

**Grid Code
Modification Recommendation Form**



Title of Recommended Proposal:

MPID 320 Non-Priority Dispatch of Renewables

Date:	27/06/2024
Recommended at GCRP Meeting No.:	The modification was presented at the Ireland GCRP Meeting dated 20 March 2024.
Grid Code Version:	13
Grid Code Section(s) Impacted by Recommended Proposal:	<ul style="list-style-type: none">• Definition – Available Active Power• SDC1.4.4.5 Commercial Offer Data (a)• SDC1.4.4.6 Physical Notifications and Interconnector Schedule Quantities (a)• SDC1.4.4.6 Physical Notifications and Interconnector Schedule Quantities (c)• SDC1.4.7.7 a)

The Reason for the Recommended Modification:

There are a number of areas within scheduling and dispatch processes that require improvement to enable SONI and EirGrid to meet Regulation (EU) 2019/943 Clean Energy for all Europeans Package (CEP) mandates and support the TSOs in achieving Ireland and Northern Ireland’s renewables targets. To enhance and improve the technology and capability of the scheduling and dispatch processes, SONI and EirGrid have established the ‘Scheduling and Dispatch Programme’ (SDP), which anticipates changes to codes, licences, SEM Committee decisions and other documents published by EirGrid, SONI and SEMO. One of the initiatives under the SDP is SDP_01- Operation of Non-Priority Dispatch of Renewables (NPDRs).

The SEM Committee published a proposed decision on the treatment of new renewables, SEM-21-027, based on parts of Articles 12, ‘Dispatching of generation and demand response’, and 13, ‘Redispatching’, of the CEP. These articles set out new rules with respect to the treatment of renewable generators in energy markets, including requirements that TSOs provide for the inclusion of certain renewable generators in energy markets without Priority Dispatch.

Following consultation, the SEM Committee published SEM-21-027, 'Proposed Decision on Treatment of New Renewable Units in the SEM'. This proposed decision stated that controllable, non-dispatchable generators without priority dispatch should be treated in the balancing market like dispatchable units for energy balancing ('dispatch') and like other controllable, non-dispatchable renewable generators for curtailment ('redispatch'). Based on further conversations between the TSOs and SEMO and the Regulatory Authorities it was agreed that for an interim implementation it would be acceptable to continue the pro-rata constraint of all controllable, non-dispatchable renewable generators (with or without priority dispatch) also.

Controllable, non-dispatchable generators without priority dispatch (a.k.a. Non-Priority Dispatch Renewables, or NPDRs) are referred to as Category 2 in this proposed decision. NPDRs are to be treated on an economic basis in a similar manner to dispatchable generators for 'dispatch' (i.e. energy balancing), including:

- Submission of Commercial Offer Data,
- Submission of Technical Offer Data, and
- Submission of Physical Notifications reflective of ex-ante position.

The purpose of this modification proposal, under SDP_01, is to capture the impact of this decision on the Grid Code and propose changes to relevant Grid Code clauses and definitions to support the operation of renewables without priority dispatch. The proposed modification has been identified and categorised as Low Impact, which under the SDP is defined as needing few changes, changes that are not very material or changes that are of a low level of complexity.

History of Progression through GCRPs, Working Group and/or Consultation:

On the 20 March 2024 this modification proposal was presented to the SONI and EirGrid Joint Grid Code Review Panel, and voted on at the EirGrid GCRP.

Summary Note of any Objections to the Recommended Change from GCRP Members or Consultation Responses:

No objections were raised by the GCRP members.

Outcome of any GCRP Meeting Actions Relating to the Recommended Modification:

No actions were raised at the meeting, but SONI are required to complete a public consultation before the proposed modification can be submitted for recommendation to the Regulating Authorities. The public consultation closed on the 24 May 2024 with no feedback received.

