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Future Power Markets Design Authority Update

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Future Power Markets Design Authority

The Future Power Markets team is focused on how the ambition of up to 80% renewable energy share in electricity (RES-E) will be facilitated through the market.

The team's work spans across a number of core project areas, including:

- Future Arrangements for System Services (FASS)
- Scheduling and Dispatch Programme (SDP)
- Strategic Markets Programme (SMP)

Additional workstreams include:

- Long Duration Energy Storage (LDES)
- Energy Market Policy (EMP)

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Future Arrangements for System Services

The design and implementation of Future Arrangements for System Services (FASS) includes:

"To deliver a competitive framework for the procurement of System Services, that ensures secure operation of the electricity system with higher levels of non-synchronous generation", in line with the Single Electricity Market Committee (SEMC) request

- **The implementation of a Day Ahead System Service Auction (daily auction/DASSA), Layered Procurement Framework and Fixed Term Contracts**
- **The creation of a System Services market code and updates to relevant codes and licenses.**

- The DASSA Parameters & Scalars Recommendations Paper has been submitted to the Regulatory Authorities (RAs) for consideration at the November SEMC meeting.
- A System Services Code Working Group meeting took place on 12th November discussing the updated Plain English Version (PEV) incorporating the DASSA Top-Up Mechanism. The next SS Code Working Group meeting will be scheduled following the publication of SEMC decisions on the DASSA Parameters & Scalars.
- The Transmission System Operators (TSOs) will be publishing the next iteration of the Phased Implementation Roadmap (PIR V4.0) shortly. The TSOs are currently working with the RAs to agree timelines of critical path activities in order to close PIR V4.0.
- The Non-Reserves Consultation Paper has been drafted and shared with the RAs. Engagement and review by the TSOs and RAs are ongoing. Alignment between the RAs and TSOs on the proposed direction is required to progress implementation activities.
- The TSOs are progressing the IT vendor design.
- The TSOs are going out to tender for a third party to provide credit management services for the FASS secondary market.

Scheduling and Dispatch Programme

The Scheduling and Dispatch programme aims to:

- **To enhance the scheduling and dispatch systems and processes in Ireland and Northern Ireland**
- **To bring about compliance with the Clean Energy Package (CEP) and the treatment of variable Non-Priority Dispatch Renewables (NPDR)**
- **Facilitate low/zero carbon grid technologies such as Batteries, Synchronous Condensers in support of the broader goals of renewables and System Non-Synchronous Penetration (SNSP) penetration targets.**

SDP-02 Energy Storage Power Stations (ESPS)

- SDP-02 (ESPS) system and market participant go-live was successfully delivered on the 11th (system go-live) and 12th November (market participant go-live), as planned. ESPS units are now functional in the market as 'Battery Storage' fuel type. SDP Programme is engaging with ESPS unit operators on post go-live queries and support requests. 'Overview of SDP Solution for Battery Units V2.0' document was published on 5th November.

SDP-04 Wind Dispatch Improvements (WDI)

- SDP-04 (WDI) go-live successfully delivered on 26th November, as planned.
- Regulatory Authority approval on the definition of rebalancing was received on 19th November.
- The SDP Programme published the 'Guide to Rebalancing' document on the Eirgrid, SONI and SEMO websites on 20th November. This guide is intended to provide a clear explanation of the issues addressed by the SDP-04 initiative, introduce the concept of "rebalancing", and explain the principles behind its application.

SDP-01 Non-Priority Dispatch Renewables (NPDR)

- RAs and SEMC are assessing Mod_13_23 Treatment of NPDRs and SEM-24-044 Definition of Curtailment, Constraint and Energy Balancing related to SEM-13-011. A comprehensive planning activity will be required following a decision from the RAs on Mod 13_23. The timeline will reflect the time required to progress a broad range of activities to take place before the go-live, including market participant engagement, support and readiness activity. The TSOs estimate they will need a minimum of 6 months to complete these activities to be confirmed during the planning activity.

