



An Coimisiún  
um Rialáil Fóntais  
**Commission for  
Regulation of Utilities**

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# National Energy Demand Strategy Biannual Update Q1 2025

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# Glossary of Terms and Abbreviations

Abbreviation or Term	Definition or Meaning
<b>ACER</b>	EU Agency for the Cooperation of Energy Regulators
<b>CAP23</b>	Climate Action Plan 2023
<b>CAP24</b>	Climate Action Plan 2024
<b>CRM</b>	Capacity Remuneration Mechanism
<b>CRU</b>	Commission for Regulation of Utilities
<b>DECC</b>	Department of Environment, Climate and Communications
<b>DETE</b>	Department of Enterprise, Trade and Employment
<b>DFP</b>	Demand Flexibility Product
<b>DRNC</b>	Demand Response Network Code
<b>DSO</b>	Distribution System Operator
<b>EU</b>	European Union
<b>EV</b>	Electric Vehicle
<b>ENTSO-E</b>	European Network of Transmission System Operators for Electricity
<b>EPA</b>	Environmental Protection Agency
<b>ERAA</b>	European Resource Adequacy Assessment
<b>ESBN</b>	Electricity Supply Board (ESB) Networks
<b>FNA</b>	Flexibility Needs Assessment
<b>GNI</b>	Gas Networks Ireland
<b>IDA</b>	Industrial Development Agency
<b>JSOP</b>	Joint System Operator Programme
<b>LDES</b>	Long Duration Energy Storage
<b>LEU</b>	Large Energy User
<b>MO</b>	Market Operator
<b>MW</b>	Megawatt

<b>MYP</b>	Multi-Year Plan
<b>NEDS</b>	National Energy Demand Strategy
<b>PV</b>	Photovoltaic
<b>RDD</b>	Reduce Dispatch Down
<b>SCALE</b>	Smart Charging Alignment for Europe
<b>SEAI</b>	Sustainable Energy Authority of Ireland
<b>SECs</b>	Sectoral Emission Ceilings
<b>SESWG</b>	Smart Energy Services Working Group
<b>SO(s)</b>	System Operator(s)
<b>SONI</b>	Northern Ireland's Electricity Transmission System Operator
<b>ToU</b>	Time of Use
<b>TSO</b>	Transmission System Operator
<b>UR</b>	Utility Regulator for Northern Ireland
<b>V2G</b>	Vehicle to Grid

## Executive Summary

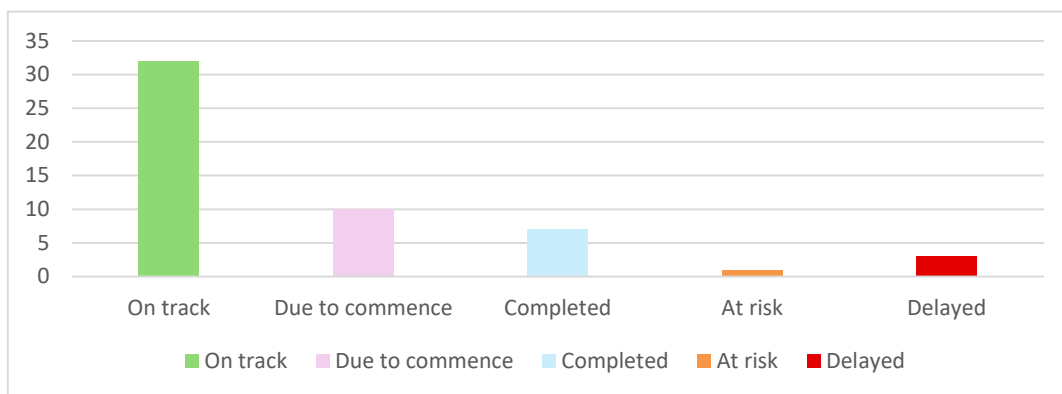
In July 2024 the Commission for Regulation of Utilities (CRU) published the National Energy Demand Strategy (NEDS) Decision with the aim to enhance Ireland's energy demand flexibility to support a more sustainable, cost-effective, and secure energy system. The NEDS identifies key actions and recommendations that have been assigned to a number of stakeholders required to support this goal, across a broad spectrum of sectors including energy, enterprise, environmental, spatial and planning policy and regulatory policy. The proposed phased approach to delivery aims to enable the broader adoption of flexible solutions by 2030, supporting Ireland's transition to reach net zero emissions by 2050.

