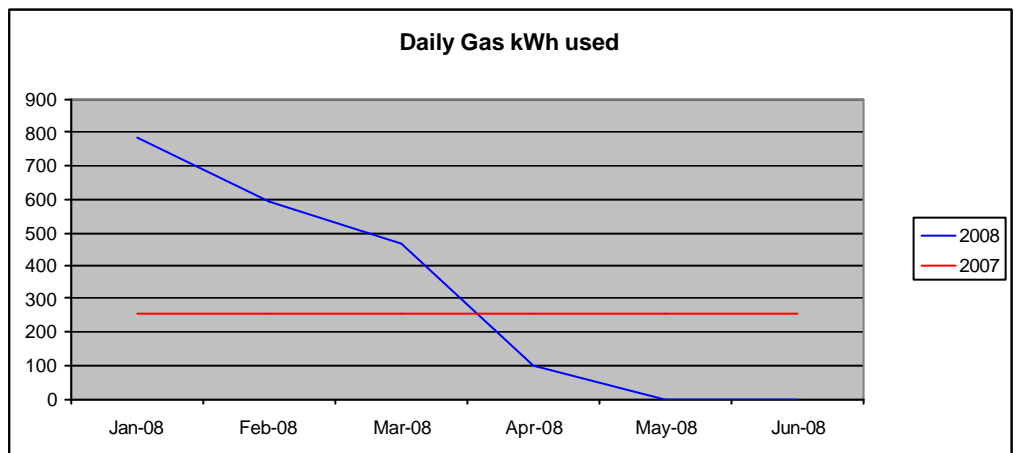


## ENERinTOWN Case Study

### Energy use in the Roscrea Waste Water Treatment Plant

<b>Client</b>	North Tipperary County Council
<b>Overall objective</b>	Implementing low cost measures to optimize the use and cost of electricity to facilitate waste water treatment at the Roscrea Waste Water treatment plant
<b>Object data</b>	The Roscrea Waste water Treatment plant had a CHP that was not commissioned until late last year (Nov 2007). There was an issue with the control system and the heating distribution and these items were fixed over the course of January to March of this year.
<b>Initial Situation</b>	Without accurate metering of this data, it would have been very difficult to get a useful yield and realistic measures for improving the system.



<b>Realisation model</b>	Energy training was delivered to the caretaker of the station and then a brainstorming session was organized between the caretaker, some water services engineers and some energy experts. Once the data was available this was invaluable.
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<b>Measures implemented</b>	<ul style="list-style-type: none"> <li>? Moving the dewatering to night rate electricity</li> <li>? Installation of boiler hot water bypass to eliminate heat losses.</li> <li>? Commissioning the CHP to run on Biogas</li> <li>? Eliminating the blockages to biogas production.</li> </ul>
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<b>Results</b>	The.
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<b>Benefits for the clients</b>	<ul style="list-style-type: none"> <li>? €0,0/ annum saved</li> <li>? Staff trained on energy efficiency</li> <li>?</li> </ul>
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## ENERinTOWN Case Study

**Assistance provided**                      Bureascope Ltd (Energy Monitoring data)

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