



# DS3: Renewable Data Workstream Plan 2015

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## **CONTEXT**

Meeting the 40% renewable electricity targets in Ireland and Northern Ireland will require System Operators to manage the power system with increasing amounts of variable non-synchronous renewable generation. In fact, as a percentage of system size, the island of Ireland will have one of the highest levels of wind generation in the European Union.

As the level of variable non-synchronous renewable generation increases year-on-year, EirGrid and SONI need to have sufficient clarity as to how this development is impacting on the characteristics of the power system. The purpose of the renewable data workstream is to develop a repository for renewable-related data for the EirGrid Group and to produce and publish a range of internal and external reports that capture this development.

At this stage, the majority of the reports produced under this workstream have been completed for a number of years and as such the processes and procedures behind these reports are largely established. In this context, a number of deliverables detailed in previous versions of this workstream can be considered as business as usual and thus will no longer be reported specifically as part of the DS3 Programme. However reports such as these will continue to be published per existing arrangements.

## **OBJECTIVE**

The original objective of this workstream was to develop a detailed library of information associated with the integration of renewable generation on an all-island basis. This information then fed into a range of internal reports and external publications – both technical and non-technical.

## **WORK COMPLETED IN 2012-2014**

The following list is a selection of the main reports and deliverables completed during 2012-2014:

- Annual Renewable Report 2012 and 2013
- Weekly Wind Reports
- High Wind Speed Shutdown Reports
- High SNSP Reports Summary up to H1 2014
- Monthly All-Island Wind and Fuel Mix Reports
- Annual summary of the All-Island Wind and Fuel Mix
- Curtailment Reporting
  - 2013 Annual Constraint and Curtailment Report
  - The first quarterly Wind Constraint and Curtailment reports were published in 2013. At this stage reports have been issued to individual wind farms every quarter for both 2013 and 2014.
- All-Island Renewable Connection Report – (36-Month Forecast)
- Integration of the EMS Wind Dispatch Tool in both control centres and use of reason codes logged along Dispatch Instructions for reporting purposes.

## **FOCUS AREAS FOR 2015-2016**

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### Business as Usual:

- Maintaining the overall level of report publications
- Publication of the Renewable Connection and 36-Month Forecast Reports
- Completion of the All-Island High Wind Speed Shutdown reports
- Continuing to inform and enable the development of Control Centre operational policies and tools
- Weekly Wind Reports
- High Wind Reports
- Monthly All-Island Wind and Fuel Mix Reports
- Annual Renewables Report<sup>1</sup>

There are however a number of reports which will include revised formats for the coming year. For example, the year 2014 saw the EMS Wind Dispatch Tool become fully operational in both the Dublin and Belfast control rooms. This means that each MW Dispatch Instruction issued by the Wind Dispatch Tool is now tagged with an appropriate reason code selected by control centre staff from a drop-down list. These reason codes are logged alongside each Dispatch Instruction for reporting purposes and will be included in the quarterly curtailment reports from Quarter 2, 2015 and in the annual report in 2016.

### Revised reports:

- Curtailment Reporting to include reason codes:
  - Annual Constraint and Curtailment Report
  - Quarterly Wind Constraint and Curtailment Reports
- Annual Renewables Report

The following high level plan reflects this transition.

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<sup>1</sup> This report will have a broader remit going forward than the current focus on renewables.

## **HIGH-LEVEL PLAN**

<b>TASK NO.</b>	<b>TASK</b>	<b>RESPONSIBLE</b>	<b>ORIGINAL DATE</b>	<b>DUE DATE</b>
RD.1.1	Develop new template for Wind Constraint and Curtailment Reports using Control Centre Wind Dispatch Tool as data source.	TSOs	New Task	Q1 2015
RD.1.2	Industry engagement on new format for Wind Constraint and Curtailment Reports using Control Centre Wind Dispatch Tool as data source.	TSOs / Industry / CER and UR	New Task	Q1 2015
RD.1.3	Decision on new format for Wind Constraint and Curtailment Reports using Control Centre Wind Dispatch Tool as data source.	CER and UR	New Task	Q2 2015
RD.1.4	Quarterly Constraint and Curtailment Report.	TSOs	Quarterly in Arrears	Quarterly in Arrears
RD.1.5	Annual Constraint and Curtailment Report.	TSOs	Q1 Annually	Q1 Annually