## Request

"Last year we received a breakdown of the renewable technology projected installed capacities and generation from DECC – would you be able to provide the same information for the 2013 UEP scenarios?"

## Response

The attached spreadsheet sets out a breakdown of the 2013 electricity generation sector renewables projections in each of the main UEP 2013 scenarios.

Disaggregated projections for renewables electricity generation, capacity and new build capacity are provided for the period 2013 – 2030. These are a breakdown of the aggregate figures presented in the UEP Annexes E, I and J[1].

The generation sector projections in UEP 2013 differ from earlier projections and assessments, including those in the Draft EMR Delivery Plan[2], for a number of reasons, including:

- UEP's coverage is UK, whereas the Draft EMR Delivery Plan covered GB only.
- The assumptions in the UEP 2013 model were updated following Draft EMR Delivery Plan. The assumptions updated were:
    - some aspects of economic activity;
    - estimates of policy savings and non-Major Power Producer generation;
    - the timing and extent of development of some known renewables projects;
    - the strike prices under the Contract for Difference (CfD) arrangements reflect those set out in Annex B of the Draft EMR Delivery Plan itself.

Projections of electricity demands are different because of these changes in assumptions. Furthermore, the UEP 2013 is designed to project energy demand and emissions, whose coverage is the whole UK energy market. Regarding electricity generation assumptions, in order to make the analysis

[1] The UEP publication, including Annexes, is available at:
Updated energy and emissions projections: 2013 - Publications - GOV.UK

[2] Consultation on the draft Electricity Market Reform Delivery - Consultations - GOV.UK. Annex E sets out a number of scenarios for the possible future evolution of renewables.

more tractable, the projections are based on a single set of plant technology costs and assumed maximum build rates. It does not seek to explore other scenarios in which costs and other key technical parameters differ. In comparison, the Draft EMR Delivery Plan examined a core set of scenarios, broadly comparable in terms of assumptions with the UEP scenarios, and also a much wider set of scenarios including those for high offshore deployment, lower and higher technology costs, high electricity demand and higher biomass conversions.

The attached spreadsheet also includes a comparison between the projections of all the different UEP and Draft EMR Delivery Plan scenarios, for the year 2020.

The final EMR Delivery Plan, due later this year, will incorporate updated electricity demand projections from UEP 2013 and will be the authoritative document with respect to the range of possible deployment of renewable technologies.