

# Case Study 9

## NDEE Health Service Project

### Introduction

The health board made the decision to invest in energy efficiency measures across their estate in a project worth £650k.

### What was the challenge to be addressed?

As well as implementing energy efficiency measures and realising energy savings, the project also looked to tie in energy saving opportunities that would address backlog maintenance issues, such as ageing boilers.

### What were the key drivers?

To make energy, cost and carbon emissions savings.

### What was achieved?

Taking a 'whole building approach' to energy efficiency, ECMs installed were heating upgrades including boiler replacements and a new heating system for a building as well as high efficiency lighting upgrades across its estate. **Annual energy cost savings of ~£67,000** were guaranteed under the contract with anticipated **annual carbon savings of ~150 tCO<sub>2</sub>e**.

Measurement and Verification activities undertaken in late 2019 validated ECM performance, with annual savings calculated at ~£82,000, a **22% improvement over the guaranteed savings level**.

### Key lessons learned for sharing?

Wider project benefits have also been realised including significantly improved working environments.

