Future Markets Stakeholder Engagement

Industry Workshop

Wednesday, 21 October 2026
ONLINE
10:00am - 11:05am

EirGrid SONI System Operator Northern Ireland semo Single Electricity Market Operator



October's Future Markets Workshop Agenda

Agenda at a 70 minutes 10:00-11:10 6 segment items

TIME	MINUTES	SEGMENT	SEGMENT OVERVIEW
10:00 - 10:05	5 mins	Welcome & agenda overview	
10:05 - 10:20	15 mins	Scheduling & Dispatch Programme (SDP)	• Recent Scheduling & Dispatch developments and updates • SDP-04 Rebalancing: Concept and Operational Results
10:20 - 10:25	5 mins	Long Duration Energy Storage (LDES)	• Programme Status Update
10:25 - 10:30	5 mins	Energy Market Policy (EMP)	• Programme Status Update
10:30 - 10:50	20 mins	Future Arrangements System Services (FASS)	• Programme & Readiness Update • Industry Readiness Survey Feedback
10:50 - 10:55	5 mins	Maximum Export Capacity (MEC) Sharing	• Programme Status Update
10:55 - 11:00	5 mins	Strategic Markets Programme (SMP) - EU Integration	• Recent SMP developments and programme progress • Key milestones, timelines, and upcoming activities
11:00 - 11:05	5 mins	Wrap-up & workshop close	

Scheduling & Dispatch Programme

SDP



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Scheduling & Dispatch Programme

Complete
As planned, no issues
Minor - moderate concern
Significant issue / concern

Improving
Steady
Worsening

SDP -01 Non-Priority Dispatch Renewables Status

The TSOs and RAs are working collaboratively on the progression of SDP_01 - Non-Priority Dispatch Renewables (NPDR) and acknowledge the level of industry feedback during recent workshops. The progression of SDP_01 remains dependent on a number of processes, including the outcome of the ongoing legal process relating to the interpretation of Regulation (EU) 2019/943, the development of modelling to assess potential NPDR treatment, and regulatory decisions relating to Mod_13_23 and SEM-24-044.

The TSOs and RAs have progressed work to define modelling scenarios related to the introduction of NPDR units, with the final scope yet to be agreed. A strong focus is being given to the definitions of Curtailment, Constraint and Energy Balancing (SEM-24-044), as these are a key input to the overall regulatory consideration and assessment.

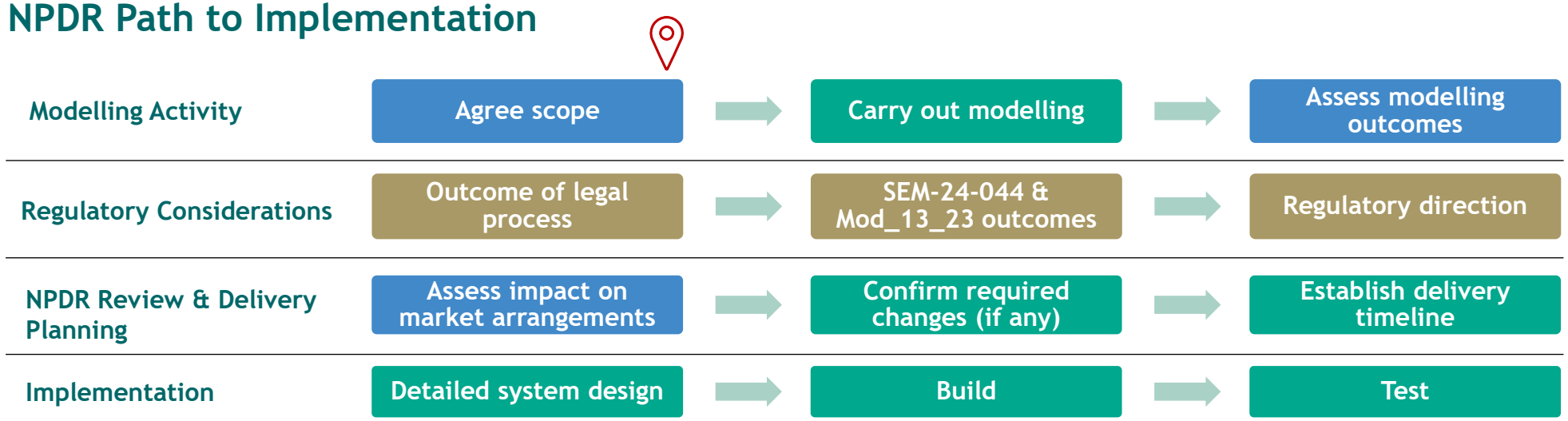
The outcome of the ongoing legal process in relation to Regulation (EU) 2019/943 is another key dependency. Depending on the final judgment, there may be implications for SEM-22-009 and the basis for its implementation via SDP_01. Therefore, it may be necessary to revisit aspects of the current NPDR solution.

