



Gem Utilities
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Kerry County Council & Energy Agency
Co-ordinated Energy Management Programme
Public Sector Winner 2004

In Kerry County Council the energy section monitors energy consumption and efficiency of the Council's activities particularly the water services section. In 1999 Mr. Willie Moynihan was appointed as energy officer with responsibility for the identification, prioritisation and implementation of energy saving measures. The energy officer carries out energy audits, prepares equipment specifications and promotes energy conservation and renewable energy in Co. Kerry through the Kerry Energy Agency.

The work programme focuses on the largest users and has resulted in the upgrade of large water pumps to high efficiency models with variable speed drives saving at least 20%. Other activities include the installation of a 250-kilo Watt Hydro-Electric Plant to provide electricity to the Central Regional Water Supply Scheme; and optimising lighting levels and boiler controls in the County Buildings. The motor tax building incorporates ground-source heat pumps to reduce emissions by 50% when compared to traditional buildings. In the summer the system provides cooling for the building.



Please see case study details below.

Pilot Methodology

The test conditions and methodology were agreed with Kerry County Council. The pilot site was chosen by the client and represented the largest oil use across the estate building portfolio. The pilot was conducted over 14 days.

M2G can be configured to operate in either 'Save' (i.e. days when the M2G is operational and makes savings) and 'Bypass' (i.e. days when the M2G is bypassed and makes no savings) mode. A comparison of the boiler firing periods was made between Save and Bypass days.

Variations in outside temperature were accommodated using industry standard degree day calculations. Ambient room and hot water temperatures were unaffected during the pilot period. All work was managed while working closely with the onsite engineers.

Integrates with Building Management Systems

The M2G integrated seamlessly with the existing Building Management Systems. The majority of M2G installations are in buildings which have sophisticated Building Management Systems.

M2G is listed on the Carbon Trust's Energy Technology List and is approved for London's Green500 initiative as well as listed on the ACA Capital Allowance Scheme in the Republic of Ireland.