Since the publication of the NEDS decision, the strategy has moved into the implementation phase, focused on incentivising the uptake and diversity of flexibility for all energy consumers through appropriate policies, market and standards, as well as enabling products and technologies. This publication is the first in a series of biannual updates that the CRU committed to publishing as part of the NEDS decision. It is intended to provide a summary of progress to date and status updates on NEDS actions and recommendations, relevant policy developments and set out the next steps. The CRU continues to work with DECC, DETE and other relevant stakeholders in relation to the recommendations for Government Departments, as referred to in the introduction (Section 1) of this document.

As illustrated in Figure 1, the majority of actions, 39 of the 53<sup>1</sup>, are on track or have already been completed. There are 10, primarily mid- to long-term, actions with delivery dates further into the future, that are due to commence. There is one action at risk of being delayed and three delayed actions, where mitigations have been identified, and which pose no significant risk to the overall strategy. Further details on progress for individual actions are presented in Section 4.

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<sup>1</sup> Note that a total of 51 actions were included in the NEDS Decision Paper. However, two of these actions (Actions No. 1.11 *Microgeneration operational issues*, and No. 3.2 *Enhanced quality and accessibility of network information*) are replicated for two different responsible bodies (EirGrid and ESNB). The tracking of these actions will be reported separately; hence the total here appears as 53 actions.



**Figure 1:** The number of individual NEDS actions per progress status category

# 1. Progress and associated updates

## 1.1 Introduction

The National Energy Demand Strategy (NEDS) has been developed to meet both the specific ambition set out in the Government’s Climate Action Plan 2023 (CAP23) to “*complete and publish an electricity demand side strategy and implementation plan*” (EL/23/24), and to support wider decarbonisation and security of supply objectives. This action was completed with the publication of the NEDS Decision Paper in July 2024, which included the identification of 51 actions across a number of stakeholders, with the overarching aim to enhance Ireland’s energy demand flexibility. These actions, alongside their progress status and updates, are set out in Section 4 of this document. The NEDS decision also defined three recommendations for Government Departments: to consider (1) policy measures regarding carbon emissions & Sectoral Emissions Ceilings (SECs), to support the delivery of (2) an enhanced emissions reporting framework and to (3) consider a national strategic approach for the facilitation of new Large Energy User (LEU) connections. **Following the publication of the NEDS decision, the NEDS is now in the implementation phase.** Overall support for the progression of these actions and recommendations are contained within the Government’s Climate Action Plan 2024 (CAP24), which calls for the implementation of the NEDS (EL/24/20) by all relevant bodies in order to realise the demand side strategy.

## 1.2 NEDS Implementation & Progress

In October 2024 the NEDS Implementation Group met to monitor and facilitate progress against the NEDS actions. For this NEDS Biannual Update publication, the CRU sought updates from all key organisations involved in the delivery and provided a consolidated view in the subsequent sections. In cooperation with the NEDS Implementation Group, the CRU has developed a Communications Strategy, to establish a framework that ensures the continuation of engagement post publication and allows for updates to be made to stakeholders’ communication and engagement approaches with market participants.

<b>Membership of the NEDS Implementation Group</b>	
<b>CRU (Chair)</b>	<b>DECC</b>
<b>ESBN</b>	<b>DETE</b>
<b>EirGrid</b>	<b>GNI</b>
<b>SEAI</b>	<b>IDA</b>

As stated in the NEDS decision paper, Ireland’s electricity system has limited demand flexibility, estimated to be approximately 5% of average daily demand. The CRU considers that the actions

and recommendations set out in this strategy will contribute substantially towards the demand flexibility targets set out by the Government in the CAP24, although the 2025 target is unlikely to be achieved. In the near term, within the next one to two years, explicit flexibility (Area 2) is expected to be the major contributor for demand flexibility growth, particularly through flexibility procurement exercises initiated by system operators (SOs). As a framework is implemented to support a longer-term contribution from implicit flexibility (Area 1) and connection requirements from LEUs (Area 3), these mechanisms are expected to contribute more substantially to the 2030 target and beyond.

