



Scotland's Net Zero Roadmap: Phase 2 - Q2 Update

July 2021

1 Summary of Q2 progress (April to June 2021)

During the second quarter of work on the Scotland's Net Zero Roadmap (SNZR) project significant progress was made in developing much of the fundamental work which will underpin the technical aspects of the cluster plan.

In the work on baseline data analysis and phasing, a significant milestone was reached with the assessment of current baselines and production of an interim report on the emissions baselines. This is a key part of developing the cluster plan and evaluating the net zero scenarios that will be modelled in the project. Importantly, the team have also delivered an effective webinar on historical issues with CCS communication, supporting more effective communication in the SNZR project and the industrial decarbonisation field more widely.

Progress in the work package on stakeholder engagement has encountered challenges, resulting in delays to the securing of data from the industrial sites. This has resulted in a delay on gathering of the necessary industrial data set which has had a subsequent impact on the modelling work packages. However, despite data being provided at a slower rate than anticipated, industrial sites have been keen to engage, and data has been provided following fruitful discussions with the majority of sites in the Scottish Cluster. Engagement with the infrastructure owners/ operators and wider stakeholders has also been successful. Both the Emitter's Forum and Infrastructure Group have been initiated and the first meetings for each held during the quarter.

In the work package on technology analysis and selection, strong progress has been made on the evaluation of technologies for carbon capture, carbon utilisation and fuel switching during this quarter. This work continues well and is strongly integrated with the concept engineering work in the project. The preliminary work to establish the Technology Forum has progressed and the first meeting is now scheduled.

The concept engineering work packages have been significantly hindered by the slower sourcing of data from the industrial sites. This has resulted in a revision to the project plan for this work, in order to effectively deliver the objectives in the original timeframe. Despite this, each of the specialist teams have progressed the building of a comprehensive dataset on the specific technologies, building of a logical set of demand scenarios (consistent with the decarbonisation scenarios for the Scottish Cluster), and development of flexible model frameworks which can adapt to the provision of new data.

Within the energy systems modelling work package progress has continued on the fundamental modules which will underpin all of the cluster modelling. This work is less significantly affected by the

delay in obtaining site data as the models are initially built based on available data. Progress, therefore, continues in line with the original plan.

In support of the core technical work of the project, the SNZR partners have made significant efforts to promote, highlight and raise awareness of the IDC projects and industrial decarbonisation in general. Between all members of the group, a significant number of events have been hosted, press materials published and presentations given. Most significantly, NECCUS, as the project lead, have coordinated with other industrial decarbonisation projects with a proposal to showcase the projects at the COP-26 Green Zone. This proposal has been long listed for inclusion in this area of the summit.