971	0.981	0.985	0.966	0.979	0.965	0.976	0.977	0.989	0.973	0.992	0.977	0.988	0.976	0.981
Bessy Bell (2)	Wind Farm	GU_500180	Omagh 110 kV	0.979	0.965	0.980	0.963	0.984	0.966	0.970	0.967	0.970	0.971	0.981	0.985	0.966	0.979	0.965	0.976	0.977	0.989	0.973	0.992	0.977	0.988	0.976	0.981
Bin Mountain	Wind Farm	GU_500010	Strabane 110 kV	0.960	0.956	0.961	0.950	0.969	0.956	0.956	0.960	0.956	0.967	0.973	0.988	0.957	0.983	0.955	0.980	0.968	0.993	0.970	1.003	0.970	0.996	0.969	0.989
Callagheen	Wind Farm		Enniskillen 110 kV	0.996	0.970	0.996	0.970	1.000	0.971	0.981	0.970	0.981	0.972	0.991	0.984	0.970	0.975	0.969	0.970	0.982	0.984	0.979	0.988	0.985	0.987	0.985	0.980
Corkey	Wind Farm		Ballymena 110 kV	0.976	0.971	0.977	0.970	0.981	0.972	0.972	0.976	0.974	0.977	0.979	0.987	0.974	0.984	0.975	0.984	0.982	0.996	0.989	1.009	0.992	1.003	0.990	0.996
Elliotts Hill	Wind Farm		Larne 110 kV	0.963	0.965	0.965	0.964	0.967	0.964	0.961	0.970	0.964	0.971	0.969	0.980	0.966	0.978	0.965	0.978	0.974	0.990	0.980	1.004	0.982	0.997	0.979	0.990
Lendrums Bridge	Wind Farm		Omagh 110 kV	0.979	0.965	0.980	0.963	0.984	0.966	0.970	0.967	0.970	0.981	0.985	0.966	0.979	0.965	0.976	0.977	0.989	0.973	0.992	0.977	0.988	0.976	0.981	
Lough Hill	Wind Farm		Strabane 110 kV	0.960	0.956	0.961	0.950	0.969	0.956	0.956	0.960	0.956	0.967	0.973	0.988	0.957	0.983	0.955	0.980	0.968	0.993	0.970	1.003	0.970	0.996	0.969	0.989
Owenreagh (1)	Wind Farm		Strabane 110 kV	0.960	0.956	0.961	0.950	0.969	0.956	0.956	0.960	0.956	0.967	0.973	0.988	0.957	0.983	0.955	0.980	0.968	0.993	0.970	1.003	0.970	0.996	0.969	0.989
Ridged Hill	Wind Farm		Coleraine 110 kV	0.977	0.968	0.978	0.964	0.979	0.963	0.965	0.966	0.965	0.971	0.979	0.988	0.966	0.984	0.965	0.982	0.977	0.995	0.984	1.011	0.987	1.004	0.986	0.997
Slieve Rushen (1)	Wind Farm		Aghyoule 110 kV	0.996	0.966	0.997	0.966	1.001	0.967	0.980	0.965	0.979	0.966	0.989	0.977	0.963	0.963	0.961	0.957	0.975	0.972	0.971	0.977	0.979	0.976	0.978	0.969
Slieve Rushen (2)	Wind Farm		Aghyoule 110 kV	0.996	0.966	0.997	0.966	1.001	0.967	0.980	0.965	0.979	0.966	0.989	0.977	0.963	0.963	0.961	0.957	0.975	0.972	0.971	0.977	0.979	0.976	0.978	0.969
Slievenahanaghan	Wind Farm		Ballymena 110 kV	0.976	0.971	0.977	0.970	0.981	0.972	0.972	0.976	0.974	0.977	0.979	0.987	0.974	0.984	0.975	0.984	0.982	0.996	0.989	1.009	0.992	1.003	0.990	0.996
Snugborough	Wind Farm		Aghyoule 110 kV	0.996	0.966	0.997	0.966	1.001	0.967	0.980	0.965	0.979	0.966	0.989	0.977	0.963	0.963	0.961	0.957	0.975	0.972	0.971	0.977	0.979	0.976	0.978	0.969
Tappaghan	Wind Farm		Omagh 110 kV	0.979	0.965	0.980	0.963	0.984	0.966	0.970	0.967	0.970	0.971	0.981	0.985	0.966	0.979	0.965	0.976	0.977	0.989	0.973	0.992	0.977	0.988	0.976	0.981
Wolf Bog	Wind Farm		Larne 110 kV	0.963	0.965	0.965	0.964	0.967	0.964	0.961	0.970	0.964	0.971	0.969	0.980	0.966	0.978	0.965	0.978	0.974	0.990	0.980	1.004	0.982	0.997	0.979	0.990

* The TLAFs for Moyle are provided at both ends of the HVDC Link. Ballycronan More is where the Moyle Interconnector connects to the NI Transmission System. Modification Mod_45_07 revised the T&SC. This requires the point of connection to the SEM to be defined at the Scottish side (Auchencrosh).