### **1.3 ESNB Demand Flexibility Product Proposal**

In July 2024, the CRU approved the Distribution System Operator's (DSO) proposal to procure up to 500 MW of medium-term flexibility products with the main objective of addressing congestion management on the distribution network. Following on from this decision, the CRU published the second consultation on the ESNB Demand Flexibility Product Proposal, which sought stakeholder views on several topics to enable the procurement of medium-term flexibility products to address distribution network congestion. The consultation closed on 9<sup>th</sup> December 2024. This consultation forms a vital part of the NEDS, aiming to achieve the Government's flexibility targets while laying the groundwork for long-term, competitive flexibility markets in Ireland. ESNB are currently reviewing stakeholder responses to the consultation.

### **1.4 EirGrid Long Duration Energy Storage (LDES) Development**

In 2023 EirGrid, in conjunction with Northern Ireland's Electricity Transmission System Operator (TSO) SONI, carried out a Call for Evidence on the Market Procurement Options for LDES, exploring the needs case, potential barriers to investment in the current market, potential services and revenue streams. A response was published in March 2024, consolidating stakeholder feedback that will help shape future policy development. Work is underway to define possible solutions to provide the appropriate financial incentives and design a procurement mechanism to enable LDES investment. EirGrid intend to consult with stakeholders on these proposals in the near future.

### **1.5 ACER draft network code on demand response**

In June 2022, the European Commission requested the EU Agency for the Cooperation of Energy Regulators (ACER) to draft a framework guideline on demand response. This would inform the

system operators (SO's) to subsequently draft the EU network code. In May 2024, ACER received the proposal drafted on behalf of the SO's by the EU Distribution System Operators Entity (EU DSO Entity) and the European Network of Transmission System Operators (ENTSO-E). In September / October 2024 ACER consulted on the revised draft of this proposal, including a draft network code on demand response. ACER will submit the network code proposal to the European Commission by March 2025. The CRU will monitor progress on ACER proposals, to ensure alignment with NEDS once the Regulation is implemented.

## **1.6 ACER work on National Flexibility Needs Assessments (FNA)**

ACER is working on developing a methodology for the national FNAs, to be performed by all Member States, due to be published in 2025 (draft expected later this year). FNAs are intended to complement the annual European Resource Adequacy Assessment (ERAA) process. This work is being led through the Adequacy and Capacity Remuneration Mechanism (CRM) Taskforce, with CRU representatives involved.

## 2. Upcoming milestones

- Next CRU NEDS Biannual Update Q3 2025
- LEU Connection policy decision 2025
- ACER draft Demand Response Network Code (DRNC) submission to the European Commission Q1 2025

## 3. Relevant publications

- CRU National Energy Demand Strategy Decision Paper (CRU202467)
- ESNB Demand Flexibility Product Proposal – 1st Consultation (DOC-191223-HVV)
- DSO Demand Flexibility Product Procurement – CRU Decision Paper (CRU202469)
- EirGrid & SONI Response to the Call for Evidence on Long Duration Energy Storage (LDES), March 2024
- ACER Draft Network Code on Demand Response
- DIRECTIVE (EU) 2019/944 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 June 2019 on common rules for the internal market for electricity and amending Directive 2012/27/EU

## 4. NEDS Actions Update

Action No.	Action Title & Description	Responsible Body (Supporting Body)	Completion Date	Progress	Update
<b>Overall Strategy</b>					
0.1	<b>Governance arrangements for NEDS implementation</b> Develop and agree governance Terms of Reference, and maintain dialogue on enduring governance for NEDS. Hold associated meetings and engagements.	CRU (DECC)	Q4 2024	Completed	Governance Terms of Reference developed with key stakeholders. Relevant engagements ongoing.
0.2	<b>Review the impact of NEDS on carbon emissions</b> Establish a methodology and the potential emissions impact of NEDS.	CRU (EPA, SEAI, DECC)	2025	On Track	Initial work and preliminary engagements have commenced, and further discussions scheduled, to establish a methodology.
0.3	<b>NEDS progress reporting</b> Publish progress reports. Reports will assess progress in three ways: by estimating flexibility delivered to the system from NEDS initiatives, tracking progress of actions, and reviewing the impact of NEDS initiatives on carbon emissions.	CRU (SOs, EPA, SEAI, DECC)	2026	On Track	The first NEDS Biannual Update (tracking progress of NEDS actions) will be published in Q1 2025. This commences the series of Biannual Updates throughout 2025 and 2026.
0.4	<b>Develop NEDS Communications Strategy</b> Develop a communications strategy for the overall NEDS.	CRU (DECC, DETE, ESBN, EirGrid, GNI, SEAI, IDA)	Q4 2024	Completed	A NEDS Communications Strategy has been developed to facilitate the coordinated and aligned dissemination of NEDS messaging between the various stakeholder teams.
0.5	<b>Publish NEDS strategy update</b> Develop and iterate strategy to reflect progress of initiatives and new information. Decision document for following period of NEDS delivery published.	CRU (DECC, DETE, State Agencies)	2026/2027	Due to commence	Work will be initiated in due course and at an appropriate time, which will allow for carrying out the actions identified in the NEDS Decision Paper. Learning and feedback from the impact of these actions will be taken into consideration, which will allow for the development of the next iteration of the NEDS.

