

28/03/2023

Shaping Our Electricity Future

Advisory Council Meeting 4

Belfast, N. Ireland



Meeting Agenda

Time	Topic	Presenter / Detail
10:00	Tea/Coffee	
10:30	Introduction, previous meeting actions	Liam Ryan: Chair, Strategic Advisory Council Alan Campbell: Managing Director, SONI
10:45	N. Ireland Department for the Economy: Energy Policy Update	Peter Russell: NI Energy Policy Update
11:15	Breakout Session, Round 1	Networks: Robbie Aherne, Liam Ryan Operations & Markets: Dave Carroll, Eoin Kennedy
12:30	Lunch Break	
13:15	Regulatory Authority Presentation	Robert O'Rourke: System Services Update
13:45	Breakout Session, Round 2	Networks: Robbie Aherne, Liam Ryan, Kevin Dolan Operations & Markets: Dave Carroll, Eoin Kennedy
15:00	Closing Messages	Liam Ryan Chair, Strategic Advisory Council
15:30	Meeting End	



Breakout Sessions

Group 1: Networks

Group 2: Operations & Markets

The focus of the breakout sessions is review and discussion of the workstreams' multi-year plans.

Breakout sessions are presented twice - in the morning and afternoon. Council Members to attend both.

Introduction

10:30 - 10:45



Actions & Follow-Ups

#	Action	Owner	Status	Notes
1	Problem Statement Review and Revision	Members TSO	Complete Complete	Suggestions for revision received. Updated Problem statement provided at ACM #4
2	SONI to consider producing an updated Northern Ireland constraints report	SONI	Complete	SONI has agreed and are progressing a project to develop the Northern Ireland's constraints report. Renewables NI was engaged on the assumptions and the project is now in the implementation phase. The report is expected in Q3 FY23.
3	TSOs will include a breakdown of storage requirements by duration and capacity for SOEF v1.1	TSO	Complete	Greed, this will be included in SOEF v1.1
4	TSOs will engage with the Advisory Council before publication of Tomorrow's Energy Scenarios	TSO	Complete	R. Ahern to provide an update at the ACM #4
5	Produce end-to-end action plan around the solution for FASS	RA	Complete	Will be discussed by at ACM #4
6	TSOs to include consideration of an enduring implementation for Scheduling and Dispatch in the overall plan	TSO	Complete	Will be discussed at ACM #4
7	Review the RAG status of the Networks programme considering the project pipeline and constraints discussed	TSO	Complete	Distributed



SOEF Advisory Council

Revised Problem Statement

SOEF Problem Statement



Thank you for your input on the SOEF Problem Statement. We received numerous suggestions for change. We have finalised this into two parts: the Problem Statement and the SOEF Mission Statement.

SOEF Problem Statement

Our electricity ecosystem needs to be transformed in an unprecedented manner to enable decarbonisation of our economy and achieve national, EU and UN climate and energy objectives.

An innovative ecosystem designed to attract investment and governed by appropriate regulatory and market structures will be needed for both the near term (2030) and the long term (2050).

SOEF Mission Statement

To create a framework that enables the rapid transformation of the electricity ecosystem aligned with targets from both Governments, to be secure, sustainable and which underpins economic growth while protecting the end consumer.

SOEF Advisory Council

Development of Sub-Committees / Working Groups

SOEF
Sub-
Committees



We have received feedback that a forum for deeper-dives into particularly challenging topics is required.

We recognise the need to find a practical and routine meeting structure that will allow for these deep-dives into specific SOEF topics across the workstreams.

We are proposing to start with a single sub-committee and “pilot” its operations, allowing us time to evaluate its efficiency and efficacy.



We propose starting with a single Sub-Committee...

...and progressing to multiple if proven meaningful and successful.

SOEF Advisory Council

Our “Ask” for SOEF Advisory Council Members

The “Ask”



Today we are asking for your advice and counsel on:

1. Multi-Year Plans – a “red flag” review
2. Proposed Sub-Committee – feedback on committee topic
3. Review of Network Principles

Please offer us your ideas, advice, and counsel.

We will continue to operate in a transparent manner and work diligently to deliver upon the SOEF vision.



