Approved Uninstructed Imbalance Parameters

For Calendar Year 2021

EIRGRID SONI

This Uninstructed Imbalance Parameter Proposal, for calendar year 2021, is being submitted by EirGrid and SONI, in their roles as the Transmission System Operators (TSOs) for Ireland and Northern Ireland, to the Commission for Regulation of Utilities (CRU) & the Utility Regulator for Northern Ireland (UR), collectively known as the Regulatory Authorities (RAs).

In accordance with Trading and Settlement Code F.9.1.2:

F.9.1.2 If requested by the Regulatory Authorities, the System Operators shall report to the Regulatory Authorities at least four months before the start of the Year, proposing values for the following parameters to be used in the calculation of Uninstructed Imbalances for that Year:

(a) The Engineering Tolerance (TOLENG) (where $0 \leq TOLENG \leq 1$);

(b) The MW Tolerance (TOLMWt) (where $0 \leq TOLMWt$) for each Trading Day, t;

(c) The System per Unit Regulation Factor (FUREG);

(d) The Discount for Over Generation Factor (FDOGuγ) for each Generator Unit, u, in each Imbalance Settlement Period, γ, such that $0 \leq FDOGu\gamma \leq 1$; and

(e) The Premium for Under Generation Factor (FPUGuγ) for each Generator Unit, u, in each Imbalance Settlement Period, γ, such that $0 \leq FPUGu\gamma \leq 1$.

Uninstructed Imbalances apply in the Single Electricity Market (SEM) when the Actual Output of a Generator Unit deviates from its Dispatch Quantity in a Trading Period.

The proposed values for the parameters used in the calculation of Uninstructed Imbalances for the calendar year 2021 are set out in the table below:

Parameter	**SEM Variable/Term**	**Proposed Value**
Engineering Tolerance, TOLENG	TOLENG	0.01
MW Tolerance for each Trading Day, t, TOLMWt	TOLMW	1
System per Unit Regulation Factor, FUREG	FUREG	0.04
Discount for Over Generation Factor for each Generator Unit, u, except for Interconnector Error Units, FDOGuγ	FDOG	0.2
Discount for Over Generation Factor for each Interconnector Error Unit, u, FDOGuγ	FDOG	0
Premium for Under Generation Factor for each Generator Unit, u, except for Interconnector Error Units, FPUGuγ	FPUG	0.2
Premium for Under Generation Factor for each Interconnector Error Unit, u, FPUGuγ	FPUG	0

In proposing these parameters, the TSOs have considered the effectiveness of the Uninstructed Imbalance parameters in 2019/2020. The TSOs have also reviewed forthcoming changes in 2021, such as new technologies which will connect in the upcoming calendar year. With this in mind, the TSOs believe that the current parameters will be effective at both providing adequate economic signals, and with facilitating imminent change. There is currently no evidence that a change to the parameter values is required for 2021.