Area 1A: Smart Services – Retail, Products and Incentives					
1.1	<b>ToU Tariffs</b> Increase the number of permitted ToU tariffs offered and address barriers and incentives to increase uptake across customers.	Energy suppliers (CRU)	2026	On Track	ToU Tariffs are offered by all energy suppliers. A number of suppliers report an increase in uptake.
1.2	<b>Dynamic Tariffs</b> Develop and offer dynamic tariffs to customers following decision requiring suppliers with more than 200,000 final customers to have dynamic tariffs in place.	Energy suppliers (CRU)	Q3 2025	On Track	In the CRU's "Dynamic Electricity Price Tariffs" Decision paper (CRU2024121) the CRU requires five suppliers to offer a Standard Dynamic Price Contract to electricity customers by 1 October 2025.
1.3	<b>Smart EV Charging Services</b> Engage across relevant parties to develop propositions for smart charging services, including an exploratory investigation of vehicle-to-grid (V2G) services. Establish working group to explore barriers and enablers. Publish programme of work.	ESBN (CRU, Energy suppliers, ZEVI, EirGrid)	Q4 2025	On Track	This has been included in the Multi-Year Plan as a deliverable in 2025 and task owners have been assigned.  Engagement with supporting bodies to commence Q1 2025 to establish the working group.
1.4	<b>Review of policy &amp; supports for EV charging</b> Review measures that support EV charging with a view to identifying how they can better support flexibility. This should include a review of depot charging for Heavy Duty Vehicles to consider how this type of charging can support flexibility potential.	ZEVI	Q1 2025	On Track	Review has commenced and is currently ongoing. On track for Q1 2025 finalisation.
1.5	<b>Price Comparison Website accreditation</b> Consult on the Price Comparison Website Accreditation Framework.	CRU	Q4 2024	Delayed	Consultation planned for Q1 2025.
1.6	<b>Customer engagement for flexibility initiatives</b> Develop, agree and publish plan for customer (residential & businesses) engagement to drive widespread awareness, consumer interest and desire to participate in flexibility initiatives.	Smart Energy Services Working Group (Energy suppliers, DECC, CRU, SEAI, ESBN, EirGrid)	Q1 2025	Due to commence	Part of a wider workstream area under the Smart Energy Services Working Group (SESWG), concerning motivation & engagement measures for consumers to engage in demand flexibility activities. Further work will form a part of the SESWG Implementation plan to be published in 2025.

