

ENERinTOWN Case Study

Energy use in the Rossadrehid water Treatment plant

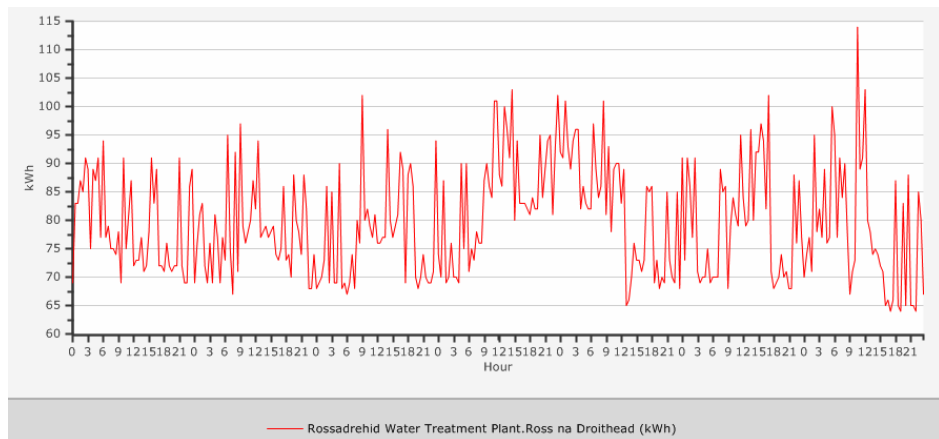
Client South Tipperary County Council

Overall objective Implementing low cost measures to optimize the use and cost of electricity to facilitate lower cost water treatment.

Object data The plant sits on the side of the Galtee mountain range and is fed from a corrie, or mountain lake approximately 50 meters above the plant. As such a feasibility study is underway for a small hydro station to supply power for the plant. The plant is relatively new and has the lowest energy consumption per m3 of water treatment plant in co. Tipperary. There were no easy fixes for low cost measures.

The only obvious measure that was identified is to move the backwash pumping (noted by spikes in the energy trace) to night time where possible.

Initial Situation



Realisation model 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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