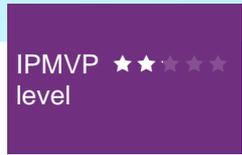


Organisation: Severn Trent Water
Sector: Water, utilities
Services provided: Energy Champion training
Provider: JRP Solutions
Achievements:

- Greater team cohesion
- Improved engagement with energy saving
- Better understanding of specific technologies
- Production of a 'live' energy action plan
- Over £100k potential savings identified as part of the course



The Customer

Severn Trent Water serves eight million people across the Midlands and mid-Wales using around 900GWh (gigawatt hours) of electricity across 6,000 sites every year which equates to a bill of around £100m.

Objectives

STW's business objectives commit to a reduction in energy consumption year-on-year. A programme of large capital projects will achieve only part of this. There was recognition in the organisation that the other part needs to be achieved through changes to everyday behaviour and that this is where Energy Champions in their own work area could make a difference in rolling out and sustaining behavioural change initiatives with the aim to achieve energy reduction.

Services provided

As part of a wider energy efficiency strategy, JRP prepared a bespoke Energy Champion training programme for a select group of 20 people with different skill levels and experience. Severn Trent Water have a dedicated energy management team and this training was targeted primarily at that team.

Key skills covered

The training focused on equipping people with the skills to:

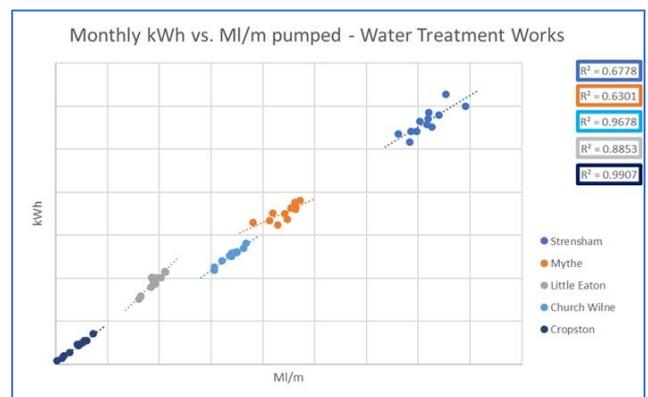
- Encourage colleagues to minimise energy consumption at all times through vigilance in the use of all utilities
- Maintain team awareness of the many good reasons to reduce usage
- Understand how energy is used and how it can be wasted
- Complete energy audits and report findings
- Raise and assess new energy reduction ideas

- Develop and support energy reduction improvement programmes, campaigns and initiatives



Programme content

The seven-day programme was delivered by a number of JRP energy experts with specialist partners, one day at a time, each day at a different site, over a period of five months. Following a general introduction to what energy is and how the use of energy impacts the environment, the content was specifically tailored to the technologies and work areas of Severn Trent Water.



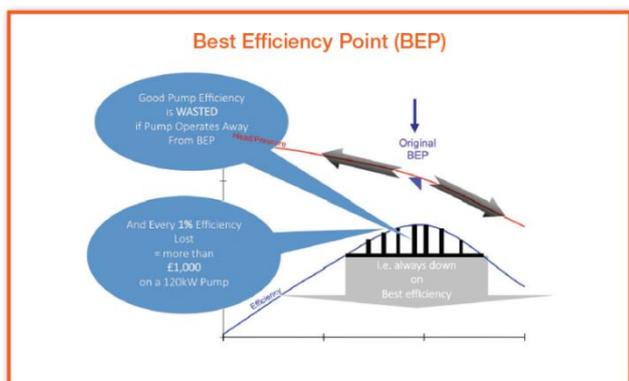


Training content on air blowers was provided in conjunction with specialists Air Technology, and energy efficiency verification content was provided in conjunction with EEVS. Delegates sometimes worked in a classroom, sometimes in their own work environment to relate the course content to a real context.

As part of the programme, delegates worked to create an Energy Action Plan which the course tutor guided delegates to progress over the duration of the course.

Course modules included:

- Tariff and energy costs review
- HVAC
- Lighting
- Electrical services
- Compressed air
- Engagement & motivation
- Renewables
- M&V plus building The Financial Business Case
- M&V post project reviews (IPMVP)
- Process energy (Incl. heat recovery)
- Pumps and pumping
- Blowers



Results

Over £100k of potential savings were identified during the training programme.

Delegates said that the training was clear, easy to understand and interesting and **100% said it would change their approach to using energy at work** and that they would be likely to recommend the programme to others.

Management and delegate feedback from the course was extremely positive.

“Understanding the size of the prize helps us prioritise resources.”

“I really enjoyed the session today.”

“Today was very useful!”

Delegates were issued with a course manual with a summary of the course content, including a calculations worksheet, and a CPD certificate.

Howard Perry, STW Energy Manager said:



“The programme catered really well for a wide range of energy experience, from dedicated energy project managers to frontline operators. The understanding we gained and the exercises we worked through together have helped us find and

deliver energy savings and helped hone the skills we need to manage energy well. It also turned out to be a great team building exercise for everyone involved.”

If you would like to speak to JRP Solutions’ energy experts about Behaviour Change Programmes, Net Zero, ISO 50001, energy compliance or energy training, please call 0800 6127 567 or email George.richards@jrpsolutions.com