1.7	<b>Flexibility benefits and opportunities for businesses</b> Develop an approach for active engagement with businesses to raise awareness of information about the opportunities for companies to participate in and benefit from flexibility as appropriate to existing programmes (e.g. support schemes, financial/carbon savings).	SEAI (CRU, DETE, IDA, Enterprise Ireland, Energy suppliers)	Q3 2025	On Track	SEAI have launched an online smart energy hub to provide independent information to businesses on smart and flexible energy and how they may engage with such services. The hub will evolve over time and in line with policy developments and market offerings. There is a significant focus on SMEs to begin with. SEAI have commenced a review of existing grant schemes and identifying opportunities for introducing smart and flexible aspects within these.
1.8	<b>Tariffs for business</b> Undertake market testing, research and trials to enable tariffs most suited to businesses' demand profiles to be developed.	Energy suppliers (CRU)	Q3 2025	On Track	The current 'Supplier Report' template to be amended to provide further information (e.g. differentiate between residential & commercial customers).
<b>Area 1B: Smart Services – Infrastructure and Systems</b>					
1.9	<b>Completion of smart meter rollout</b> Smart meter upgrades to continue across remaining domestic customers including day/night meters. Complete rollout of smart meters for 3 Phase customers. Develop and adapt delivery to maximise the benefits of smart meters.	ESBN (CRU)	2026	On Track	Progress to date - Total Smart Meter exchanges: 1.89M. Over 400,000 customers are now availing of a smart price plan with their supplier. Over 117,000 customers with microgen and a smart meter are now receiving payments based on their actual export quantities. Rollout of the smart 3-phase meters is on track to commence in Q3-25.
1.10	<b>Communication system for system alerts</b> Review communication system that notifies relevant system users (such as suppliers and LEUs) in advance of a system alert and a low system non-synchronous penetration (SNSP) event.	EirGrid	Q4 2024	Completed	Report submitted to the CRU
1.11A	<b>Microgeneration operational issues</b> Review impact of operational challenges for System Operators associated with high levels of microgeneration given the potential growth of installations and report to the CRU.	ESBN (CRU)	Q2 2025	On Track	Included a milestone under the relevant Reducing Dispatch Down tasks (RDD1&2 tasks) in the 2025 Joint System Operator Programme (JSOP) multi-year plan to collaboratively deliver this report with EirGrid to the CRU as requested under NEDS action 1.11.

1.11B	<b>Microgeneration operational issues</b> Review impact of operational challenges for System Operators associated with high levels of microgeneration given the potential growth of installations and report to the CRU.	EirGrid (CRU)	Q2 2025	On Track	Added the need to report to the CRU as a milestone under workstream RDD1/RDD2 of the EirGrid-ESBN Joint System Operator Programme Multi-Year Plan for 2025
1.12	<b>Market design changes for secondary measurement devices</b> Consultation to establish what market design changes will be required for secondary measurement devices, and the timelines for implementing those changes.	CRU (ESBN, EirGrid)	2026	Due to commence	Working towards original timelines. Awaiting transposition of Directive 2024/1711
<b>Area 1C: Smart Services – Business Models</b>					
1.13	<b>Licences for aggregation and demand response</b> Consult on development of new licences for aggregation and demand response.	CRU	2025	Due to commence	Working towards original timelines.
1.14	<b>Regulatory framework for “Relevant Market Participants”</b> Consult on a regulatory framework for “Relevant Market Participants”, which is a market participant that is not a licensed electricity undertaking, to support emerging and innovative business models.	CRU	2025	Due to commence	Working towards original timelines.
1.15	<b>Energy sharing and trading</b> Publish call for evidence in relation to energy sharing to identify and develop opportunities to support producers and consumers to share their generated electricity and incentivise flexibility.	CRU (ESBN, EirGrid)	2025	Due to commence	Working towards original timelines. Awaiting transposition of Directive 2024/1711

Area 1D: Smart Services – Standards and Interoperability					
1.16	<b>'Flexibility readiness' requirements</b> Introduce technical requirements for interoperable telecommunications and control facilities for inverter interfaced small scale solar PV and battery sources.	ESBN (Smart Energy Services Working Group, SEAI, CRU)	Q3 2025	On Track	Procurement and project scope underway Q1 & Q2 2025.  A network pilot to test the solution is planned for Q3 2025.  The pilot's results may inform updates to existing national standard documentation.
1.17	<b>Energy smart appliances</b> Publish review of options for development of standards to enable the uptake of "energy smart" appliances.	Smart Energy Services Working Group (DECC, NSAI, DETE, CRU, ESBN)	Q3 2025	Due to commence	Will be developed further through the Smart Technology & Standards workstream of the SESWG.
1.18	<b>Smart Meter Data Access Code</b> Publish decision on the Smart Meter Data Access Code to determine how smart meter data can be accessed by market participants and third parties	CRU (ESBN, Energy Suppliers)	Q3 2024	Delayed	Decision to be published in Q1 2025.
Area 2A: Demand Flexibility & Response – Market Frameworks					
2.1	<b>Electricity network tariff reform</b> Commence project to assess options for reform of electricity network tariffs and charging, addressing priority areas for delivery that have emerged through the NEDS process including treatment of storage, and fixed and volumetric allocations.	CRU	Q2 2025	Due to commence	Work within CRU to re-start this project has commenced.
2.2	<b>V2G charging point uptake</b> Review how support for the increased uptake of V2G-enabled charging points can be implemented as part of the Electric Vehicle Charging Strategy 2026 – 2029 and reflect this updated strategy publication.	ZEVI (CRU, ESBN, Charging Point Operators)	Q4 2025	On Track	Work will commence in 2025 on the Electric Vehicle Charging Strategy 2026-2029 and will reflect rollout of V2G enabled charging.