The TSOs and RAs recognise the stakeholder feedback at previous workshops, and are considering how best to provide further transparency on the work underpinning NPDR. Further engagement will focus on supporting industry understanding of potential approaches.

Given the dependencies outlined above, once regulatory direction is confirmed, a further phase of delivery work will be required. This phase may include re-evaluating the current system design, determining whether changes are required and, where necessary, progressing those changes through detailed design, build and testing activities. Any delivery timelines would need to align with availability in established system release cycles. The TSOs and RAs acknowledge that this creates some uncertainty for market participants, however they will continue to work together to progress the outstanding items and will provide further updates as clarity emerges.

TSO / RA activity
TSO led activity
RA led activity

NPDR Path to Implementation



Note:
Activities shown are indicative, but represent the key milestones required to progress NPDR towards implementation

Scheduling & Dispatch Programme

SDP-04 Wind Dispatch Improvements

Rebalancing: Concept and Initial Operational Results 25/11/25 to 28/09/2026

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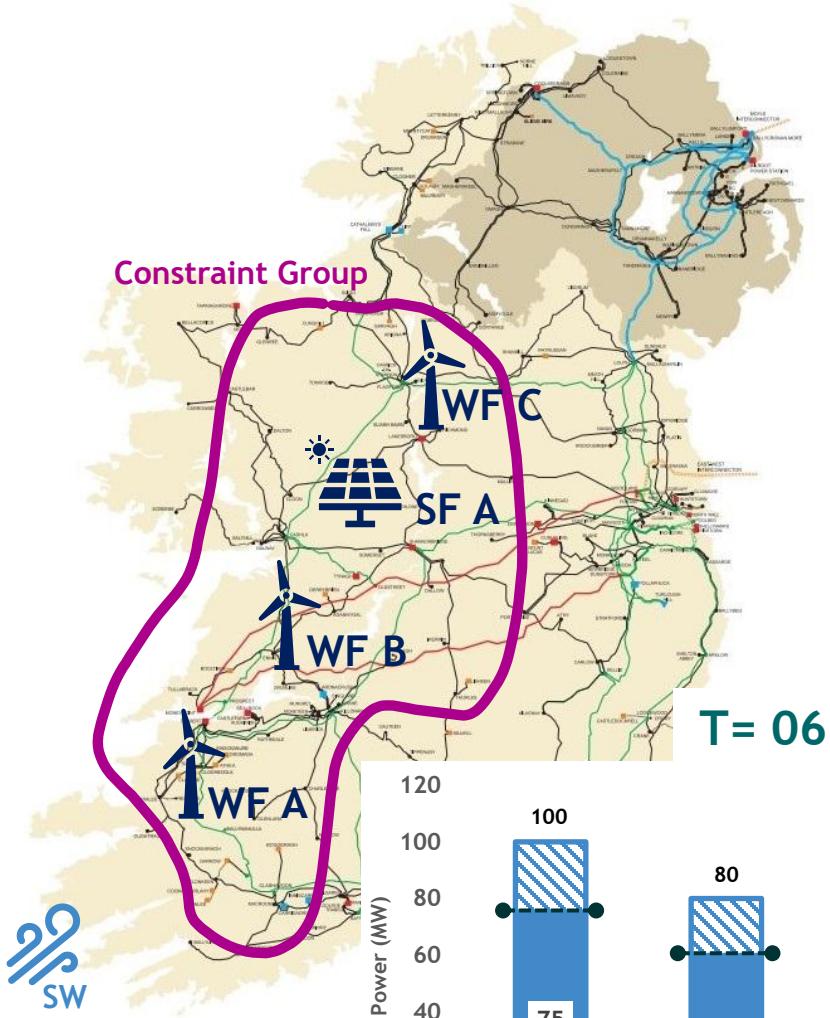
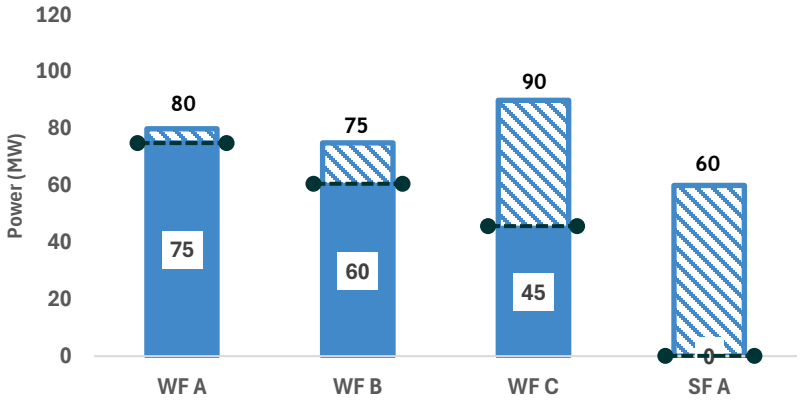
Pre SDP 04 - Need for Rebalancing



