

# **IESA's Services and Representations for Members**

## **1. Consultations and Responses**

We follow the Consultations from CRU, SEMC, EirGrid, etc relating to storage matters and ensure we submit representative and robust responses to these. The process is:

- (i) we alert Members when these are issued,
- (ii) then Frank Burke our Technical Advisor prepares a draft response in conjunction with the other people on the IESA team, and this is then circulated to IESA Members,
- (iii) we run a short information webinar (if requested) so that Members understand the issues and can come back with considered comments/views/ specific points for inclusion in the submission,
- (iv) we finally submit the response to the appropriate body. The objective is to ensure our Members are abreast of developments relating to the storage sector and that their considered and expert views are in the Consultation to be taken into account.

We have to note here that Frank Burke is a person of exceptional experience and knowledge in this sector and is regarded as one of the most competent in this area in Ireland (and beyond) in system services.

## **2. Storage Issues requiring attention**

We consider issues that are posing difficulties for the storage sector (sometimes raised by members), develop a position, and then address it in a structured way. The most notable example of this was the "wires' double-charging" anomaly, as mentioned at the start of this letter, which existed for storage projects, in contrast to demand sites, generation sites, and auto-generation sites who all only paid on either imports or exports. Storage projects were being seriously damaged economically by this anomaly. IESA argued with and convinced the CRU to issue a Consultation early in summer 2020 proposing an interim solution pending an enduring solution later.

A Decision was published on 29 Sept 2020 on this matter as an interim solution of wires' charges (TUoS payment for Commercial Storage facilities will be on imports only); the new TUoS charging regime was implemented on 1st Oct 2020. This has been a notable success for IESA. The savings will be approx €6k per MW per annum on a storage project, so on a 50 MW project for example this would be €300k per annum - a significant sum. This is a major success for the IESA.

The link to this Decision Paper on Network Charging for Commercial Storage Units is:  
[https://www.cru.ie/document\\_group/network-charging-for-commercial-storage-units/](https://www.cru.ie/document_group/network-charging-for-commercial-storage-units/)

## **3. News and Bi-monthly Newsletter**

We keep up to date with developments in the storage sector both in Ireland and globally as it is important to know about new storage applications, changes in technology and the types of projects being implemented as well as market developments. News items are posted on the "News" section on our website, and on the IESA LinkedIn page.

In addition, we issue a Newsletter every two months setting out the issues arising in the storage sector and the current activities/actions underway in IESA, and other relevant news items. By maintaining contact with our Affiliates/partners in Australia, China, India, and the USA we stay abreast of storage developments globally.

#### **4. In-house webinars for members**

In addition to webinars related to consultations, we have an annual program of in-house webinars for our members. Many of these are very focused half-hour webinars (conscious of our member's time constraints) on topics of interest to our members to keep them up to date with developments in the energy storage industry. Our 2021 program includes:

Tue 9 <sup>th</sup> Mar 14.00hrs	Liquid Air Energy Storage – The value of long duration synchronous energy storage to power systems stability by Highview Power
Tue 13 <sup>th</sup> April 14.00hrs.	Repurposing "end of life " Batteries by DACS
Mon 19 <sup>th</sup> April 11.00hrs	EirGrid Consultation “Shaping our Electricity Future” – IESA Webinar
Tue 18 <sup>th</sup> May 14.00hrs	Financing Energy Storage Projects by SDCL
Tue 22 <sup>nd</sup> June 14.00hrs	Energy Storage in Communities by MEGA
Aug (date to be advised)	Lumcloon Energy BESS Projects
Tue 14 <sup>th</sup> Sept. 14.00hrs	Energy Storage Solutions for SMEs by 3cea
Oct (date to be advised)	Training Session: Introduction to DS3 and Energy Storage
Tue 23 <sup>rd</sup> Nov 14.00hrs	Electro-Thermal Energy Storage by MAN Energy Solutions

#### **5. Annual Conference or Webinar**

In the absence of Conferences during the current pandemic, we plan to hold larger open webinars from time to time, as important topics arise. Our Green Hydrogen Storage Webinar held on 15<sup>th</sup> Sept 2020 was an outstanding success with almost 180 participants from across 14 countries.

Once Covid restrictions on large gatherings are lifted, we will organise a physical annual conference.

#### **6. Training session on storage market for all members**

This final service is that, when a new Member joins IESA, we provide a training session on all the terms relating to the energy storage market, including the related processes, technologies, and applications impacting on the electricity sector (a new Member would input to this list prior to the training session). For example, many people are familiar with the terms synchronous condensers, rapid-response storage, behind-the-meter storage, synthetic inertia, the various new system services (to mention but a few) but are not sure

how precisely they serve or impact the TSO/customers/revenue stream. This particular service is seen by new members as having high added value.

Our Technical Advisor, Frank Burke, delivered a Training Session for all members on 20<sup>th</sup> Oct on (i) Energy Storage Technologies & Applications and (ii) the DS3 market. The feedback was very positive. Further Sessions will be run in the future with the next one planned for Oct this year.

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