APPENDIX B **NORTHERN IRELAND TRANSMISSION LOSS ADJUSTMENT FACTORS 2009**

Transmission Station	Bus Voltage kV	Month																							
		January		February		March		April		May		June		July		August		September		October		November		December	
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Antrim	110	0.970	0.968	0.972	0.966	0.976	0.969	0.968	0.973	0.970	0.974	0.975	0.984	0.970	0.982	0.971	0.981	0.978	0.993	0.984	1.006	0.987	1.000	0.985	0.993
Ballylumford	110	0.956	0.963	0.959	0.962	0.960	0.961	0.955	0.968	0.959	0.969	0.965	0.978	0.962	0.977	0.961	0.976	0.970	0.988	0.976	1.003	0.976	0.995	0.973	0.987
Ballylumford	275	0.965	0.965	0.967	0.964	0.969	0.965	0.962	0.970	0.966	0.971	0.971	0.981	0.966	0.979	0.966	0.978	0.974	0.990	0.980	1.005	0.982	0.997	0.980	0.989
Ballymena	110	0.976	0.971	0.977	0.970	0.981	0.972	0.972	0.976	0.974	0.977	0.979	0.987	0.974	0.984	0.975	0.984	0.982	0.996	0.989	1.009	0.992	1.003	0.990	0.996
Banbridge	110	0.990	0.985	0.991	0.984	0.992	0.984	0.985	0.987	0.988	0.988	0.990	0.994	0.986	0.993	0.987	0.992	0.994	1.002	1.001	1.015	1.003	1.011	1.002	1.005
Ballyvally	110	0.963	0.965	0.964	0.964	0.967	0.964	0.960	0.970	0.963	0.971	0.969	0.980	0.965	0.978	0.965	0.978	0.974	0.990	0.980	1.004	0.981	0.997	0.978	0.989
Ballynahinch	110	0.991	0.983	0.992	0.982	0.995	0.984	0.985	0.987	0.988	0.987	0.992	0.994	0.987	0.993	0.988	0.992	0.996	1.004	1.004	1.020	1.009	1.014	1.007	1.007
Carmoney	110	0.976	0.975	0.978	0.974	0.980	0.974	0.973	0.979	0.976	0.980	0.980	0.988	0.976	0.986	0.976	0.986	0.985	0.998	0.992	1.013	0.994	1.006	0.992	0.999
Castlereagh	110	0.983	0.979	0.985	0.977	0.987	0.979	0.979	0.982	0.982	0.983	0.985	0.991	0.981	0.989	0.982	0.989	0.989	1.000	0.997	1.014	1.000	1.009	0.998	1.002
Castlereagh	275	0.977	0.975	0.979	0.974	0.981	0.975	0.974	0.979	0.977	0.980	0.981	0.988	0.977	0.986	0.977	0.985	0.984	0.997	0.991	1.010	0.994	1.005	0.992	0.998
Belast Central	110	0.984	0.980	0.986	0.978	0.988	0.979	0.980	0.983	0.983	0.984	0.986	0.991	0.982	0.990	0.983	0.989	0.990	1.001	0.998	1.015	1.001	1.010	1.000	1.003
Coleraine	110	0.977	0.968	0.978	0.964	0.979	0.963	0.965	0.966	0.965	0.971	0.979	0.988	0.966	0.984	0.965	0.982	0.977	0.995	0.984	1.011	0.987	1.004	0.986	0.997
Coolkeeragh	110	0.953	0.952	0.953	0.946	0.962	0.953	0.950	0.957	0.951	0.966	0.969	0.989	0.954	0.984	0.952	0.981	0.964	0.994	0.969	1.007	0.969	0.999	0.967	0.992
Coolkeeragh	275	0.955	0.955	0.956	0.950	0.964	0.956	0.953	0.960	0.954	0.967	0.970	0.988	0.957	0.984	0.955	0.981	0.966	0.994	0.972	1.008	0.972	1.000	0.970	0.993