Availability changes over time, but constraint setpoints remain static - highlighting the need for **Rebalancing.**

T= 12:00



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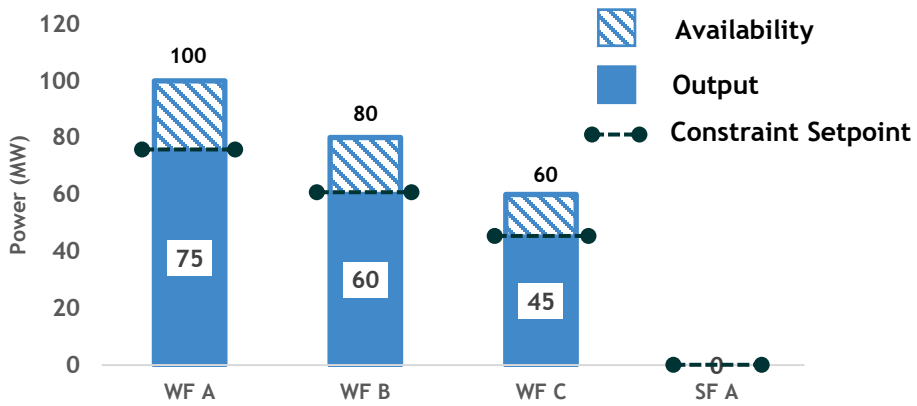
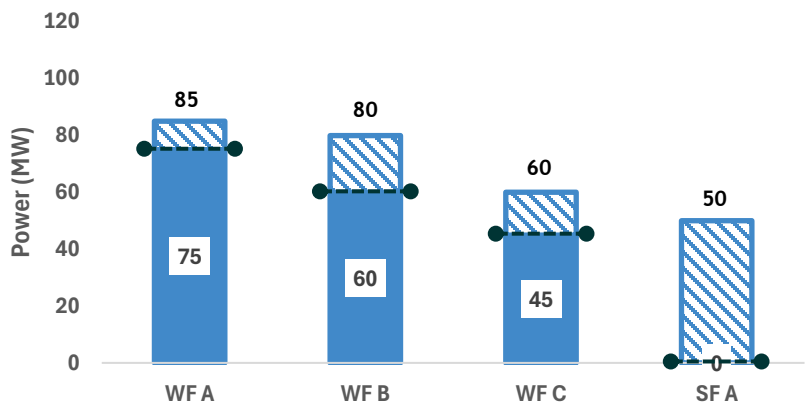


Constraint Target = 180 MW

T= 18:00



SDP 04 – What is Rebalancing?

Definition

"Rebalancing is the **adjustment of constraint or curtailment setpoints** within a group of renewable generation units to reflect each unit's current availability and ability to contribute to the group's overall constraint or curtailment target."

In simple terms:

Rebalancing is the **redistribution of constraint and curtailment allocations** among a group of renewable generation units in response to changing weather conditions and unit availabilities.

