

Ayrshire Growth Deal

National Energy Research Demonstrator (NERD) project



The Team



Lorna Clark- Planning Officer, East Ayrshire Council

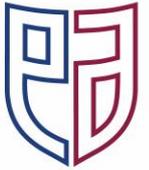
Karl Doroszenko- Development Planning and Regeneration Manager, East Ayrshire Council

Paul Tuohy- Energy Systems Research Unit, University of Strathclyde

Graeme Flett- Energy Systems Research Unit, University of Strathclyde

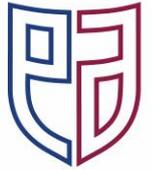
Brian Cross- Energy Technology Partnership, University of Strathclyde

Housekeeping

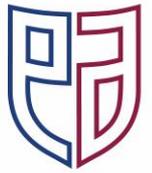


- Fire alarm
- Toilets
- Teas and Coffees are available at the back table
- Finish at 4:30

Format of the session



- 2 presentations- East Ayrshire Council and University of Strathclyde
- Breakout session- 3 tables covering 3 areas of the project
 - Location of the building
 - Energy Information
 - Potential projects of the NERD
- Opportunity to ask questions to the team

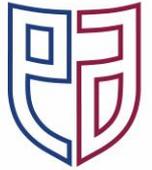


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What is a growth deal?



- Agreements between the Scottish Government, UK Government and local authorities designed to improve areas across Scotland
- Each deal is tailored to its specific region- City deals for cities and regional deals for regions
- Delivered by regional partnerships which include Councils, private sector, education and skills providers (e.g. Skills Development Scotland)
- Aim of these deals is to drive inclusive growth and bring long term change to regions

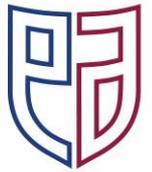
Background to the Ayrshire Growth Deal



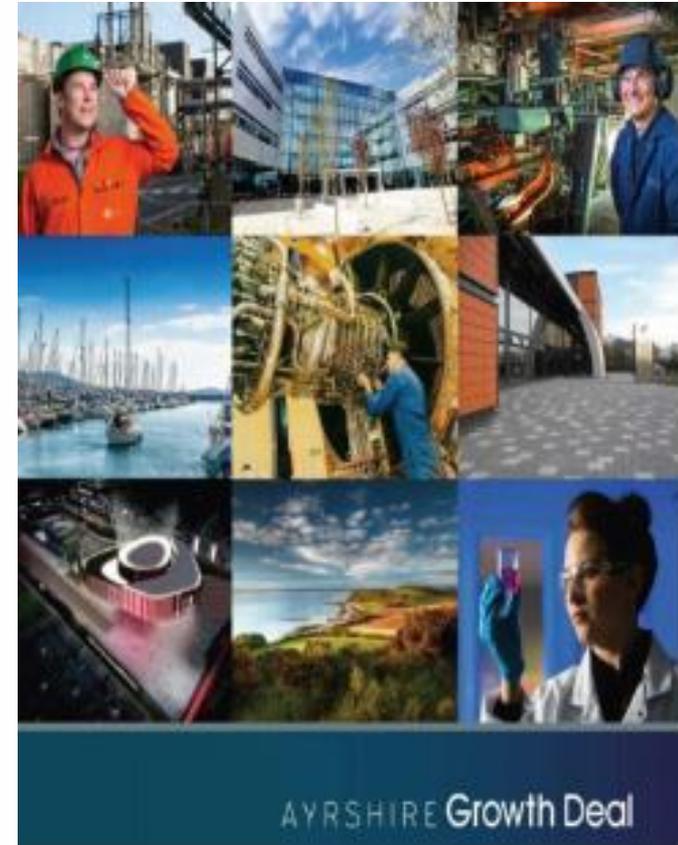
- Three Ayrshire Councils acknowledged the value in taking a regional approach to economic growth and have worked in partnership for many years
- Collectively the three Ayrshire Councils identified the regional priorities which will create the best environment for people and business across Ayrshire.
- Three Councils worked with partners and stakeholders to develop Ayrshire Growth Deal bid which was submitted to UK and Scottish Governments in 2018. This included business cases for the proposed projects.



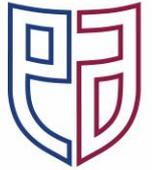
Vision for the Ayrshire Growth Deal



“A vibrant, outward looking, confident region, attractive to investors and visitors, making a major contribution to Scotland’s growth and local well-being, and leading to implementation of digital technologies and the next generation of manufacturing”



Ayrshire Growth Deal projects



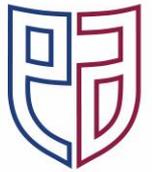
There are 21 projects across Ayrshire with a total value of £251.5 million.

