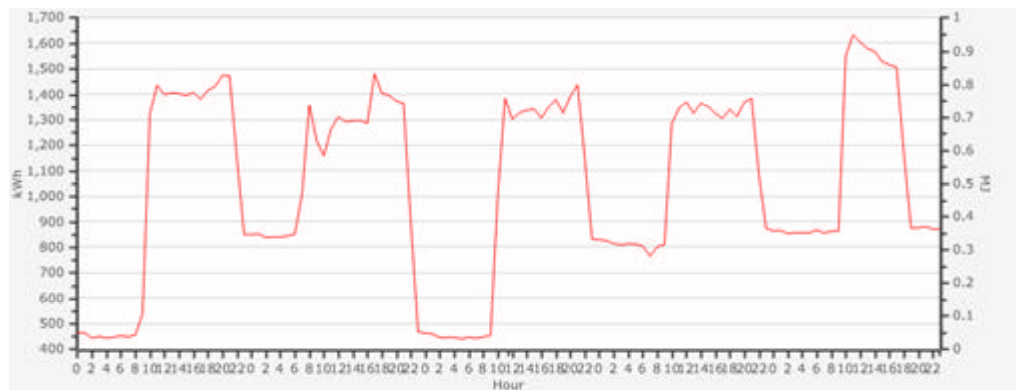


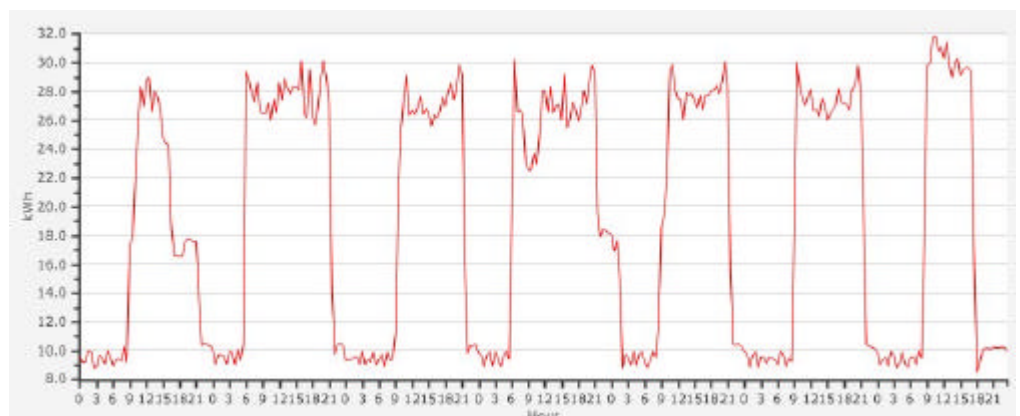
ENERinTOWN Case Study

Energy use in the Nenagh Swimming Pool

Client	Nenagh Town Council/ North Tipperary County Council
Overall objective	Implementing low cost measures to optimize the use and cost of electricity to the leisure center.
Object data	The focus of this case study is to outline the immediate gains that can be realized from the installation of good data collection facilities.
Initial Situation	The pool electricity use can be seen below for a typical August week, starting Sunday at midnight. As can be seen from the difference between the Monday and Tuesday night there is a significant difference in base load. It was identified through the monitoring that some equipment was being left on during the night. On further analysis the difference between the initial situation and having every night at correct base load amounted to over €3,700 per annum. This was solved with the simple installation of a 7-day timer on the air-handling unit. This paid for the full installation of all the monitoring equipment in a matter of months.



Initial Situation (ignore Y – axis numbers) Aug 2007



Current Situation (Aug 2008)

ENERinTOWN Case Study

Realisation model	Energy training was delivered to the leisure centre manager and then a brainstorming session was organized between the TEA and the leisure centre staff.
Benefits for the clients	<ul style="list-style-type: none">? €3,700/ annum saved? Staff trained on energy efficiency? Further work underway<ul style="list-style-type: none">? Power factor correction? Higher efficiency lighting? Lighting Controls: occupancy and day lighting
Assistance provided	Bureascope Ltd (Energy Monitoring data)
Contact	Siona Daly Tipperary Energy Agency Craft Granary Church St, Cahir, Co. Tipperary. +353 52 43090 pkenny@tea.ie