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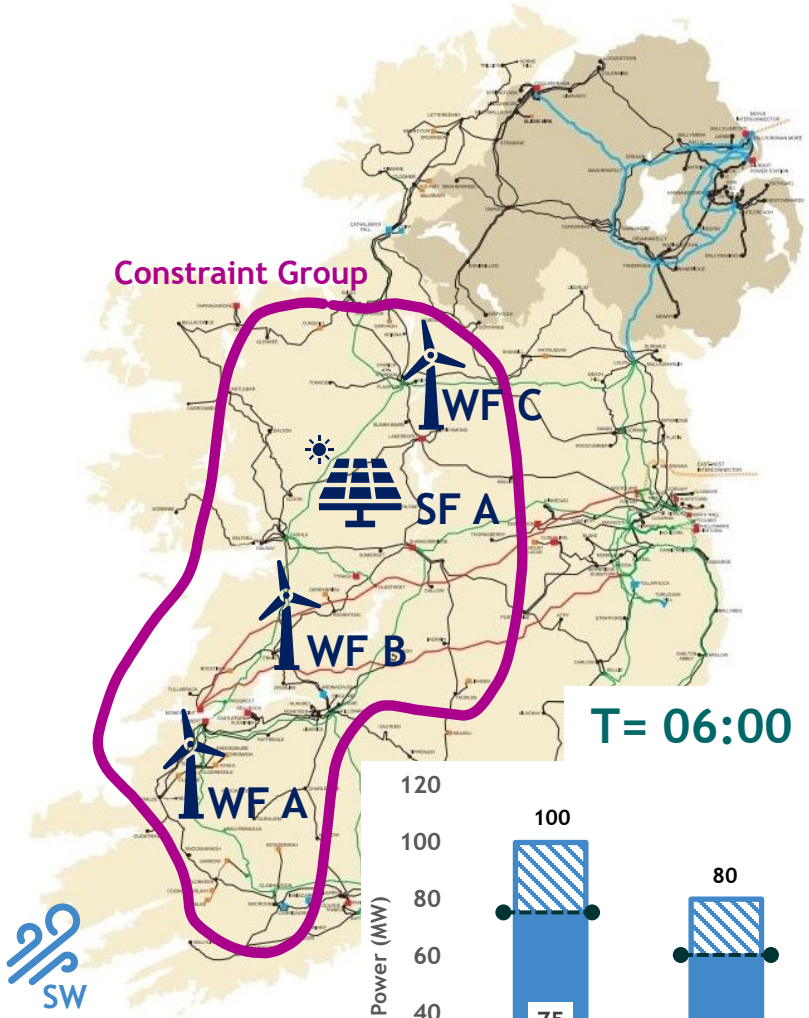
Post SDP 04 - Application of Rebalancing



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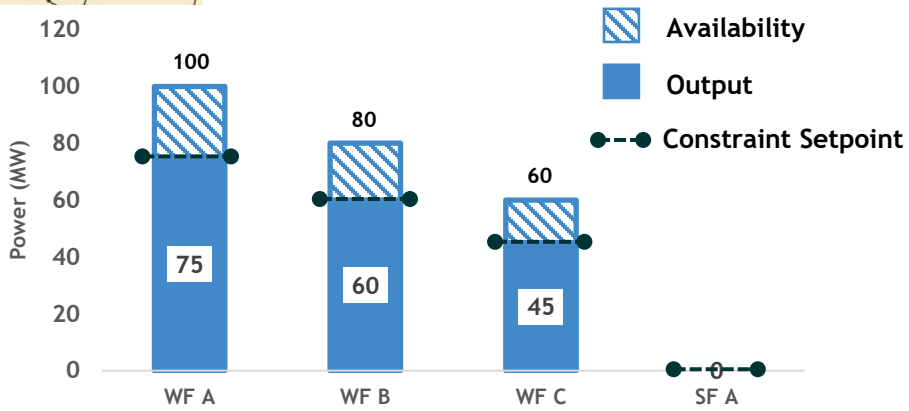

