

Project title: Keele Smart Energy Network Demonstrator – Sept 2022 Q2				
Overall RAG status:			Amber	
Headline:				
<ul style="list-style-type: none">● Capital Build – All works are now complete and are in the operational defect liability phase. Siemens continue to provide support during this period and are addressing a small number of remaining snags and any issues arising during the early operational phase. The sites new renewable energy generation assets are fully operational and have now been integrated with and are being controlled by the SEND system. Processes are in place, including access to various system component helpdesks, for raising any problems that occur during the defect liability period.● CO2 – The SEND system is controlling the Keele renewables and generating CO2 reductions. Q2 2022 has seen a carbon saving reduction of 1,549 tCO2.● SEND RD&I - The SEND continues to receive a high volume of requests for demonstrator tours and assistance. We are managing these requests and disseminating knowledge. Many organisations are searching for solutions to help them to manage and control escalating energy cost. We are providing advice where we are able to.● Two SEND projects have received acclaim in achieving awards. TMT First were awarded sustainable business of the year at the Keele University Breaking the Mould Awards 2022. This achievement was gained for work connected to Li Batteries. Saving the unnecessary use of 100,000 batteries per year, creating 60 new jobs and generating a saving of £1.2m pa. Woolcool were presented with a Queens Award for Sustainability for their product and business approach to sustainability.<ul style="list-style-type: none">○ 3-month projects continue to be developed.○ 38 projects are now contracted with eligible Staffordshire SME’s.○ 20 of the 3-month RD&I projects are completed.○ A further 13 projects are actively working with the SME’s and all are progressing well.○ 5 projects are recruiting researchers.● Three Year RD&I Projects<ul style="list-style-type: none">○ All 16 research projects have been finalised and reports prepared by Associate Researchers● Supply Chain Development (SCD)<ul style="list-style-type: none">○ - All 217 Business Assists have been completed by the SCD part of the SEND programme.● Media and Publicity – A video production has been completed with a SEND SME TMT First. This is being prepared as a SEND case study. <p>SEND has been covered in partner press coverage with NatWest and Newcastle Borough Council.</p> <p>The SEND Smart Energy Monthly Tour is promoted utilising Eventbrite.</p> <ul style="list-style-type: none">● RAG Status Commentary – Whilst the capital elements have concluded 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.				
Financial YTD (LEP capital) spend:			£0.631m	
Financial FY (LEP capital) spend:			£0.631m	
Key Risks # 1	Potential delays to Programme Outputs caused to due to COVID-19.		Risk Level:	Amber
	Mitigation & progress: -Covid 19 has caused a lag in the engagement of SME’s to the programme. The demand remains for RD&I assistance, but delivery has been slowed as a result of the capacity of SME’s engage fully. Thus, lengthening the time to initiate and to delivery projects.			

	<ul style="list-style-type: none"> - Anticipated and currently experiencing delays in engaging and recruiting beneficiaries. - Engage with businesses via online technologies platforms available, events and dedicated visits to the SEND. 		
Key Risks #2	Unable to deliver 440 jobs created as a direct result of COVID-19.	Risk Level:	Amber
	Mitigation & Progress: <ul style="list-style-type: none"> - Disseminate survey to businesses to capture job creation since Programme set up. - Engage with businesses to develop projects with longer term impact and benefit, with follow on opportunities post 3-month and 12-hour project completion. 		
Key Risks # 3	Failure to engage and recruit graduate researchers on 3 month projects.	Risk Level:	Amber
	Mitigation & Progress: <p>We expect to deliver all of our programme outputs by 30th June 2023. However, the phasing of the delivery of the outputs is currently behind schedule due to the COVID-19 impact. We have taken corrective action to accelerate the delivery of the outputs by supporting the delivery team with a Project Assistant. We have also responded to the needs of the SME's by adapting our programme to deliver a flexible responsive.</p>		

Project Delivery – 90 Day Plan (Dates of Deliverables/Milestones in next 90 days).

Progress Update: (key achievements & activity this month; priorities for next period)

- SEND System & Renewables. The SEND system will continue to control the renewable generation and will generate further carbon savings.
- 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 continue. Tours are scheduled for November, December and January. These will continue on a monthly basis while demand remains.
- The negative implications of Covid-19 combined with energy price and inflation remains a challenge on business growth. The effect of this on the Programme on job creation is to be further understood.

End of Year

- All Phase One 3 year and 3-month research projects completed. All 3-year & 3-month projects complete.
- All 217 businesses engaged and delivered outcomes for 12-hour business assists.
- Carbon savings generated and reported for 2022/23.
- Impact survey complete.

City Deal Addendum – Asset Register changes

Please confirm if there has been any change of use, sale or disposal of any items purchased with City Deal Funding by deleting one of the following options as appropriate:

- I confirm that there has been **no change** to the assets as described in the Asset Register appended to the City Deal Addendum

Key decisions required from SSLEP PMB:

Not applicable.