

Energy Management the Chelmsford way



Cabinet approved plan

- Focusses on being flexible
 - **“The right project at the right time”**
(solar PV, LED refurbishments, Leisure centre redevelopment)
 - **“The right people with the right skills”**
(Maintenance regimes, energy audits)
 - **“The right information to the right audience”**
(BMS, Premises Managers group, Contractors)

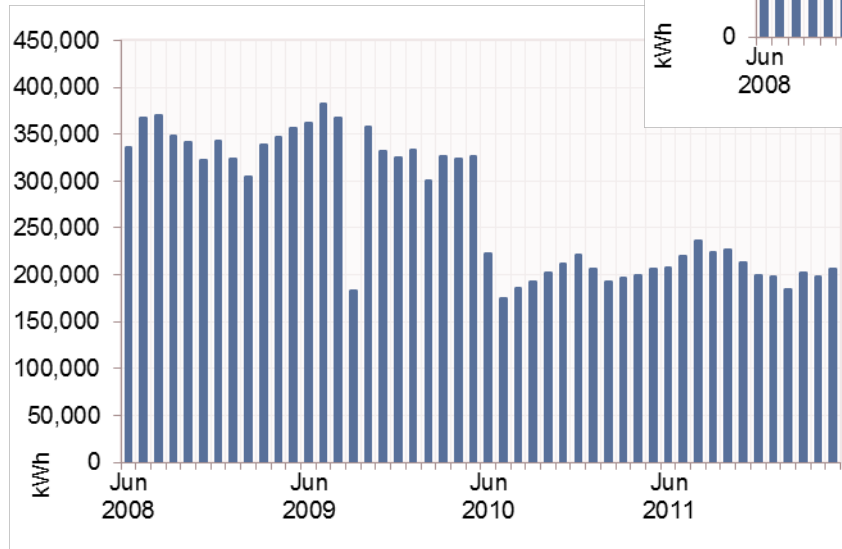
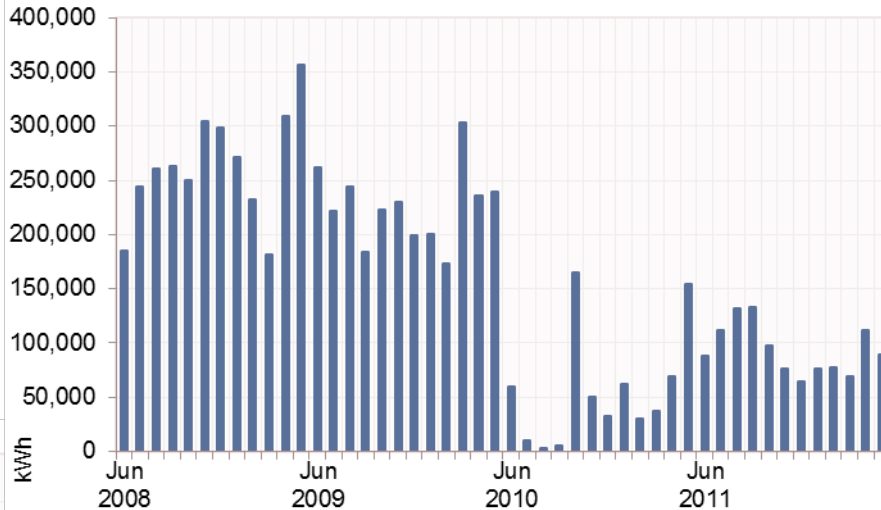
CHP case study

- Leisure centre in Chelmsford City Centre
- Highest consumer of energy in Council portfolio
- Total annual energy bills in excess of £250,000
- Previous large energy saving project on ice rink
- Unreliable and aging CHP plant
- Opportunity to look at other areas of aging plant and equipment



CHP case study

Electricity from the grid



Total electricity use of site

CHP case study

Feasibility study which looked at wider options for the site:

- Reintroduction of heat recovery coils
- Replacement pumps
- New boiler
- New CHP plant (correctly sized)



Car park lighting upgrade



- £7,000 per year electricity saving at two sites
- Lower maintenance costs
- Brighter and better experience



Solar PV



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CHP cont....

Think about:

- Future energy demand of the site
- Change of fuels
- Operational hours of the building
- Hire or purchase of CHP plant
- Maintenance costs/ options
- Acceptance of risk of loss of profits/ savings
- Claim CCL back for your gas used to fire the plant (contact CHPQA)
- On site monitoring of unit