

NORTHERN IRELAND TRANSMISSION LOSS ADJUSTMENT FACTORS 2018-19

Transmission Station	Bus Voltage kV	Station & Voltage	Month																							
			October 2018		November 2018		December 2018		January 2019		February 2019		March 2019		April 2019		May 2019		June 2019		July 2019		August 2019		September 2019	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Aghyoule	110	Aghyoule 110kV	0.985	0.978	0.989	0.980	0.986	0.979	0.990	0.983	0.990	0.984	0.987	0.981	0.985	0.982	0.980	0.976	0.977	0.973	0.979	0.973	0.979	0.975	0.981	0.977
Antrim	110	Antrim 110kV	1.000	0.998	1.002	1.000	0.999	0.998	1.002	1.003	1.003	1.003	1.001	1.001	1.000	1.003	0.996	0.998	0.992	0.993	0.994	0.995	0.994	0.997	0.996	0.998
Ballylumford	110	Ballylumford 110kV	0.996	0.995	0.998	0.997	0.996	0.996	0.998	1.000	0.999	1.001	0.999	1.001	0.996	1.000	0.991	0.994	0.988	0.990	0.990	0.991	0.989	0.992	0.990	0.993
Ballylumford	275	Ballylumford 275kV	0.999	0.998	1.001	1.000	0.999	0.999	1.001	1.003	1.002	1.004	1.001	1.002	0.999	1.003	0.995	0.998	0.991	0.993	0.994	0.995	0.993	0.996	0.994	0.997
Ballymena	110	Ballymena 110kV	1.000	0.998	1.003	1.000	1.000	0.999	1.003	1.003	1.004	1.004	1.002	1.002	1.001	1.004	0.997	0.998	0.993	0.994	0.995	0.995	0.995	0.997	0.996	0.998
Banbridge	110	Banbridge 110kV	1.006	1.003	1.008	1.005	1.006	1.004	1.009	1.008	1.009	1.008	1.008	1.007	1.007	1.008	1.004	1.004	1.000	0.999	1.002	1.000	1.002	1.002	1.003	1.003
Ballyvallyagh	110	Ballyvallyagh 110kV	0.998	0.997	1.000	0.999	0.998	0.997	1.001	1.002	1.002	1.003	1.001	1.002	0.999	1.002	0.994	0.996	0.990	0.992	0.993	0.993	0.992	0.994	0.993	0.996
Ballynahinch	110	Ballynahinch 110kV	1.010	1.007	1.013	1.009	1.011	1.008	1.014	1.013	1.015	1.013	1.012	1.011	1.011	1.013	1.007	1.008	1.002	1.002	1.005	1.004	1.004	1.005	1.005	1.007
BELN1A	110	BELN1A 110kV	1.004	1.002	1.007	1.004	1.004	1.003	1.007	1.008	1.008	1.008	1.006	1.007	1.004	1.008	1.000	1.002	0.996	0.998	0.999	0.999	0.998	1.000	0.999	1.002
Carmoney	110	Carmoney 110kV	1.003	1.001	1.006	1.004	1.004	1.002	1.007	1.007	1.008	1.008	1.006	1.006	1.004	1.007	1.000	1.001	0.996	0.996	0.998	0.998	0.997	0.999	0.998	1.001
Castlereagh	110	Castlereagh 110kV	1.006	1.003	1.008	1.005	1.006	1.004	1.009	1.008	1.009	1.009	1.008	1.007	1.006	1.009	1.003	1.004	0.998	0.999	1.001	1.000	1.000	1.001	1.001	1.003
Castlereagh	275	Castlereagh 275kV	1.002	1.000	1.005	1.002	1.002	1.001	1.005	1.005	1.006	1.006	1.004	1.004	1.003	1.006	0.999	1.001	0.995	0.996	0.998	0.997	0.997	0.999	0.998	1.000
Belfast Central	110	Belfast Central 110kV	1.006	1.003	1.009	1.006	1.006	1.005	1.009	1.009	1.010	1.010	1.008	1.008	1.007	1.009	1.003	1.004	0.999	0.999	1.001	1.001	1.001	1.002	1.002	1.004
Coleraine	110	Coleraine 110kV	0.988	0.983	0.992	0.986	0.989	0.985	0.994	0.990	0.993	0.990	0.990	0.988	0.989	0.990	0.983	0.983	0.981	0.981	0.984	0.982	0.987	0.986	0.988	0.988
Coolkeeragh	110	Coolkeeragh 110kV	0.987	0.984	0.989	0.986	0.988	0.985	0.992	0.990	0.991	0.990	0.990	0.988	0.991	0.991	0.984	0.984	0.984	0.988	0.986	0.992	0.991	0.992	0.992	0.992
Coolkeeragh	275	Coolkeeragh 275kV	0.990	0.988	0.992	0.990	0.991	0.989	0.994	0.994	0.994	0.994	0.994	0.993	0.992	0.994	0.995	0.987	0.988	0.987	0.987	0.990	0.989	0.994	0.994	0.994
Creagh	110	Creagh 110kV	1.001	0.998	1.003	1.000	1.001	0.999	1.003	1.003	1.004	1.004	1.002	1.002	1.002	1.004	0.997	0.998	0.994	0.994	0.996	0.995	0.996	0.997	0.997	0.999
Cregagh	110	Cregagh 110kV	1.006	1.003	1.009	1.006	1.006	1.004	1.009	1.009	1.010	1.010	1.008	1.008	1.007	1.009	1.003	1.004	0.999	0.999	1.001	1.001	1.001	1.002	1.002	1.004
Donegal	110	Donegal 110kV	1.004	1.002	1.006	1.004	1.004	1.003	1.007	1.007	1.007	1.007	1.006	1.006	1.004	1.007	1.000	1.002	0.996	0.997	0.999	0.999	0.998	1.000	0.999	1.002
Drumnakelly	110	Drumnakelly 110kV	1.003	1.001	1.006	1.003	1.004	1.002	1.006	1.006	1.007	1.006	1.005	1.005	1.005	1.006	1.001	1.002	0.998	0.997	1.000	0.998	1.000	1.000	1.001	1.001