Constraint Target = 180 MW

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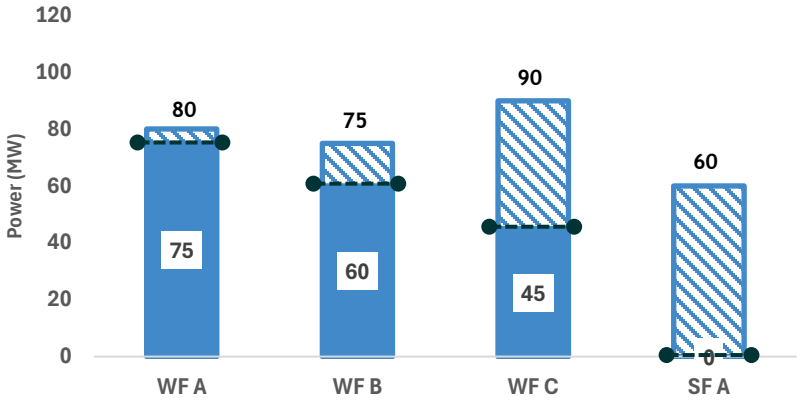

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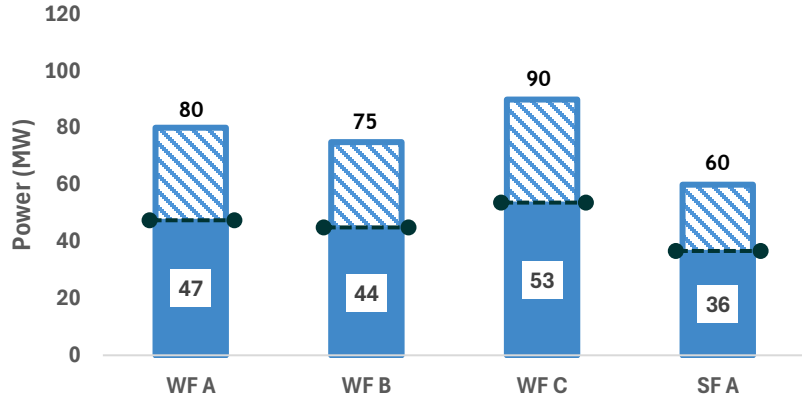


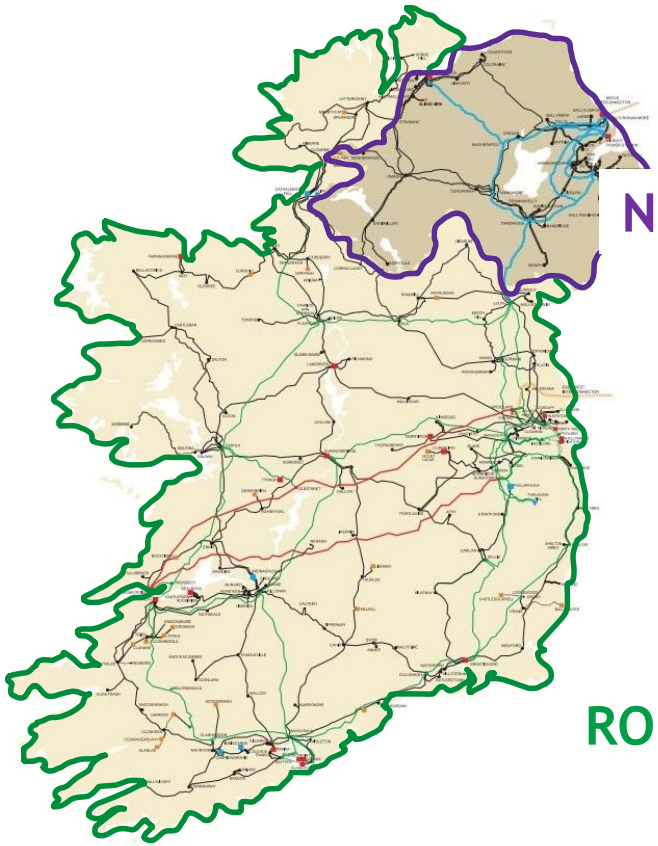
Constraint Target = 180 MW

Rebalancing is the **redistribution** of constraint and curtailment allocations among renewable generation units in response to changing weather conditions and unit availabilities.

