



edenseven

Case Study Peterborough City Council

Overview

Peterborough City Council owns a portfolio of several thousand rooftop solar panels that are used to provide renewable energy to their tenants.

In addition to providing obvious benefits in terms of a reduction in carbon emissions with clean energy, the Council also receives income through the Feed-in-Tariff (FIT) scheme. FIT was designed by government to promote the uptake of renewable and low-carbon electricity generation.

The Request

- The Council needed to assess the current value of the portfolio and asked edenseven to develop a model to forecast the predicted electricity usage and corresponding income. The model needed to be:
- Robust and auditable, following industry best practices
- Flexible to allow testing different scenarios and assumptions
- Provide visibility of future quarterly income and cost patterns
- Allow users with limited experience to change assumptions and assess results

Skills & Knowledge

- Understanding of solar PV installations, performance, and cost drivers
- Understanding of FIT tariff schemes and the variables that affect them (e.g., installation date, capacity, RPI)
- Ability to create complex yet robust and user-friendly data models
- Ability to interact with stakeholders to ensure the model captures and reflects the needs of the Council

Outcomes

- edenseven developed a model that met the Council's expectations
- The model allowed the council to assess financial value as well as expected income and cost flows
- Although the initial aim was to use the model to evaluate the portfolio, its flexibility allowed it to be used as a tool to track changes on the portfolio over time