A Table Outlining the Proposed Changes:

Clause	Context	Red Line Version Text <i>Deleted text in strike-through red font and new text highlighted in blue font</i>	Green Line Version Text
Definition – Available Active Power	NPDRs will be subject to energy balancing actions as per SEMC decision.	<p>The amount of Active Power that the Controllable PPM could produce based on current resource conditions.</p> <p>For Controllable PPMs with the exception of ESPSs, the Available Active Power shall only differ from the actual Active Power if the Controllable PPM has been curtailed, constrained, or is operating in a restrictive Frequency Response mode, <i>or specifically in the case of Controllable PPMs without Priority Dispatch, where instructed in accordance with Merit Order.</i></p>	<p>The amount of Active Power that the Controllable PPM could produce based on current resource conditions.</p> <p>For Controllable PPMs with the exception of ESPSs, the Available Active Power shall only differ from the actual Active Power if the Controllable PPM has been curtailed, constrained, is operating in a restrictive Frequency Response mode, or specifically in the case of Controllable PPMs without Priority Dispatch, where instructed in accordance with Merit Order.</p>
SDC1.4.4.5 Commercial Offer Data (a)	NPDRs will be required to submit Commercial Offer Data as per SEMC decision.	<p>(a) Each:</p> <ul style="list-style-type: none"> • Generator; • Energy Storage Generator; • Pumped Storage Generator; • Demand Side Unit Operator; and • Generator Aggregator, <p>Shall in respect of:</p> <p>Each of its CDGUs; <i>Each of its Controllable PPMs without Priority Dispatch;</i> Each of its Energy Storage Power Station Demand; Each of its Pumped Storage Plant Demand; Each of its Demand Side Units; and Its Aggregated Generating Units,</p>	<p>(a) Each:</p> <ul style="list-style-type: none"> • Generator; • Energy Storage Generator; • Pumped Storage Generator; • Demand Side Unit Operator; and • Generator Aggregator, <p>Shall in respect of:</p> <p>Each of its CDGUs; Each of its Controllable PPMs without Priority Dispatch; Each of its Energy Storage Power Station Demand; Each of its Pumped Storage Plant Demand; Each of its Demand Side Units; and Its Aggregated Generating Units,</p>

		submit to the TSO , either directly or by means of an Intermediary on its behalf (if applicable), Commercial Offer Data in accordance with the TSC .	submit to the TSO , either directly or by means of an Intermediary on its behalf (if applicable), Commercial Offer Data in accordance with the TSC .
SDC1.4.4.6 Physical Notifications and Interconnector Schedule Quantities (a)	NPDRs will be required to submit Physical Notifications as per SEMC decision.	<p>(a) Each:</p> <ul style="list-style-type: none"> • Generator, • Pumped Storage Generator, • Demand Side Unit Operator, and • Generator Aggregator. <p>Shall in respect of: Each of its CDGUs; Each of its Controllable PPMs without Priority Dispatch; Each of its Pumped Storage Plant Demand; Each of its Demand Side Units; and Its Aggregated Generating Units, submit to the TSO, either directly or by means of an Intermediary on its behalf (if applicable), Physical Notifications by Gate Closure 1 for the corresponding Trading Days in accordance with the TSC. Physical Notifications shall be technically feasible. Users shall ensure that the accuracy of Physical Notifications is commensurate with Good Industry Practice.</p>	<p>(a) Each:</p> <ul style="list-style-type: none"> • Generator, • Pumped Storage Generator, • Demand Side Unit Operator, and • Generator Aggregator. <p>Shall in respect of: Each of its CDGUs; Each of its Controllable PPMs without Priority Dispatch; Each of its Pumped Storage Plant Demand; Each of its Demand Side Units; and Its Aggregated Generating Units, submit to the TSO, either directly or by means of an Intermediary on its behalf (if applicable), Physical Notifications by Gate Closure 1 for the corresponding Trading Days in accordance with the TSC. Physical Notifications shall be technically feasible. Users shall ensure that the accuracy of Physical Notifications is commensurate with Good Industry Practice.</p>
SDC1.4.4.6 Physical Notifications and Interconnector Schedule Quantities (c)	Controllable PPMs with Priority Dispatch are not required to submit Physical Notifications, but may choose to.	(c) Each Generator may, in respect of their Controllable PPM with Priority Dispatch , submit Physical Notifications in accordance with the provisions of Error! Reference source not found.(a) and Error! Reference source not found.	(c) Each Generator may, in respect of their Controllable PPM with Priority Dispatch , submit Physical Notifications in accordance with the provisions of Error! Reference source not found.(a) and Error! Reference source not found.