Post SDP-04 - Rebalancing Application since SDP-04 Go-Live

26/11/2025 to 28/09/2026

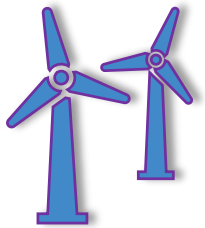
Rebalancing Actions



NI 219

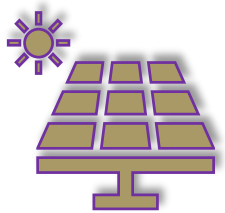
ROI 1,212

Rebalancing Volume



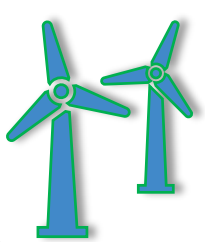
↑ ~ 8,200 MWh

↓ ~ 9,500 MWh



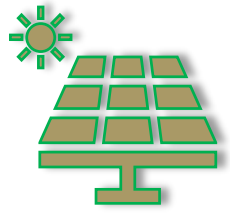
↑ ~ 800 MWh

↓ ~ 100 MWh



↑ ~ 86,200 MWh

↓ ~108,800 MWh



↑ ~ 26,000 MWh

↓ ~ 7,300 MWh

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Help shape what comes next

Your experience matters. A few minutes of your feedback will help shape stronger stakeholder engagement and better programme delivery.

01 What worked well?

02 Where could we improve?

03 What should we try next?

SCAN TO TAKE THE SURVEY

Your feedback will inform future initiatives.

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Long Duration Energy Storage

LDES



LDES Programme Update

Procurement Mechanism Consultation

Closed November 2025

Recommendation paper to CRU

Submitted to CRU on 1st July

CRU Decision on Procurement Mechanism

Due imminently

In progress

Contractual Arrangements Consultation

Publication and completion of consultation dependent on CRU decision publication and legal reviews

Preparation in progress

Recommendation and CRU decision on Contractual Arrangements

Timelines to be confirmed



Energy Market Policy

EMP



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Post-Brexit Market Arrangements



The EU-UK Summit is now scheduled for 20 November. We will monitor any relevant results.

The TSOs have been instructed by the Regulatory Authorities to investigate options for the implementation of PTRs on the SEM – GB Border and this work is in the pre-planning phase.

EU Regulation Updates

CACM 2.0

No expected dates for the new draft have been shared

FCA 2.0

Draft text and Impact Assessment continues to be delayed and we are monitoring developments closely

CRM 2.0

Decision on *'SEM-26-037 High Level Design Options for CRM 2.0'* expected by the end of the year

Engagement with RAs on *'SEM-26-056 Decision on Cross-Border Participation in the CRM'*

Developing design and baseline requirements for cross-border participation with RAs

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Electricity Network Tariff Structure Review

Consultation published

CRU published ENTSR Phase 1 Consultation: Objectives, Principles, Scope and Considerations on High-Level Tariff Design

Public webinar: 23 October at 10:00

CRU will host a public Consultation Webinar on Friday 23rd October at 10:00

EirGrid response: deadline 19 November

EirGrid is responding to the consultation (deadline 19th November) as well as providing relevant data to support CRU's analysis





EirGrid

Future Arrangements System Services

FASS



EirGrid SONI System Operator Northern Ireland

Future Arrangements System Services

As planned, no issues
Minor - moderate concern
Significant issue / concern
Improving
Steady
Worsening

FASS Summary Status

OVERALL STATUS → **The current critical path challenges remain due to unresolved critical path dependencies (e.g.: credit management and Regulation & Licensing timelines etc.). Programme readiness and vendor schedules are being reviewed as part of PIR4.0 drafting.**

Progress since last update

- Industry Business & Technical Readiness Surveys held, with good engagement and feedback.
- Non-reserves recommendations paper submitted to the RAs for SEMC consideration and decision.

Current programme focus

- Detailed engagement continues with IT vendors; detailed design activities in parallel.
- Credit management solution for secondary market ongoing.
- Detailed programme planning activities underway as part of PIR4.0 development.
- Revision of TLG, IT User Guides & Technical Specifications schedule based on PIR4.0 and survey feedback.

What happens next?

- Performance monitoring consultation paper will be published imminently.
- SSC Working Group scheduled for tomorrow 22nd.
- Publication of FASS Platform User Guide V2 - November.
- TLG 4 provisionally scheduled for 3rd December.
- Consolidated Technical FAQ to be published soon.

