



Your Expert  
Decarbonisation  
Partner

LANCASTER  
CITY COUNCIL  
Promoting City, Coast & Countryside



## LEADING THE CHARGE

### The Objective

In 2019, Lancaster City Council (LCC) declared a climate emergency and stated their ambition to be carbon neutral by 2030. This is a challenge faced by many leading organisations, and one that can be difficult to navigate.

### The Challenge for Organisations

There is a confusing plethora of energy efficient technologies and self-styled sustainability "experts", all competing to sell their products and services to help deliver a decarbonisation roadmap. It is very challenging for organisations to cut through the noise and select, fund and implement the right solutions that will genuinely meet their targets and deliver the optimum long-term value and vital carbon benefits.

### Our Approach

With over 20 years' experience helping companies to reinvent the way they think and deliver against their energy objectives, Unify have a truly unique approach to energy. Working in close day-to-day partnership, we identified the Council's single largest CO<sub>2</sub> emitter, historically producing 35% of the authority's natural gas emissions: the Salt Ayre Leisure Centre.



## WHAT WE DID

Secured  
**£6.8million**  
of public sector  
decarbonisation funding

Conducted meticulous modelling and cost/benefit evaluations of a  
**wide range of potential solutions**

Competitively tendered the project packages to specialist contractors - in compliance with the Council's rigorous procurement criteria and governances

Appointed the successful suppliers on industry standard contracts attaching a range of appropriate terms and conditions

Project managed and delivered the solutions in accordance with the designs and specifications - including all aspects of Health & Safety management, cost, contractual and quality controls - **within a highly demanding timeframe**

Prepared a detailed redesign of the Leisure Centre including changes that are cumulatively projected to **save 642 Tonnes of CO2 annually**, the equivalent of heating around 600 homes!

### **These included:**

- Removal of the old gas heating system
- Transformation of the external glazing to reduce energy consumption and improve the thermal efficiency of the building
- Upgrade of the substation to meet the new demands of the Centre
- Installation of air source heat pumps, transitioning to electrically powered heating
- Provision of external LED lighting throughout the car parks and grounds of the site
- Construction of 1.3 MW solar farm on an adjacent landfill site, powering Salt Ayre Leisure Centre with renewable energy

## The Results

The LCC/Unify partnership initiative will reduce Salt Ayre Leisure Centre's carbon emissions to **carbon zero** - amongst the first such achievements in the country.

Unify would be delighted to work with similarly minded local authorities and public sector organisations to meet - and if pertinent, help secure funding for - their decarbonisation ambitions.