SDP Tranche 2 Initiatives

- The TSOs and RAs are working on progressing T&SC modification Mod_01_25 related to SDP-06 Synchronous Condensers for presentation to the SEMC. The programme is assessing the delivery schedule for Tranche 2.

Strategic Markets Programme

SMP has a wide scope, a significant portion of which are changes required for Celtic Interconnector Go-Live and enabling increased flexible technology incorporating:

- **Full EU Integration:** The Celtic Interconnector, expected to commercially go live in Q1 2028, requires the SEM Markets and Operational Systems to be compatible with European standards and obligations, which includes re-coupling the day-ahead market but also new arrangements for coupled intraday markets and participation on the EU balancing platform
- **Post-Brexit Trading Arrangements:** Changes to the trading of electricity between the SEM and GB to increase market efficiency
- **Balancing Market Reform:** Changes to the balancing market to enable flexible technology.

SMP Programme Scope and Replanning Update

The programme timeline shift to 2028 has called for discussions with EU stakeholders on finalising Market Testing timelines i.e. SDAC, SIDC (Single Day Ahead Coupling, Single Intraday Coupling)

EU Integration

•There are four sub-projects under this pillar; FTRs (Financial Transmission Rights), SDAC/SIDC (Single Day Ahead Coupling/Single Intraday Coupling), Core Regional Integration and Coreso (Coordination of Electricity System Operators).
•Ongoing engagement with EU stakeholders on aspects such as Central Europe parallel run & Core Capacity Calculation Tool design and configuration.
•Core: EirGrid and RTE to discuss internally the strategy for the Celtic Core Parallel Run prior to agreement with the Core Steering Group.
•SDAC & SIDC: Detailed design is approved. Market Integration Document progress ongoing. This document includes SDAC, SIDC Auctions & Continues (XBID) market design elements and is progressing with RTE and our EU stakeholders.
•FTRs: Participants can bid in auctions for monthly or yearly products. First auction for monthly rights will be completed after the successful operation of Celtic IC – Q2/3 2028. Interested bidders will need to register with Joint Allocation Office (JAO).

Balancing Market Reform

•MARI accession is progressing. Methodology for MARI integration with SEM is being developed.
•DCU design discussions are continuing with vendors. Workshops held with TSOs, DSOs and RAs on approach.
•MNA implementation is progressing.

Post Brexit Trading Arrangements

•The EU & GB TSOs Multi-Region Loose Volume Coupling (MRLVC) Report has been discussed by the Specialised Committee on Energy(SCE) on Nov 7. TSOs have requested to publish a non- confidential report on MRLVC by end of year. The RAs will be publishing their opinions.
•The PBTA team are now delivering the plan which has been recently developed for the work.

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Additional Market Developments
Energy Market Policy

The Energy Market Policy team is responsible for the development, co-ordination and communication of positions regarding all aspects of market policy. The team works closely with key stakeholders at EU and national level to analyse the impact of key regulatory and legislative changes on SEM.

- EirGrid is a lead author of the Multi-Regional Loose Volume Coupling (MRLVC) technical Report. The Report was presented at the Specialised Committee on Energy (SCE) meeting on November 7th 2025. The SCE was set up to govern the implementation of the Trade and Cooperation Agreement (Brexit) between the EU and UK. During the November 7th meeting, ACER and the UK Regulatory Authorities presented their opinion of the TSO MRLVC Technical Report. The TSOs will publish a non-confidential version of the MRLVC Report later this year. In addition, the Regulatory Authorities will publish their opinion at a later stage.
- EirGrid has submitted further comments on the draft CACM 2.0 guideline to the Department of Climate, Energy and the Environment (DCEE) . The advocacy shared reflected the common position held by TSOs in ENTSO-E. The progress of CACM2.0 continues to be delayed. It is anticipated that development of the Regulation will go well into 2026.
- On November 17th EirGrid will represent ENTSO-E in a roundtable discussion facilitated by the Florence School of Regulation on Market Design Options for the Reintegration of the British Electricity Market. This will be attended by TSOs and Member State representatives.

