



Project Highlight

Merthyr Tdyfil Council, UK

AMERESCO 

Council Reduces Carbon Emissions and Energy Costs with Conservation Measures

Technology Type:

LED Lighting and Lighting Controls | Time Clocks | Building Management System and Optimisation | Building Fabric Improvement | Solar Power

Facility Size

72,966 square metres

Project Size

£1.09 million

Solar Capacity

200.3 kWp

Annual CO₂ Reduction

251 tonnes



Summary

Merthyr Tydfil Council, the former “Iron Capital of the World,” has a proud industrial history and is in the process of transforming itself into a modern commercial hub. Improving the well-being and quality of life of its young people and local communities are important aspects of this revolution. Further, the importance of reducing carbon emissions is becoming ever more important, with the Welsh public sector committed to net zero by 2030. This project has delivered on both of those ambitions, while providing significant energy cost savings.



Solution

Ameresco and our contractors have safely conducted detailed site surveys across all 31 sites put forward for Phase 1 of this programme, adhering to revised procedures in line with Covid-19. Following these surveys, detailed designs have been developed to provide a full Investment Grade Proposal (IGP). Over the 31 sites, Ameresco proposes to complete seven individual energy conservation measures (ECMs) designed to reduce energy costs, reduce carbon emissions and improve the internal environment of the buildings for their users.

- 30 LED Lighting Upgrades
- 9 Solar PV systems
- Smart heating and hot water systems
- Loft insulation



The importance of reducing carbon emissions is becoming ever more important, with the Welsh Government setting targets for the Public Sector to be Carbon Neutral by 2030. Merthyr Tydfil County Borough Council is using the REFIT Cymru project to optimise the energy efficiency of our properties, to improve the condition of our schools, to reduce CO₂ emissions and to save money. The Council and Ameresco worked in close partnership to ensure the optimal solution was identified, taking the requirements of all stakeholders into account during the process. Following multiple detailed site visits, in-depth data analysis and discussions with occupants of the buildings in scope, Ameresco is implementing extensive Energy Conservation Measures across Council buildings.

David Hughes
Merthyr Tydfil County Borough Council



Benefits

Recognizing the Welsh public sector's commitment to net zero by 2030, this project leverages the REFIT procurement framework. This performance contracting vehicle supports energy efficiency and renewable energy measures, and provides guaranteed cost savings as well as reduced carbon emissions.

- Significant reduction in annual energy and maintenance costs
- Optimal use of MTCBC funding
- Upgrades to aging energy infrastructure
- Extended life and optimised operation of existing equipment
- Improved comfort levels for staff and building users
- Enhanced learning and working environment

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