Dungannon	110	Dungannon 110kV	0.998	0.995	1.001	0.997	0.998	0.996	1.001	1.000	1.001	1.001	1.000	0.999	1.000	1.001	0.996	0.996	0.992	0.991	0.994	0.993	0.995	0.994	0.996	0.996
Eden	110	Eden 110kV	1.001	0.999	1.003	1.001	1.001	1.000	1.004	1.005	1.005	1.006	1.004	1.005	1.001	1.004	0.997	0.999	0.993	0.994	0.995	0.996	0.994	0.996	0.995	0.998
Enniskillen	110	Enniskillen 110kV	0.989	0.982	0.992	0.985	0.990	0.984	0.993	0.988	0.993	0.988	0.991	0.985	0.989	0.987	0.985	0.981	0.982	0.978	0.984	0.978	0.984	0.980	0.985	0.982
Finaghy	110	Finaghy 110kV	1.003	1.001	1.006	1.004	1.003	1.002	1.006	1.007	1.007	1.008	1.005	1.006	1.004	1.007	1.000	1.002	0.996	0.997	0.998	0.998	0.997	0.999	0.998	1.001
Glengormley	110	Glengormley 110kV	1.002	0.999	1.004	1.001	1.002	1.000	1.004	1.004	1.005	1.005	1.003	1.003	1.003	1.005	0.998	1.000	0.994	0.995	0.997	0.996	0.997	0.998	0.998	1.000
Hannahstown	110	Hannahstown 110kV	1.003	1.001	1.005	1.003	1.003	1.002	1.006	1.007	1.007	1.007	1.005	1.006	1.003	1.007	0.999	1.002	0.995	0.997	0.998	0.998	0.997	0.999	0.998	1.001
Hannahstown	275	Hannahstown 275kV	1.002	1.000	1.004	1.002	1.002	1.001	1.004	1.005	1.005	1.006	1.004	1.004	1.002	1.005	0.998	1.000	0.994	0.996	0.997	0.997	0.996	0.998	0.997	1.000
Kells	110	Kells 110kV	0.999	0.997	1.001	0.999	0.998	0.998	1.001	1.002	1.001	1.002	1.000	1.001	1.000	1.003	0.995	0.997	0.991	0.993	0.994	0.994	0.994	0.996	0.995	0.997
Kells	275	Kells 275kV	0.999	0.997	1.001	0.999	0.999	0.998	1.001	1.002	1.002	1.003	1.001	1.001	1.000	1.003	0.996	0.998	0.992	0.993	0.995	0.995	0.995	0.996	0.996	0.998
Killymallaght	110	Killymallaght 110kV	0.985	0.981	0.987	0.983	0.985	0.982	0.989	0.987	0.989	0.987	0.987	0.985	0.988	0.987	0.982	0.980	0.981	0.980	0.985	0.981	0.988	0.985	0.988	0.986
Kilroot	275	Kilroot 275kV	0.999	0.997	1.001	0.999	0.999	0.998	1.001	1.002	1.002	1.002	1.000	1.001	1.001	1.003	0.997	0.998	0.993	0.993	0.995	0.995	0.996	0.997	0.996	0.998
Knock	110	Knock 110kV	1.007	1.004	1.009	1.006	1.007	1.005	1.010	1.009	1.010	1.010	1.008	1.008	1.007	1.010	1.003	1.005	0.999	1.000	1.002	1.001	1.001	1.002	1.002	1.004
Larne	110	Larne 110kV	0.999	0.997	1.001	0.999	0.999	0.998	1.002	1.002	1.002	1.003	1.001	1.002	0.999	1.002	0.995	0.997	0.991	0.992	0.993	0.994	0.993	0.995	0.994	0.997
Limavady	110	Limavady 110kV	0.988	0.983	0.991	0.986	0.989	0.985	0.993	0.990	0.993	0.990	0.990	0.988	0.990	0.991	0.984	0.983	0.982	0.982	0.986	0.983	0.989	0.988	0.990	0.989
Lisburn	110	Lisburn 110kV	1.005	1.002	1.007	1.005	1.005	1.003	1.008	1.008	1.008	1.009	1.006	1.007	1.005	1.008	1.001	1.003	0.997	0.998	0.999	0.999	0.999	1.001	1.000	1.002
Lisaghmore	110	Lisaghmore 110kV	0.988	0.984	0.990	0.986	0.988	0.986	0.992	0.991	0.992	0.991	0.990	0.989	0.992	0.992	0.985	0.984	0.985	0.985	0.989	0.986	0.992	0.991	0.993	0.993
Loguestown	110	Loguestown 110kV	0.989	0.984	0.993	0.986	0.990	0.986	0.995	0.991	0.994	0.991	0.991	0.988	0.990	0.991	0.984	0.983	0.981	0.982	0.985	0.983	0.987	0.987	0.989	0.989
Magherafelt	275	Magherafelt 275kV	0.998	0.996	1.000	0.998	0.998	0.997	1.001	1.001	1.001	1.002	1.000	1.000	1.000	1.002	0.995	0.996	0.992	0.993	0.995	0.994	0.995	0.996	0.996	0.997
Magherakeel	110	Magherakeel 110kV	0.978	0.973	0.980	0.975	0.978	0.974	0.981	0.978	0.981	0.978	0.979	0.976	0.978	0.977	0.973	0.971	0.971	0.969	0.973	0.969	0.974	0.971	0.975	0.973
Moyle (Ballycronan More)		Moyle (Ballycronan More) kV	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Moyle (Auchencrosh)	275	Auchencrosh 275kV	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976	0.976
Newtownards	110	Newtownards 110kV	1.008	1.005	1.011	1.007	1.008	1.006	1.011	1.011	1.012	1.012	1.010	1.009	1.009	1.011	1.005	1.006	1.000	1.001	1.003	1.002	1.002	1.003	1.003	1.005
Newry	110	Newry 110kV	1.009	1.005	1.013	1.008	1.010	1.007	1.013	1.011	1.014	1.012	1.012	1.010	1.011	1.011	1.007	1.007	1.003	1.002	1.005	1.003	1.005	1.004	1.006	1.006
Omagh	110	Omagh 110kV	0.988	0.983	0.990																					