<p>SDC1.4.7.7 a)</p>	<p>Controllable PPMs will remain energised unless on outage, including at 0MW output.</p>	<p>a) The Synchronising and De-Synchronising times (and, in the case of Pumped Storage Plant Demand and Energy Storage Power Station Demand, and Controllable PPMs, the relevant effective time) shown in the Indicative Operations Schedule are indicative only and it should be borne in mind by Users that the Dispatch Instructions or Active Power Control Set-points could reflect more or different CDGU, Aggregated Generating Unit and/or Controllable PPM, Pumped Storage Plant Demand, Energy Storage Power Station Demand and/or Aggregate Generating Unit Controllable PPM requirements than in the Indicative Operations Schedule. The TSO may issue Dispatch Instructions in respect of any CDGU and/or Aggregated Generating Unit, Controllable PPM, Pumped Storage Plant Demand, Energy Storage Power Station Demand or Aggregated Generating Unit, or Active Power Control Set-points in respect of any Controllable PPM, which has not declared an Availability or Demand Side Unit MW Availability of 0 MW in an Availability Notice. Users with CDGUs and/or Aggregated Generating Units, Controllable PPM, Pumped Storage Plant Demand or Energy Storage Power Station Demand shall ensure that their units are able to be Synchronised, or in the case of Controllable PPMs and Pumped Storage Plant Demand, used at the times Scheduled scheduled, but only if so Dispatched instructed by the TSO by issue of a Dispatch Instruction or Active Power Control Set-point. Users shall, as part of a revision to the Technical Parameters, indicate to the TSO the latest time at</p>	<p>a) The Synchronising and De-Synchronising times (and, in the case of Pumped Storage Plant Demand and Energy Storage Power Station Demand, and Controllable PPMs, the relevant effective time) shown in the Indicative Operations Schedule are indicative only and it should be borne in mind by Users that the Dispatch Instructions or Active Power Control Set-points could reflect more or different CDGU, Aggregated Generating Unit, Pumped Storage Plant Demand, Energy Storage Power Station Demand and/or Controllable PPM requirements than in the Indicative Operations Schedule. The TSO may issue Dispatch Instructions in respect of any CDGU and/or Aggregated Generating Unit, Pumped Storage Plant Demand, Energy Storage Power Station Demand, or Active Power Control Set-points in respect of any Controllable PPM, which has not declared an Availability or Demand Side Unit MW Availability of 0 MW in an Availability Notice. Users with CDGUs and/or Aggregated Generating Units, Pumped Storage Plant Demand or Energy Storage Power Station Demand shall ensure that their units are able to be Synchronised, or in the case of Controllable PPMs and Pumped Storage Plant Demand, used at the times scheduled, but only if so instructed by the TSO by issue of a Dispatch Instruction or Active Power Control Set-point. Users shall, as part of a revision to the Technical Parameters, indicate to the TSO the latest time at which a Dispatch Instruction or Active Power Control Set-point is required to meet the scheduled Synchronising time or in the case of Pumped Storage</p>
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		<p>which a Dispatch Instruction or Active Power Control Set-point is required to meet the scheduled Synchronising time or in the case of Pumped Storage Plant Demand, or Energy Storage Power Station Demand, and Controllable PPMs, the Scheduled scheduled relevant effective time.</p>	<p>Plant Demand, Energy Storage Power Station Demand and Controllable PPMs, the scheduled relevant effective time.</p>
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