PATH TO AMBER Baseline programme plan based on revised delivery schedule that addresses critical path issues and allows appropriate time for readiness activities.

PATH TO GREEN Confirmation of Day 1 scope, commitment from IT vendors to work to same, and sufficient resource capacity on board.

Detailed dates remain subject to completion of the programme re-baselining exercise.

Requests and Resulting Action Mapped to PIR4.0

The TSOs have incorporated industry feedback and requests in the draft PIR4.0.

WHAT RESPONDENTS ASKED FOR	PIR 4.0 Activity/ Milestone	Details
Single integrated view of when design, rules and IT specifications become stable	PIR4.0	PIR4.0 will set out the key activities out to final design and to Go-Live, as well as indicating the provisional date for Day 1 design closure, and the submission of EirGrid's final System Service Code draft to the RAs.
Practical guidance: FASS Design Helicopter Guide, registration and qualification support	External Readiness Publications	Key guidance includes the Qualification info paper for existing units, a versioned FASS Design Helicopter Guide, Business Readiness Approach info paper, Qualification, Registration & Code Accession guides, as well as the IT Tech Artefacts releases over the coming months.
Production-like sandbox, connectivity testing, market trials with clear entry/exit criteria	Market Trials	Respective documentation, including approach, plan, and guide will be produced. PIR4.0 will indicate the target date for Market Trials, with further detail to follow.
Live training supported by reusable on-demand materials	Training	External Training Approach, Plan, Content Development and Delivery timeframe are outlined in PIR4.0.
Clarity on migration and cutover	Planning & Cutover	Readiness Criteria and Cutover Approach are outlined in PIR4.0, with further detail through PIR5.0 and via the TLG in due course.
Settlement, credit, reporting and regulatory dependencies included in the end-to-end picture	Multiple Workstreams	Credit Management consultation and decision, settlement technical specifications, and Code/licensing consultations & decisions are all set out in PIR4.0. We will provide more detail on the progression of these via the FM industry workshops.

Hybrid Co-located Sites

Maximum Export Capacity (MEC) Sharing





EirGrid

Hybrids Co-Located Sites

MEC Sharing

The implementation of MEC Sharing aims to enable Hybrid Co-Located Projects to make more efficient use of existing grid connections by allowing multiple technologies to share a single Maximum Export Capacity.

Progress since the last update

- The programme is now in Month 2 of the Implementation Roadmap, with Scoping & Design activities progressing across the workstreams.
- **Activity brought forward**: Work on the Connection Process & Agreement commenced in M1 (September 2026), ahead of its original roadmap start in M4. The Connections team is assessing how and when applications for MEC Sharing could begin to be facilitated, while ensuring that any approach remains aligned with the wider MEC Sharing arrangements being developed.

Current focus

- The first 12 months of the roadmap focus on Scoping & Design, including identifying the detailed requirements, challenges and solutions needed to implement MEC Sharing.
- In parallel, continue assessment of Integrated Hybrids and other future hybrid arrangements to better understand the technical, operational, market and regulatory requirements and dependencies before an implementation pathway can be defined.

EirGrid

Strategic Markets Programme - EU Integration

SMP



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Strategic Markets Programme - EU Integration

Overall status

Progress has been made on a number of external dependencies and associated delivery timelines. Key programme activities continue to progress, with active engagement across stakeholders to maintain alignment. Resources and finances continues to report green. SMP reporting is now structured around seven key milestones on the path to Celtic Commercial Go-Live and beyond, where each milestone represents a significant step in market and system readiness.

M1 - SDAC MNA (Uncoupled) Go-live - SDAC MNA RfC with SDAC OPSCOM formal re-validation approved. Bilateral testing with the NEMOs is underway and progressing well. Test cases for upcoming phases to be defined and drafted.

M2 - Preparation for External Testing - Focus remains on ensuring readiness of Core Hub, ICMP, MMS, CCCt and supporting environments ahead of external testing activities. Ongoing discussions regarding Celtic deployment in CCCt environment.

M3 - DACC & SDAC Technical Go-live - SDAC Market Testing preparations ongoing across systems, testing and operations teams. Workshop with LIP parties to align on testing readiness. Euphemia performance test discussions with SDAC MSD.

M4 - SIDC MNA Go-live - Updated SIDC (CT+IDA) RfCs sent to SIDC OPSCOM.