Creagh	110	0.976	0.971	0.977	0.970	0.980	0.972	0.972	0.976	0.974	0.977	0.979	0.987	0.974	0.984	0.974	0.983	0.982	0.995	0.987	1.008	0.990	1.002	0.988	0.995
Cregagh	110	0.984	0.979	0.986	0.978	0.988	0.979	0.980	0.983	0.983	0.984	0.986	0.991	0.982	0.990	0.983	0.989	0.990	1.001	0.998	1.015	1.001	1.009	0.999	1.002
Donegal	110	0.980	0.977	0.982	0.975	0.984	0.977	0.976	0.981	0.980	0.982	0.983	0.989	0.979	0.988	0.980	0.987	0.987	0.999	0.994	1.013	0.998	1.007	0.996	1.000
Drumnakelly	110	0.986	0.982	0.987	0.981	0.989	0.982	0.982	0.985	0.985	0.986	0.988	0.993	0.984	0.991	0.984	0.990	0.991	1.001	0.998	1.013	1.000	1.009	0.999	1.003
Dungannon	110	0.981	0.975	0.983	0.974	0.986	0.975	0.976	0.979	0.978	0.981	0.984	0.991	0.977	0.987	0.976	0.986	0.985	0.997	0.989	1.008	0.992	1.003	0.991	0.997
Eden	110	0.968	0.971	0.971	0.970	0.972	0.969	0.966	0.975	0.969	0.976	0.974	0.984	0.971	0.983	0.970	0.982	0.980	0.994	0.986	1.009	0.987	1.002	0.984	0.994
Enniskillen	110	0.996	0.970	0.996	0.970	1.000	0.971	0.981	0.970	0.981	0.972	0.991	0.984	0.970	0.975	0.969	0.970	0.982	0.984	0.979	0.988	0.985	0.987	0.985	0.980
Aghyule	110	0.996	0.966	0.997	0.966	1.001	0.967	0.980	0.965	0.979	0.966	0.989	0.977	0.963	0.963	0.961	0.957	0.975	0.972	0.971	0.977	0.979	0.976	0.978	0.969
Finaghy	110	0.979	0.976	0.981	0.975	0.983	0.976	0.975	0.980	0.979	0.981	0.982	0.989	0.979	0.987	0.979	0.986	0.986	0.998	0.994	1.012	0.997	1.007	0.995	0.999
Glengormley	110	0.996	0.968	0.997	0.968	1.001	0.969	0.981	0.968	0.980	0.969	0.990	0.981	0.967	0.969	0.965	0.964	0.979	0.978	0.975	0.983	0.982	0.982	0.982	0.975
Hannahstown	110	0.979	0.976	0.981	0.975	0.983	0.976	0.975	0.980	0.979	0.981	0.982	0.988	0.978	0.987	0.978	0.986	0.986	0.998	0.993	1.012	0.996	1.006	0.994	0.999
Hannahstown	275	0.975	0.973	0.977	0.972	0.979	0.973	0.971	0.977	0.975	0.978	0.979	0.986	0.975	0.985	0.975	0.984	0.982	0.996	0.989	1.009	0.992	1.003	0.990	0.996
Kells	110	0.969	0.967	0.970	0.966	0.973	0.967	0.966	0.972	0.968	0.974	0.974	0.983	0.969	0.981	0.969	0.981	0.976	0.992	0.982	1.005	0.985	0.999	0.983	0.992
Kells	275	0.968	0.968	0.970	0.966	0.972	0.967	0.965	0.972	0.968	0.974	0.973	0.983	0.969	0.981	0.969	0.981	0.976	0.992	0.982	1.005	0.985	0.999	0.983	0.992
Kilroot	275	0.968	0.968	0.969	0.967	0.972	0.968	0.966	0.973	0.968	0.974	0.973	0.982	0.969	0.981	0.969	0.981	0.976	0.992	0.982	1.003	0.984	0.998	0.983	0.991
Knock	110	0.984	0.980	0.986	0.978	0.988	0.979	0.980	0.983	0.983	0.984	0.987	0.991	0.982	0.990	0.983	0.989	0.990	1.001	0.998	1.015	1.002	1.010	1.000	1.003
