

## DS3 Programme Status Update

21 September 2016

- The Interim Arrangements Tariff [Rates](#) and [Contract Decision Paper](#) has published. The procurement process is now closing and Go Live remains on track for 1st October.
- The Interim procurement process had 117 units apply for 772 lots across 11 system services. A significant volume of work has gone into assessing and verifying responses. Contracts have now issued to all successful tenderers. It is expected a significant level of engagement will be required over the coming weeks on the specific details of contracts in advance of tenderers signing.
- Category 1 generators have all submitted their RoCoF generator studies. These units are now in a 6 month testing process which will conclude by 1<sup>st</sup> March 2017.
- A trial on increasing EWIC exports to 500 MW when wind generation is less than 1GW over the island has been ongoing with results positive to date.
- The Power Off and Save project (formerly named Residential Demand project) kicked off in June. A meeting took place on 25th August to brief all project sponsors.

### Status

Workstream	Commentary
<b>Communications</b>	<ul style="list-style-type: none"> <li>• A System Services Quarterly Update is expected to publish the week ending 23/09/2016.</li> <li>• The DS3 System Services <a href="#">Volumes decision paper</a> was published on the 27/7/2016. This follows a consultation with stakeholders and engagement with the RAs. The Interim Arrangements Tariff <a href="#">Rates</a> and <a href="#">Contract Decision Paper</a> have also published.</li> <li>• A DSM forum is planned for mid October (date TBC).</li> <li>• A Decision Paper for the Qualification Trials has been drafted and is expected to publish over the coming week.</li> </ul>
<b>System Services</b>	<p><b>Interim Arrangements</b></p> <ul style="list-style-type: none"> <li>• The Interim Contracts Decision Paper and supplementary templates for the NI Framework Agreement, IE Framework Agreement and Protocol Document were published on 3rd August and can be found on the EirGrid Website.</li> <li>• The Interim procurement process has closed with 117 units</li> </ul>

	<p>applying across 772 lots. A significant volume of work has gone into assessing and verifying responses. Contracts have now issued as of the 15/09/2016 to all successful tenderers. It is expected a significant level of engagement will be required over the coming weeks on the specific details of contracts in advance of tenderers signing.</p> <ul style="list-style-type: none"> <li>• The Interim Tariff <a href="#">Rates</a> were published on 03/08/2016. The subsequent decision paper was issued on 29/08/2016 and can be found on the EirGrid Website at the following link: <a href="#">Interim Tariff Rates Decision Paper</a>.</li> <li>• The Draft Qualification Trials decision paper was sent to the RAs for review at their Programme Board on 05/09/2016 and the final publication is imminent. The first trials are expected to commence in Q1 2017.</li> <li>• Bilateral meetings were held with a number of stakeholders to consult on performance monitoring proposals and performance scalars under the Interim Arrangements more generally. Performance Scalars will now be recalculated to account for changes to the methodology outlined in the Interim Contract Decision paper and will be communicated to industry over the coming weeks.</li> <li>• Settlement systems remain on track for Interim Arrangements Go Live.</li> </ul> <p><b>Enduring Arrangements</b></p> <ul style="list-style-type: none"> <li>• On 23/06/2016, the RAs published their decision to revise the date for the first auction to the first half of 2018, for delivery of the services in October of 2018. The delay of the Auction Design Decision will result in a delay to a number of the Enduring Workstreams including Auction Design, Contract Design and Procurement. The TSOs intend to progress on a number of other workstreams which are not affected materially by the Auction Delay in advance of this decision. An additional one year arrangement will now occur in 2017 based on a tariff structure in advance of the RAs' decision on Auction Design.</li> </ul>
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	<ul style="list-style-type: none"> <li>A final decision <a href="#">paper</a> on the Volume Calculation Methodology was approved by the RAs and published on the EirGrid website on 27/07/2016.</li> </ul>
<b>RoCoF</b>	<ul style="list-style-type: none"> <li>Category 1 generators have all submitted their RoCoF generator studies. These units are now in a 6 month testing process which will conclude by 1st March 2017.</li> <li>The study on impact of RoCoF on Demand Customers has been finalised.</li> <li>NIE Networks are progressing well on Straclyde studies which remain on track.</li> <li>ESB Networks are progressing on the RoCoF project with engagements with embedded generation and windfarms regarding settings changes taking place over coming months to advance the project.</li> </ul>
<b>DSM</b>	<ul style="list-style-type: none"> <li>The Power Off and Save project kicked off in June of this year and is progressing well. A follow-on meeting took place on 25/09/2016 to brief all project sponsors. The Electric Ireland Power Off and Save Project Initiation Document was published on the EirGrid website on the 01/07/2016 and can be found <a href="#">here</a>.</li> <li>A DSM forum is planned for mid October (Date TBC). A telecon with key stakeholders took place on 27/07/16 to shape the format and objective of the forum and a draft agenda for a TSO DSM forum has been developed.</li> <li>Installation of Glen Dimplex devices is ongoing, with devices being installed in 50 homes.</li> </ul>
<b>Voltage Control</b>	<ul style="list-style-type: none"> <li>The Smart Power Factor trial is still ongoing and is progressing well to date. Results have been positive so far and the TSOs and DNO are continuing to monitor the performance of the trial.</li> <li>ESB Networks have installed the Nodal Controller onsite in Cautteen and are developing algorithms with the project vendor. The Nodal Controller project has been delayed due to issues regarding compliance with one remaining participant in the trial.</li> </ul>

	<p>A review of timelines was submitted by ESB Networks to the RAs. These updated timelines are subject to successful installation of control schemes at the specified windfarms.</p> <ul style="list-style-type: none"> <li>• NIE Networks have completed a study of embedded (non-cluster) controllable wind farm connections in Northern Ireland to assess how far lagging existing wind farms can be set to without breaching Distribution Code standards. Following discussions it has been agreed for NIE Networks to implement the proposed new settings for each windfarm.</li> <li>• A draft agreement with NIE Networks outlining reactive power capability and settings ranges available to the TSO of distribution-connected resources has been reviewed by NIE Networks and is now agreed.</li> </ul>
<b>Frequency Control</b>	<ul style="list-style-type: none"> <li>• A trial on EWIC export increases to 500 MW when wind generation is less than 1GW over the island has been ongoing with results positive to date. An engagement plan is currently being drafted to communicate proposed interim changes to affected stakeholders for the interim plan. This trial required an agreement with ESB Networks to engage with distribution connected generators for changing of protection settings to allow for higher exports.</li> <li>• An FFR monitoring tool is currently being developed for the control centres</li> </ul>
<b>Control Centre Tools &amp; Capability</b>	<ul style="list-style-type: none"> <li>• EMS look-ahead scope has been signed-off by ISEM and this task is completed.</li> <li>• Information on new declarations has been disseminated to Northern Ireland generators.</li> <li>• The new system services declarations within EDIL have been successfully tested.</li> </ul>
<b>WSAT – Wind Security Assessment Tool</b>	<ul style="list-style-type: none"> <li>• At present WSAT Disaster Recovery project for the new five-minute real-time WSAT is completed and its final testing is currently ongoing.</li> <li>• New WSAT servers and a new version of WSAT and DSATools (v 16) have been installed in the control centres. Next steps will be the installation of the new WSAT monitors in NCC and CHCC</li> </ul>

	<p>and the launch of the new 5-min run WSAT.</p> <ul style="list-style-type: none"><li>• The running interval of WSAT Interrogation Tool was increased in order to analyse more system snapshots. The display was also updated to include two stages of operational thresholds.</li></ul>
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