

ENERinTOWN Case Study

Energy use in the South Tipperary County Hall

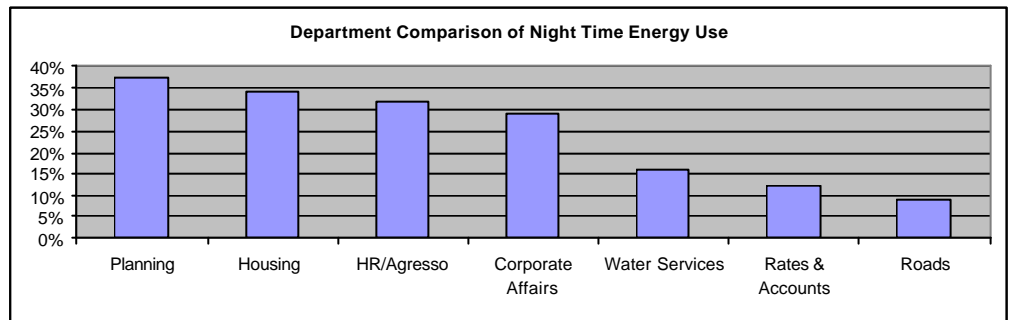
Client South Tipperary County Council Environment/ Housing Section

Overall objective Implementing low cost measures to optimize the use and cost of electricity in the South Tipperary County Hall. There are approximately 250 staff in the county hall that predominantly work in PC based roles.

Object data The office uses energy like a typical office, predominantly IT and lighting based electricity. Space heating with a very low hot water demand is supplied by twin 200kW gas fired boilers

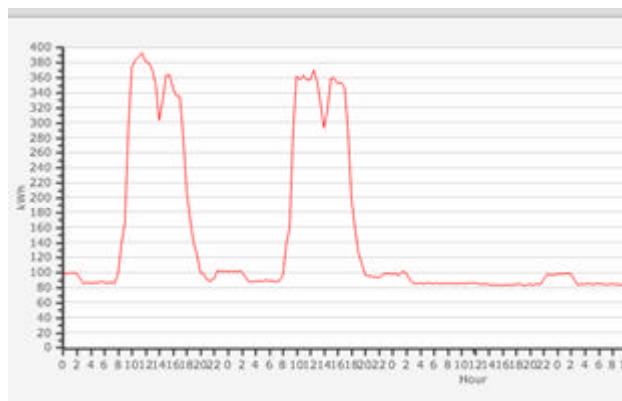


Initial Situation



% of Energy using appliances left on at night time (weighted by electrical consumption) at beginning of project.

Results Achieved to date: The energy monitoring equipment was delayed due to technical reasons, but the current results are showing a base load of less than 26%. Typical good practice benchmarks for office's are in the region of 20%, so the county hall is nearing the better end of the scale, with some work remaining.



Energy use on a typical Thursday to Sunday.

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Measures implemented

- ? Audit and education of each departments energy use.
- ? League tables posted in prominent locations.
- ? PC Settings changed to auto-save and auto power down
- ? Implemented on a pilot basis local desk lighting rather than room lighting.

Measures to implement

- ? Tender for better heating controls to prevent overheating.
- ? Tender for retrofit better insulation in the roof and walls.
- ? IT energy management program

Results

Measures only recently implemented, so cost / CO₂ reduction not yet quantified.

Benefits for the clients

- ? Decrease in energy spend.
- ? Increased environmental awareness.

Assistance provided

Bureascope Ltd (Energy Monitoring data)

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