



THE ASSOCIATION  
FOR RENEWABLE ENERGY  
& CLEAN TECHNOLOGY

# Solar & Energy Storage Forum Joint Meeting

3pm – 5pm, Wednesday 19<sup>th</sup> January 2021



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*Decarbonising the economy*

# Agenda

## **15:00-15:05 Welcome and Introduction**

### **15:05 – 15.35 Long-Duration Energy Storage Council Presentation: “Net-Zero Power: Long Duration energy storage for renewable grid”**

- LDES Council Introduction *Rachael Reid (BP), Colin Roy (Highview Power)*
- Presentation of the report findings *Godart van Gendt (McKinsey)*

### **15.35 – 15.50 Q&A with the Long Duration Energy Storage Council**

### **15.50- 16.00 Break**

### **16.00 -16.15 Update from BEIS on Solar Policy in 2022 Julie Whiting (BEIS) and Boris Rogatchevski (BEIS)**

### **16.15 – 16.55 REA Policy Update**

- Policy milestone tracker
- CfD Update
- RIIO ED-2 DNO business plans
- Business rates update
- Arup and BEIS seeking data on cost of repowering and extending life of solar projects
- Smart Systems and Flexibility Plan review and next steps
- ENA Engagement
- Literature Review: Carbon payback period of solar
- Any ongoing Import or staffing Issues related to covid/Brexit?

### **16:55-17:00 Meeting close**



# Long Duration Energy Storage Council Report

## **LDDES Council Introduction**

*Rachael Reid (BP)*

*Colin Roy (Highview Power)*

## **Presentation of the report findings**

*Godart van Gendt (McKinsey)*

**Guest  
presentation**



# Long Duration Energy Storage Council Report

Q&A

**Guest  
presentation**

***Rachael Reid (BP),  
Colin Roy (Highview Power)  
Godart van Gendt (McKinsey)***



# BREAK

**15:50-16:00**



# Guest Speaker

## Update from BEIS on Solar Policy in 2022

**Julie Whiting,**

*Onshore wind, solar and hydro policy Team Leader*  
Renewable Electricity Directorate, BEIS

**Boris Rogatechevski,**

*Policy Advisor, Onshore wind, solar and hydro policy team*  
Renewable Electricity Directorate, BEIS



**Policy  
announcements**

# **REA Policy Milestone Tracker and CfD Update**



## **RIO ED-2 DNO Business Plans**

- REA members matrix
- Consultation response key points:
  - Data visibility- demand and supply
  - Transparency on EVs
  - Costs of reinforcement
  - Staffing numbers
- Consultation closes 7<sup>th</sup> February

Welcoming member feedback





## Business Rates Update

Positive news in Autumn Budget: *“From 2023, the government will introduce exemptions for eligible plant and machinery used in onsite renewable energy generation and storage, and a new 100% relief for eligible heat networks, to support the decarbonisation of building.”*

However an on going consultation referring to administrative process remains Open and with some concern:

- ***Duty to Notify requirements are overbearing and extensive.***  
REA will be calling for this process to be simplified and only require annually
- ***Penalties are too penal.*** Min. £300 for non compliance, with addition of £60/day. Plus 2% RV fine if there is a failure to notify of changes that would lead to increased RV.
- ***Introduction of a 3-month challenge deadline*** – likely to lead to protective challenges.
- ***Lack of clarity on definition of low carbon sources*** in 100% relief for heat networks.
- ***Further guidance needed on onsite*** renewables relief implementation

Deadline for Response is 22<sup>nd</sup> February - REA to circulate draft in due course.



## Policy announcements

### Costs of repowering and extending end of life solar

BEIS have commissioned Arup to develop a representative set of technical and costs ranges for use in levelised cost analysis.

Study to focus on Solar PV; Offshore Wind; Onshore Wind and Landfill Gas.

Particularly interested in the costs associated with repowering and extending life of projects.

Data to be anonymised and NDA's signed with Arup between respondents.

Questionnaire will be circulated, please do provide feedback as it remains an important evidence base for future policy decisions.

ARUP



## Smart Systems Flexibility Plan

REA aims to hold BEISs feet to the fire on committed actions from the SSFP

68 committed actions

10 actions due to have been completed by 2021

With a dozen for 2022

Welcoming member input on

**Policy  
announcements**



## ENA Engagement

Continuing engagement from last year on:

- Queue management thresholds
- Grid Securities Issues

ENA have welcomed ongoing evidence in relation to impacts of these changes.

ENA this year have established their Challenger Group and Open Networks Dissemination Forum. Details of which are yet to be set out.

However, we are expecting by the end of the month:

- Update on Phase 1 Access Significant Code Reforms
- Update on Phase 2 Distributed use of System (DuOS charges) reforms under separate SCR.

Consultation to follow later in January



## NG ESO Engagement



## Policy announcements

National Grid ESO currently conducting stakeholder engagement around Net Zero Market Reform.

Engagement exercise follows published conclusions from phase 2 of the [Net Zero Market Reform project](#).

Earlier this week they ran two workshops focused on Operation and Investment in terms of future market design.

Reports are likely to prove influential in future market design and positions of a Future System Operator if that is to be established.



## Ongoing staffing issues related to Covid or BREXIT

We continue to feed into BEIS and across Whitehall any issues concerning supply chain constraint's caused by Brexit or Covid issues.

**Policy  
announcements**



# Solar Discussion Topics

## Literature Review: Carbon payback period of solar

Pay back period off between 3-5 years

Comparable to that of Nuclear or wind

A wide range of Academic peer reviewed research available



# Meeting Close

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