2.3	<b>Increase flexibility provided by DSUs</b> Develop and publish a plan of work to improve active participation and performance of DSUs in the market and remove barriers. Plan to clarify expectations on DSUs to increase the flexibility, consider industry-suggested code changes and describe technical updates to be implemented for TSO and Market Operator (MO) systems.	EirGrid (DSUs, Suppliers, ESBN, CRU)	Q1 2025	On Track	TSO Demand Side White Paper published on EirGrid and SONI websites. Work progressing on developing initial draft of TSO Demand Side Plan which will include the elements in this action.
2.4	<b>Market changes to enable increased flexibility</b> Assess and report on status and potential solutions to enable energy market participants to offer increased flexibility through the energy market, supporting more flexible trading of demand, engaging suppliers more actively, and ensuring technology neutrality in market and dispatch systems.	EirGrid (CRU, ESBN, Market participants)	Q2 2025	On Track	TSO Demand Side White Paper published on EirGrid and SONI websites. Work progressing on developing initial draft of TSO Demand Side Plan which will include the elements in this action.
<b>Area 2B: Demand Flexibility &amp; Response – Procurement and Product Development</b>					
2.5	<b>Long Duration Energy Storage</b> Develop detailed procurement options informed by Call for Evidence responses and report to the CRU.5 Consultation paper to follow (Q4 2024).	EirGrid (CRU, DECC)	Q3 2024	Delayed	Following direction from CRU and in discussion with DECC on procurement and timelines, initial draft on procurement models in progress. EirGrid to publish first consultation paper in Q1 2025.
2.6	<b>TSO demand flexibility product</b> EirGrid to keep under review further potential options for TSO demand flexibility products, reporting output to CRU.	EirGrid (CRU)	2025	Due to commence	Work on TSO Demand Side Plan needed before this work can start
2.7	<b>Maximum Import Capacity flexibility</b> ESBN to review opportunity to deliver flexibility through Maximum Import Capacity on distribution system connection agreements and engage with the CRU.	ESBN (CRU, EirGrid)	Q1 2025	On Track	Action has been included in the updated Flexibility Multi-Year Plan 2025-2029.  Continuing to progress with the Flexible Connections initiative and engagement ongoing with supporting bodies.

2.8	<b>Flexibility Needs Assessment</b> Undertake and publish assessment of flexibility needs in line with ACER flexibility-needs assessment methodology, and other relevant considerations (e.g. the assessment of EV recharging points operation & potential contribution, Alternative Fuels Infrastructure Regulation - Articles 15 (3) and (4)). Engage with fellow regulators via ACER and CEER to maximise learning from others, and to influence direction of flexibility market design across the EU.	CRU (EirGrid, ESBN)	Q2 2026	On Track	The CRU have engaged with ACER to respond to ENTSOE-E's drafting of methodologies for the Flexibility Needs Assessments. As part of this, CRU flagged possible cross-border reporting issues. CRU has also had preliminary discussions with EirGrid (who are expected to lead on modelling) and ESBN (who will provide relevant data) on roles and approaches. CRU also held initial engagement with UR.
2.9	<b>Flexibility market development</b> In update to flexibility multi-year plan set out plan for longer term ambition to move from focused product development to broader technology and sector agnostic arrangements to build a deep and competitive market.	ESBN	Q4 2025	On Track	The ESBN Flexibility Multi-Year Plan 2025-2029 (Sept 2024, DOC-180924-IBD) contains a range of milestones that are not based on any specific technology. The milestones will allow for flexibility market participation from many sectors. Some examples include the Demand Flexibility Product (DFP), Beat the peak Business, EVs etc.
2.10	<b>DSO demand flexibility product</b> Review further potential options for DSO demand flexibility products including industrial heat.	ESBN (CRU, DETE, Enterprise Ireland)	Q1 2025	On Track	Action has been included in the ESBN Flexibility Multi-Year Plan 2025-2029 (Sept 2024, DOC-180924-IBD).  Continuing to progress with the Flexible Connections initiative and engagement ongoing with supporting bodies.
2.11	<b>DSO flexibility procurement</b> Second stage consultation on detailed aspects of product design to support medium-duration flexibility procurement tender process.	ESBN (CRU)	Q3 2024	Completed	Second consultation on the Demand Flexibility Product closed on 9 December 2024.
2.12	<b>Biomethane lighthouse</b> Publish plan to deliver biomethane lighthouse project, including indication of anticipated biomethane volumes and further details (e.g. imported or domestic, if via Guarantees of Origin, etc.) to deliver flexibility.	ESBN (CRU, GNI, Biomethane Implementation Group)	Q4 2024	Completed	Expression of interest published. Engagement complete with supporting bodies on project plan.