Northern Ireland :: DFE



Energy Policy Update

Mr. Peter Russell

Director, Electricity and Security of Supply

Ms. Zoë Crowe

Renewable Electricity Team

10:45 - 11:15



Breakout Sessions, Round #1

11:15 - 12:30

Markets & Operations

Location: Virtual

Presenters: Dave Carrol - Markets, Eoin Kennedy - Operations

Topic: Red-flag review of multi-year plans

Networks

Location: In-person, Belfast Hilton (Board Room)

Presenters: Liam Ryan, Robbie Aherne

Topic: Discussion of Network Principles



SEMC Presentation

System Services Update

Mr. Robert O'Rourke
Manager, Electricity Networks, CRU

13:15 - 13:45



Breakout Sessions, Round #2

13:45 - 15:00

Networks

Location: Virtual

Presenters: Liam Ryan, Robbie Aherne

Topic: Discussion of Network Principles

Markets & Operations

Location: In-person, Belfast Hilton (Board Room)

Presenters: Dave Carrol - Markets, Eoin Kennedy - Operations

Topic: Red-flag review of multi-year plans



Closing Messages

15:00 - 15:30



Closing Messages

- Thank you for your time and input today
- The Multi-Year Plans stay confidential until final versions are published.
- Please provide your feedback on the proposed SOEF sub-committee
- Next meeting info:
 - Early June 2023, Dublin
 - Exact date forthcoming, issued via meeting invitation





Single Electricity
Market Operator

Market Operator
Single Electricity



SOEF Markets

Industry Advisory Council – March 2023

SOEF Markets

- High level market design is a decision for the SEMC
- TSOs/MO then develop detailed design for SEMC approval and carry out implementation of same
- SOEF is the TSOs/MO view of change needed for the next several years
- It is predominately based on SEMC decisions, NRA directions, EU legislation, etc

SOEF Markets

Pillar 1

- Future Arrangements for System Services
- Scheduling & Dispatch
- Delivering balanced portfolio of capacity
- Capacity Remuneration Market (Post 2027)
- Network Tariff Review (CRU)

Pillar 2

- Reintegration with EU to align with Celtic Interconnector
- GB market arrangements post Brexit

SOEF Markets

- Majority of the plan is still the same as SOEF v1.0
- Key differences are:
 - SEMC ask of the TSOs to prioritise ‘interim’ FASS
 - TSOs/MO investigating market solutions around Long Duration Energy Storage
- There is a very significant body of work over coming years associated with these possible changes for all of industry

SOEF Markets

1. Is the level of recommended change achievable in the timeframes (much of this is needed over next 1-4 years)?
2. Are the required key strategic enablers in place to deliver on the scale of change required?
3. Are there any gaps in the recommended changes?
4. We are all often focused on short term issues, such as modifications to codes. How do we ensure a more strategic outlook?

22/03/2023

Shaping Our Electricity Future

System Operations



28th March 2023

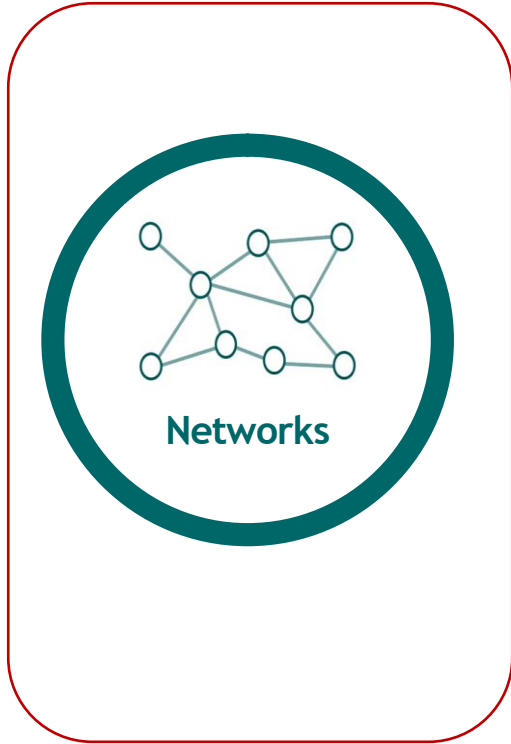
Network Principles Workshop

SOEF Advisory Council



SOEF V1.1 - What?

Integrated Roadmap



Networks Principles Workshop (1)

- Between now and 2030, there needs to be a transformational step change in the volume of network reinforcement delivered across the transmission network
- This is required to support the delivery of the Ireland and Northern Ireland renewable ambitions in an efficient and effective manner
- At the moment EirGrid / SONI focused on development of revised power system vision and candidate reinforcements to reflect latest policy
- As part of this developing a networks enabler multi year plan to complement the portfolio of candidate reinforcements
- Today would like to workshop key principles in this space

Networks Principles Workshop (2)

1. Contestable Clustering of Renewable Projects

- *Gathering together of renewable projects in a geographic area into a new substation and injecting power onto grid where there is realisable capacity. Contestably built by developers*
- Guiding Questions
 - What are the key challenges we need to focus on to enable this at scale?
 - What lessons can we learn from the past on how this was delivered?

2. Key enablers in Northern Ireland to facilitate delivery of transmission infrastructure

- E.g. Consenting process, non-network devices, lead-time reductions etc.

3. Key enablers in Ireland to facilitate delivery of transmission infrastructure

- E.g. Outage transformation, consenting, use of public road networks, non-network devices, lead-time reductions etc.