Additional Market Developments
Long Duration Energy Storage

The TSO has responsibilities under Action 6 of DCEE's Electricity Policy Storage Framework (ESPF) in progressing an immediate procurement of LDES services. The TSO is currently focused on establishing a design of a procurement mechanism to procure services from LDES assets and will consult on this through two consultations; a Procurement Mechanism consultation and a Contractual Arrangements consultation.

- LDES Procurement Approach consultation closing date November 24th.
- Access the consultation here: Long Duration Energy Storage (LDES) Procurement Mechanism Consultation | EirGrid Consultation Portal
- Successful webinar held on 5th November 2025, 190+ attendees
- Questions and Answers at Webinar to be published (already circulated to webinar attendees)
- Email LDES@EirGrid.com if any queries

Upcoming Events

Future FPMDA Events and Milestones	
Indicative Date	**Event/Milestone**
11th December 2025	FPMDA Workshop – Online (MS Teams)

Glossary

Acronym	Full - Form
SDAC	Single Day Ahead Coupling
SIDC	Single Intraday Coupling
FTRs	Financial Transmission Rights
Coreso	Coordination of Electricity System Operators
CEP	Clean Energy Package
ESPS	Energy Storage Power Stations
WDI	Wind Dispatch Improvements
NPDR	Non-Priority Dispatch Renewables
SNSP	System Non-Synchronous Penetration

Workshop Preview & Early Appreciation

- **The Future Power Markets team looks forward to welcoming industry participants to the upcoming FPMDA Workshop on 11th December 2025.**
- **Your continued engagement is vital in shaping the future of our electricity markets.**
- **Thank you in advance for your participation and insights.**

What is it?

- A collaborative forum hosted by EirGrid and SONI to engage with industry stakeholders on the evolution of electricity markets and system operations.

Who is it for?

- Market participants, regulators, technical experts, and organisations impacted by upcoming changes in power market design and operations.

What will it entail?

- Updates on strategic programmes: FASS, SDP, SMP, EMP, and LDES.
- Insights into timelines, design decisions, and regulatory developments.
- Interactive Q&A via Slido for open dialogue.

What to expect?

- Clear visibility on programme drivers, scope, and impacts.
- Opportunities to ask questions, share feedback, and influence future arrangements.
- Networking with peers and programme leads.

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Séanadh: Cé go ndearnadh cúram réasúnta agus réamhchúraim chun a chruinneas a chinntiú, cuirtear an tuarascáil seo agus an fhaisnéis atá inti ar fáil gan aon bharántais ná léirithe de chineál ar bith maidir le (gan teorainn) a cáilíocht, a cruinneas ná a hiomláine. Tá an fhaisnéis go léir atá sa tuarascáil seo faoi réir athraithe gan fógra.
Ní ghlacann EirGrid (mar Oibreoir Córais Tarchurtha d'Éirinn), SONI (mar Oibreoir Córais Tarchurtha dTuaisceart Éireann) ná SEMO (mar Oibreoir Margaidh Leictreachais Aonair d'Éirinn agus dTuaisceart Éireann) aon fhreagracht as aon neamhréireachtaí, earráidí ná easnaimh sa tuarascáil seo, agus diúltaíonn siad go hiomlán, a mhéid is ceadaithe faoin dlí, aon dliteanas as aon chaillteanas nó damáiste a eascraíonn as úsáid na tuarascála seo nó as brath ar an bhfaisnéis atá inti. Tá aon ghníomhartha a dhéantar bunaithe ar an tuarascáil seo agus ar an bhfaisnéis atá inti á ndéanamh ar riosca agus rogha an úsáideora amháin, agus moltar do pháirtithe tuairim ar leith agus neamhspleách a lorg maidir leis na nithe atá clúdaithe sa tuarascáil seo.