- Ayrshire Engineering Park at Moorfield Industrial Park, Kilmarnock
- Advanced Manufacturing Investment Corridor at Bellfield, Kilmarnock
- HALO project





Spaceport and
infrastructure at
Prestwick Airport



south
AYRSHIRE
COUNCIL



North Ayrshire Council
Comhairle Siorrachd Àir a Tuath

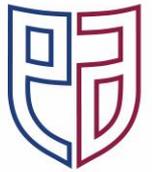
Marine Tourism
at Irvine
Harbourside



East Ayrshire Council
Comhairle Siorrachd Àir an Ear

Proud to be Council of the Year
lese
Awards
2017

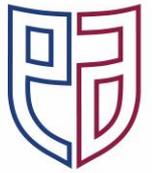
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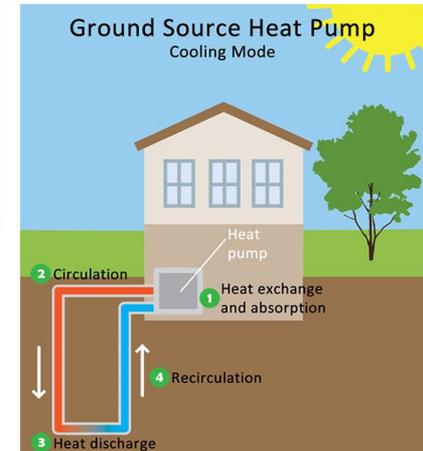
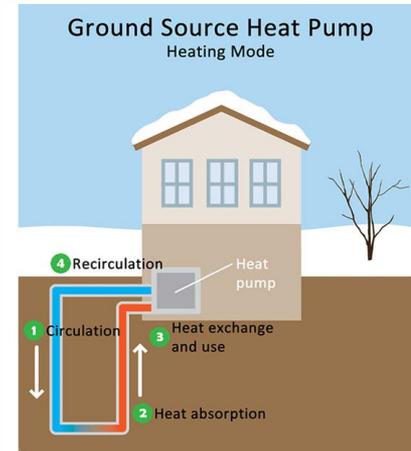
- To make towns low or zero carbon and contribute towards the UK moving to a low carbon society
- Innovative and forward thinking project which will set a new precedent of how we heat and power our homes.
- The project has been allocated £24.5 million with £17 million from UK Government & £7.5million from EAC



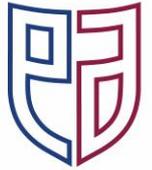
How will the project do this?



- New energy systems will be created which use renewable energy technologies (solar PV, heat pumps, heat from minewater) to heat and power homes and buildings across East Ayrshire.
- It is hoped that communities will be able to generate, store and use their own low carbon energy and will be less reliant on the existing electricity grid.



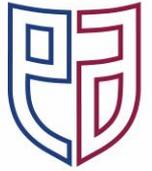
Centre of Excellence



- The project proposes to build a Centre of Excellence which will be a knowledge and demonstrator hub where students and researchers can investigate and trial these new energy systems.
- The building will also house space for businesses to work from and they will be able to feed into the research and provide assistance in trialling the technologies.



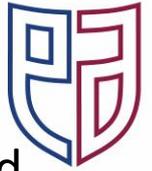
Decarbonising the local transport system



- Examine how to decarbonise the transport system in Cumnock and surrounding area
- Identify opportunities for the use of electric vehicles and charging points will be located throughout the area
- In the long term, this could support tourism in the area

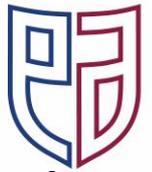


Benefits to the Community



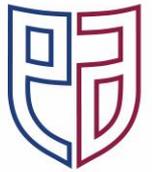
- Communities will be able to generate, use and store their own energy and not be reliant on the existing grid.
- Reduced fuel bills for communities with the introduction of a local energy company
- Broaden and extend job opportunities locally
- New business and investors attracted to the area drawn by the concentration of knowledge and research expertise
- Offer East Ayrshire students a “hands on” experience in STEM education
- Will help towards lowering fuel poverty in the area
- Local communities will benefit from the SMART technologies which are created in the Centre
- Access to alternative low carbon transport- ebuses, EV, ebikes and more path/cycle networks in the area
- Position Cumnock/East Ayrshire at the forefront of creating low carbon technologies which can be used across Scotland and the UK.

Where are we now?



- EAC with support from University of Strathclyde are preparing the Outline Business Case for the project (end of August 2019).
- Once completed, this will be scrutinised by Scottish and UK Government and then approved.
- The funding will then be unlocked and we intend to start the project in 2021.
- There will be a programme of further community engagement in 2020.

We would like to hear your views on the NERD project.



- Feedback forms on the tables
- An online survey available on the Council's website and the link below.

<https://www.smartsurvey.co.uk/s/NERD19/>