2.13	<b>Smart charging flexibility product</b> Develop and launch new smart charging flexibility product and/or service and ensure the delivery is fair and effective in enabling demand flexibility through EVs.	ESBN (CRU, Suppliers)	Q4 2025	On Track	Exploratory discussions held with smart charging vendor in November 2024 to understand possible customer value propositions.
2.14	<b>Gas flexibility products &amp; services</b> Undertake assessment to identify flexibility products & services on the gas network which can contribute towards achieving targets and overall NEDS objectives (Ref: Energy Security Package Action 4).	GNI (CRU)	2025	At risk	GNI submitted a proposal on 'Interruptible Capacity' products to the CRU in late 2023 and GNI continue to engage with the CRU on this topic. GNI also continue to engage with the CRU on the LEU decision and await its publication, for consultation.
<b>Area 2C: Demand Flexibility &amp; Response – Technology, Platforms and Systems</b>					
2.15	<b>European SCALE project monitoring</b> Monitor relevant developments from the Smart Charging Alignment for Europe (SCALE) project and reflect learnings in updated NEDS strategy.	CRU	2026	On Track	Resources have been assigned, with relevant learnings/input to be fed into NEDS and other workstreams as appropriate.
2.16	<b>Optimise EV fleet charging</b> Develop and publish plan to optimise EV fleet charging through technology and software solutions.	ESBN (Aggregators of EVs, Suppliers, CRU, ZEVI)	Q2 2025	On Track	Preparing to mobilise initiative to deliver Plan to Optimise EV Fleet Charging in line with Q2 timeline
2.17	<b>Smart EV charging availability</b> Develop and publish technical assessment of how the available smart EV charging and V2G capacity can be maximised through network operations.	ESBN (CPOs, ZEVI, large EV fleet owners/operators and Local Authorities)	Q2 2025	On Track	Preparing to mobilise initiative to conduct the assessment of smart charging availability and V2G capacity.
2.18	<b>Changes required for dispatchable consumption</b> Implement code and system changes to better accommodate "dispatchable consumption" proposals and upwards demand response.	EirGrid	2027	On Track	High level requirements finalised, and detailed requirements gathering activities underway in advance of vendor engagement. Identification of grid code and TSC changes to begin in early 2025 alongside detailed system design. Engagement on design to commence in H1 2025.

