**2021/22 – Q3 January 2021**

|  |  |
| --- | --- |
| **Overall RAG status:** | **Amber** |

**Keele Smart Energy Network Distributor (SEND)**

|  |
| --- |
| **Headlines:** * **Capital Build -** Siemens have now completed work on the residential smart meters, including roll out of the smart phone app and Glowplugs (smart plug devices) which has enabled the successful demonstration of the high demand event “demand response” functionality. Final configuration of the communications between meters and SEND systems has been completed. This was the final element of the capital works and now complete the final contract certificates can be issued. Siemens continue to clear “snagging" items and give support to the early operational phase of the system. Processes are in place for raising any problems that occur during the defect liability period so that Siemens can resolve them. Renewable energy construction has progressed well with generation from the wind turbines now achieved along with the PV array which has been generating since September. GHG will be claimed in Q4.
* **3 Year Research, Development and Innovation (RD&I) Projects –** Have now concluded and industry reports prepared by the SEND researchers.
* **3 Month RD&I Projects –** Sixteen, 3-month projects have now completed, a further 9 projects are active and being delivered by Keele researchers, 3 new projects are in the process of being contracted with Staffordshire SME’s.
* **Supply Chain Development (SCD)** – The SCD component of the programme has now completed all the contracted 217 assists to Staffordshire SME’s.
* **Media and Publicity** – A promotional video has been launched that features Lymestone Brewery. Lymestone have received SEND assistance as part of initial business assists and the 3-month programme. Now that the capital build is in place, we are planning to optimize the use of the SEND by engaging business through tours of the facilities with supporting presentations. The telemarketing campaign launch in Q4 and is starting to produce leads to the programme.
* **RAG Status Commentary** **–** Whilst the capital elements are concluding the revenue elements continue to deliver research objectives. The project has been RAG assessed as amber due to the risk of achieving the job creation target as a direct result of the global pandemic.
 |

|  |
| --- |
| **Progress/delivery update:*** The renewables construction, with 2 wind turbines and 12,000 solar panels being installed on the Keele University campus has progressed well with the PV array and both turbines now generating. Integration of the renewable energy generation assets with the Smart Energy Network Demonstrator is in progress with site acceptance testing of the interface planned for February 2022. The full renewable energy generation capacity of the system has now been achieved.
* Demand for short sharp business assists to provide advice and roadmaps to a zero-carbon future remains high. This has come from all sectors micro to large businesses. We will continue to develop new projects with eligible SME’s in Staffordshire.
* A programme of events and tours will be introduced in Q4 to utilize the smart energy network as a demonstrator facility.
* The negative implications of Covid-19, remains a challenge on business growth. The effect of this on the Programme on job creation is to be further understood.
 |

**Stoke-on-Trent District Heat Network**

|  |
| --- |
| **The lead of the DHN scheme is attending the next SPMG on 1st March, to deliver a presentation on the latest developments.**  |