Larne	110	0.963	0.965	0.965	0.964	0.967	0.964	0.961	0.970	0.964	0.971	0.969	0.980	0.966	0.978	0.965	0.978	0.974	0.990	0.980	1.004	0.982	0.997	0.979	0.990
Limavady	110	0.967	0.960	0.968	0.955	0.972	0.957	0.958	0.961	0.959	0.967	0.974	0.986	0.960	0.982	0.959	0.980	0.972	0.993	0.978	1.008	0.980	1.000	0.979	0.994
Lisburn	110	0.985	0.980	0.986	0.979	0.988	0.980	0.980	0.984	0.983	0.984	0.987	0.992	0.983	0.990	0.983	0.989	0.991	1.001	0.998	1.015	1.001	1.010	0.999	1.003
Lisaghmore	110	0.955	0.953	0.955	0.947	0.964	0.954	0.952	0.958	0.952	0.966	0.971	0.990	0.955	0.985	0.953	0.982	0.965	0.995	0.969	1.007	0.969	0.999	0.967	0.992
Loguestown	110	0.979	0.969	0.980	0.965	0.981	0.964	0.966	0.967	0.967	0.971	0.980	0.989	0.967	0.985	0.967	0.983	0.979	0.996	0.986	1.012	0.988	1.005	0.987	0.998
Magherafelt	275	0.967	0.967	0.969	0.964	0.972	0.966	0.965	0.971	0.967	0.974	0.974	0.985	0.968	0.983	0.968	0.982	0.976	0.993	0.982	1.007	0.984	1.000	0.982	0.993
Moyle (Ballycronan More)*	275	0.965	0.965	0.967	0.964	0.969	0.965	0.962	0.970	0.966	0.971	0.971	0.981	0.967	0.979	0.966	0.978	0.974	0.990	0.980	1.005	0.983	0.998	0.980	0.990
Newtownards	110	0.988	0.981	0.989	0.980	0.992	0.981	0.983	0.985	0.986	0.986	0.989	0.993	0.984	0.991	0.986	0.991	0.993	1.003	1.002	1.018	1.005	1.012	1.004	1.005
Newry	110	1.000	0.992	1.000	0.991	1.002	0.991	0.994	0.993	0.996	0.994	0.998	1.000	0.994	0.998	0.995	0.997	1.003	1.008	1.010	1.023	1.014	1.018	1.013	1.012
Omagh	110	0.979	0.965	0.980	0.963	0.984	0.966	0.970	0.967	0.970	0.971	0.981	0.985	0.966	0.979	0.965	0.976	0.977	0.989	0.973	0.992	0.977	0.988	0.976	0.981
Rathgael	110	0.990	0.983	0.992	0.982	0.995	0.983	0.985	0.987	0.988	0.987	0.991	0.994	0.986	0.993	0.988	0.992	0.996	1.004	1.004	1.020	1.009	1.014	1.007	1.007
Rosebank	110	0.983	0.979	0.985	0.977	0.987	0.979	0.979	0.982	0.982	0.983	0.986	0.991	0.981	0.989	0.982	0.989	0.989	1.000	0.997	1.014	1.000	1.009	0.999	1.002
Slieve Kirk	110																			0.964	1.000	0.964	0.992	0.963	0.985
Slieve Kirk T-Off	110																			0.968	1.003	0.968	0.996	0.967	0.989
Springtown	110																			0.972	1.009	0.971	1.001	0.970	0.994
Strabane	110	0.960	0.956	0.961	0.950	0.969	0.956	0.956	0.960	0.956	0.967	0.973	0.988	0.957	0.983	0.955	0.980	0.968	0.993	0.970	1.003	0.970	0.996	0.989	
Tandragee	110	0.984	0.982	0.985	0.980	0.987	0.981	0.981	0.984	0.984	0.986	0.986	0.992	0.983	0.991	0.983	0.990	0.990	1.000	0.996	1.012	0.999	1.008	0.998	1.002