

ADVISORY

PETERBOROUGH LOW CARBON SURVEY

PETERBOROUGH





ADVISORY OVERVIEW

Peterborough City Council is looking at its buildings and operations to identify key opportunities for energy and carbon reductions. Norse Consulting was brought in to investigate the top 10 energy-consuming buildings across the council's portfolio, which includes libraries, offices, leisure centres and children's facilities.

“This project is a key element of the council’s Carbon and Energy Management Plan to identify major opportunities across its operations which will support the city on its ambitious journey to become net zero by 2030. Greening its estate will enable the council to continue to take a leadership role in building a climate-resilient local community together with the support of business to develop a strong local energy economy.”

PAUL COCKADAY
ASSOCIATE DIRECTOR:
ENERGY AND CARBON



PROJECT

PETERBOROUGH LOW CARBON SURVEY

Like many councils, Peterborough City Council has declared a climate emergency and is on a journey to becoming carbon neutral by 2030. As part of this move, it is now looking at its own buildings and operations to identify key opportunities for energy and carbon reductions.

Norse Consulting was first brought in to investigate the top 10 energy-consuming buildings across the council's portfolio. These were Bushfield Leisure Centre, Clare Lodge, Hampton Leisure Centre and Vivacity Premiere Fitness, Jack Hunt Swimming Pool, Key Theatre, Peterborough Central Library, Peterborough City College, Peterborough Museum and Art Gallery, Sand Martin House and Vivacity Regional Fitness and Indoor Swimming Centre.

Together, these buildings account for nearly a quarter of all energy consumption across the entire estate footprint.

Via desktop analysis and onsite surveys, Norse Consulting carried out energy funding and application support; feasibility studies, surveys and technical advice and footprint measurement and analysis.

A report was then produced which captures recommendations and solutions, as well as indicative costs, expected benefits and suggested next steps.

The report identified circa 20 per cent energy and carbon savings across the 10 sites and suggested energy savings could be realised through building system improvements. These include replacing dated technologies with low carbon, modern ones to cost-effective fabric improvements, alongside other energy efficiency improvements, such as lighting and controls, to form a holistic building solution.

By prioritising projects and identifying quick wins, the council will now be able to move quickly and secure government funding to finance opportunities for energy and carbon reductions in some of their buildings.



SAND MARTIN HOUSE EXTERIOR

KEY BENEFITS

Norse Consulting's initial analysis supported the next stage in securing Low Carbon Skills Funding from the Public Sector Decarbonisation Scheme.

In addition to the top 10 sites, we looked at other buildings such as offices, depots, and a crematorium, which increased the total amount of estimated annual savings to 5,861,000 kWh, 1,033 tonnes of CO₂e and £420,000 energy bill savings.

This analysis supported Peterborough in building a strong business case for making their own buildings more energy efficient and green.

As well as making significant financial savings, these building improvements will help Peterborough achieve net zero targets and meet wider council objectives in creating sustainable and thriving communities by driving economic growth through green projects, skills and jobs.

Energy savings can be realised through building system improvements such as replacing dated technologies with low carbon, modern ones.



PETERBOROUGH MUSEUM



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