M5 - IDCC & SIDC Technical Go-live - First draft of SIDC Master Test Plan complete. Shared with the LIP and testing group for review before raising to European level.

M6 - Celtic Commercial Go-live - Outage Planning Coordination Unavailability plan development ongoing. CGMES IGM feedback from Coreso currently being evaluated. Coreso non-IT readiness continues with joint discussions to develop the process and agree on the required arrangements across the relevant RCC activities.

M7 - Post Go-live - Regular RA-TSO dedicated workshops to work through MARI Hybrid Methodology. FTR activities continue, recurring engagement with JAO to ensure tool readiness for Celtic milestones.

Key Items for Attention/Discussion

- CCCt readiness and validation activities remain a key area of focus
- Continued alignment on testing readiness across a number of projects.

Key Activities For Action Next Month

- Confirm timelines and commitments for critical external dependencies.
- SDAC MNA bilateral testing with SEMOpx.



Thank You!

Contents

01 Upcoming Workshops 2026

02 Contacting FM Programmes

03 Acronyms & Abbreviations

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Upcoming Workshops

November - December schedule

2026

3 sessions · 1 TLG · 2 Future Markets

ONLINE VENUE DATE

Nov Wed 25 Nov

Future Markets

In Person
The Alex Hotel, Dublin

Time: 10:00am - 2:00pm

Register here

DEC Thurs 03 Dec

Technical Liaison Group (TLG)

Online

Time: 2:00pm – 4:00pm

DEC Thurs 10 Dec

Future Markets

Online

Time: 9:00am - 10:15am

**Workshop start and finish times may be subject to change closer to the event.*

Email: FutureMarkets@Eirgrid.com or futurepowermarketsNI@soni.ltd.uk

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Stakeholder Engagement: Contacting Future Market Programmes

To raise an issue or query for the Future Markets Programmes:

SDP Queries
Scheduling & Dispatch Programme
SchedulingandDispatch@Eirgrid.com
SchedulingandDispatch@soni.ltd.uk

LDES Queries
Long Duration Energy storage
LDES@Eirgrid.com
LDESProgramme@soni.ltd.uk

FASS Queries
Future Arrangements for System Services
FASS@Eirgrid.com
FASSProgramme@soni.ltd.uk

SMP Queries
Strategic Markets Programme
SMP.PMO@Eirgrid.com

FM General Queries, TLG & EMP
Technical Liaison Group / Energy Market Policy
FutureMarkets@Eirgrid.com
futurepowermarketsNI@soni.ltd.uk

QTP Queries
Qualification Trial Process
SOEF@Eirgrid.com
SOEF@soni.ltd.uk

(No requirement to email the same query to both EirGrid and SONI email addresses for a relevant programme)

Acronyms at a glance

A-F

ACER	Agency for the Cooperation of Energy Regulators
CACM	Capacity Allocation and Congestion Management
CBAM	Carbon Border Adjustment Mechanism
CRM	Capacity Remuneration Mechanism
CRU	Commission for Regulation of Utilities
DCEE	Department of Climate, Energy and the Environment
DESNZ	Department for Energy Security and Net Zero
DfE	Department for the Economy
EMD	Electricity Market Design
ENTSO-E	European Network of Transmission System Operators for Electricity
ESB	Electricity Supply Board
ESO	Electricity System Operator
FASS	Future Arrangements for System Services
FCA	Forward Capacity Allocation
FM	Future Markets
FPM	Future Power Markets
FPMDA	Future Power Markets Design Authority

L-U

LDES	Long Duration Energy Storage
NESO	National Energy and System Operator
Ofgem	Office of Gas and Electricity Markets
PIR	Phased Implementation Roadmap
PTR	Physical Transmission Right
RAs	Regulatory Authorities
REMA	Review of Electricity Market Arrangements
REMIT	Regulation on Wholesale Energy Market Integrity and Transparency
RfQ	Request for Quote
SDP	Scheduling and Dispatch Programme
SEM	Single Electricity Market
SEMC	Single Electricity Market Committee
SEMO	Single Electricity Market Operator
SME	Subject Matter Expert
SMP	Strategic Markets Programme
SONI	System Operator for Northern Ireland
UR	Utility Regulator