<b>Area 2D: Demand Flexibility &amp; Response – Information, Certification and Reporting</b>					
2.19	<b>Electricity system emissions information</b> Review approach to reporting of real time emissions from TSO dispatch of the system engaging with the CRU. Develop approach to integrate emissions data and reporting into wider TSO decision-making where it is possible to do so.	EirGrid (CRU, ESBN, SEAI)	2025	Due to commence	Work to start scoping this review is expected to commence shortly.
2.20	<b>Gas network emissions information</b> Explore and implement potential enhancements to the information available on system emissions, drawing on international examples and engaging the CRU.	GNI (CRU)	Q4 2024	On Track	GNI have completing a review of international examples and have investigated the data requirements for this task. GNI have engaged with the wholesale markets and data teams and are now in a position to propose a solution to the CRU for approval before completing the build.
2.21	<b>Enhanced emissions reporting framework (Part 1)</b> Deliver the design report for an enhanced emissions reporting framework for electricity emissions for LEUs (CAP24 action: EL/24/22).	SEAI (CRU, EirGrid, ESBN, Enterprise Agencies)	Q3 2024	Completed	The SEAI's "LEU electricity emissions reporting framework" was published in December 2024.
2.22	<b>Electricity Guarantees of Origin</b> Review data on Guarantees of Origin including information currently used by suppliers for fuel mix disclosure, and identify design options for more detailed certification implementation. (Linked to 2.21)	CRU (SEMO)	Q4 2024	Completed	Reviewed the design options for more detailed reporting on GOs in the annual FMD Reporting together with SEMO. Data collection and final output of designs reviewed to be discussed in Q1 2025 with SEMO. Changes to the annual FMD Report structure is to be finalised in Q1 2025. Awaiting EU granular GO guidelines to inform more detailed GO certificates.
2.23	<b>Certification of additionality for (a) power and (b) renewable gas</b> Explore the potential offered by new structured power products in the market and review options for certification of additionality for (a) power (CRU, EirGrid) and (b) renewable gas (CRU, GNI). Review and consult subject to initial assessment. (Linked to 2.22)	CRU (EirGrid, GNI)	Q2 2025	On Track	Initial scoping and discussions have commenced with a view to exploring the potential of new products and options for certification of additionality.

2.24	<b>Future role of the gas network</b> Ensure a fit for purpose gas grid, that supports Ireland’s energy and climate ambition. Includes the development of scenarios to define the future role of the gas network. (Ref: Energy Security Package Action 16)67	GNI (DECC, CRU)	2024 - 2025	On Track	There are common themes and requirements between Action 2.24 and 2.25. Detailed scoping is ongoing in GNI on mapping out the deliverables for these requirements.
2.25	<b>Support planning for the future role of the gas network and pathway for implementation</b> Develop a plan for transitioning the gas network over time, taking due consideration of various aspects including development of the hydrogen and biomethane sectors, energy security, costs, blending, amongst others. (Ref: National Hydrogen Strategy Action 12)8	GNI (DECC, CRU)	2023 - 2026	On Track	There are common themes and requirements between Action 2.24 and 2.25. Detailed scoping is ongoing in GNI on mapping out the deliverables for these requirements.
<b>Area 3: New Demand Connections</b>					
3.1	<b>Publication of new LEU connection policy</b> (a) Publish the next stage of consultation. (b) Publish and implement new connection policy for LEUs.	CRU	(a) Q3 2024	On Track*	The next stage of consultation, <b>part (a)</b> , which is a Proposed Decision, has been <b>delayed</b> , but due for publication in Q1 2025. The CRU are still working towards publication of the connection policy decision in 2025, which is part (b) and the central objective of this action. Hence the overall status for this action is shown as “On Track”.  *Refers to the status of this overall action.
			(b) 2025		
3.2A	<b>Enhanced quality and accessibility of network information</b> Enhance quality and accessibility of information relating to areas of the network, where capacity is available and future network development plans.	ESBN (CRU)	2025	On Track	Review of existing information underway

3.2B	<p><b>Enhanced quality and accessibility of network information</b>                  Enhance quality and accessibility of information relating to areas of the network, where capacity is available and future network development plans.</p>	EirGrid (CRU)	2025	On Track	EirGrid is currently engaging with the CRU on next steps for the LEU policy which also refers to this.
3.3	<p><b>Monitor work being undertaken to assess the role that integrated energy parks could play in our future energy system</b>                  Monitor work being undertaken as part of the National Hydrogen Strategy to assess the role that integrated energy parks could play in our future energy system, including their potential benefits and the possible barriers (market, legal or other) that may exist. (Ref: National Hydrogen Strategy Action 6)</p>	CRU (DECC, DE TE, IDA, ESBN, EirGrid, GNI)	Q4 2025	On Track	In order to monitor relevant work being undertaken, the CRU has participated in DE TE Steering Group and DECC Workshops looking at opportunities for Energy Park projects.

The CRU continues to work with DECC, DE TE and other relevant stakeholders in relation to the recommendations for Government Departments, as referred to in the introduction (Section 1) of this document.

## 5. Next Steps

- The next NEDS Biannual Update publication is planned for Q3 2025.
- The NEDS Implementation Group will continue to meet on a quarterly basis to promote progression of the NEDS actions and discuss any relevant aspects, including any challenges arising which may pose a threat to delivery.