Market Participants	Northern Inland Connected Loss Adjustment Factors Tables	March 2018												April 2018												May 2018												June 2018												August 2018												September 2018											
		October 2018				November 2018				December 2018				January 2019				February 2019				March 2019				April 2019				May 2019				June 2019				August 2019				September 2019																															
		06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00	06:00-07:00	07:00-08:00	08:00-09:00	22:00-23:00																																
M Transmission Connected Generation Station		[Grid of CLAF values for M Transmission Connected Generation Station]																																																																							
N Distribution Connected Generation Station		[Grid of CLAF values for N Distribution Connected Generation Station]																																																																							

Calculation of CLAF using CLAF Deflection Table:

CLAF will be calculated for each Trading Period in the day, for all days in the Year for every LHS, based on TDAF and CLAF values. In any settlement day, there are 5 possible CLAF Deflection periods. The CLAF Deflection Table is used to adjust the following combinations:

- TDAF
 - Day-time is from 7:00 A.m. to 10:00 A.m. on summer and winter.
 - Night period cover the remaining hours.
- CLAF
 - Day-time is from 8:00 A.m. to 11:00 A.m. on summer and winter.
 - Night period cover the remaining hours.

The CLAF Inflexion Table is configurable to allow the transition time to be amended or aligned in the future.

Inflexion based CLAF Calculation:
 CLAFs = TDAF (night) * CLAF (night)
 CLAFs = TDAF (day) * CLAF (day)
 CLAFs = TDAF (night) * CLAF (day)
 CLAFs = TDAF (day) * CLAF (night)