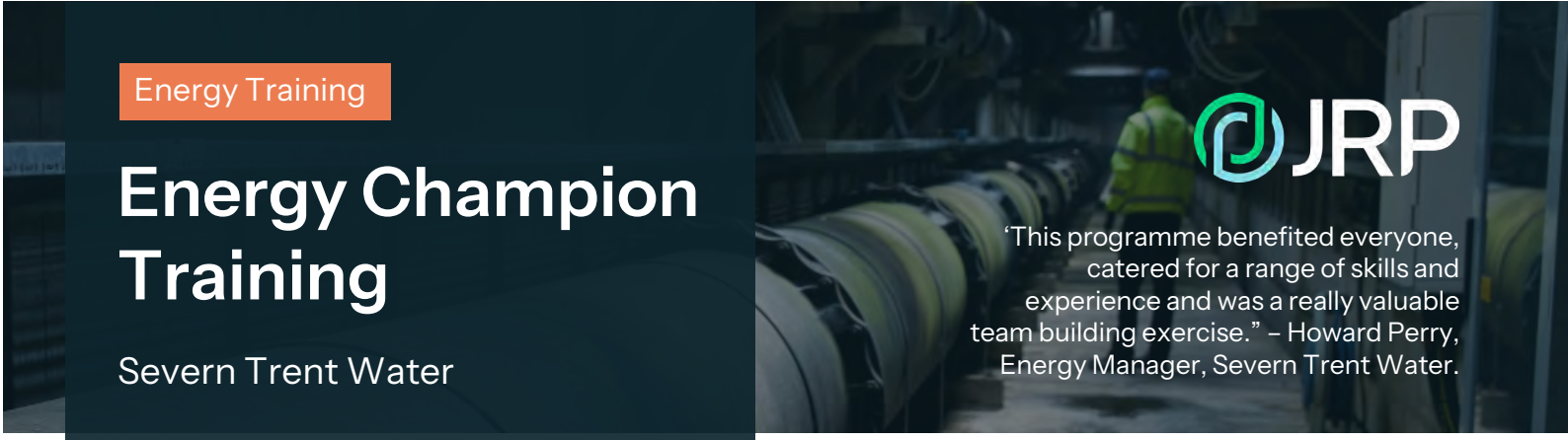
Energy Training

Energy Champion Training

Severn Trent Water



'This programme benefited everyone, catered for a range of skills and experience and was a really valuable team building exercise." – Howard Perry, Energy Manager, Severn Trent Water.

Industry: Utilities

Benefits achieved

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.

Overview

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.

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 is 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.

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

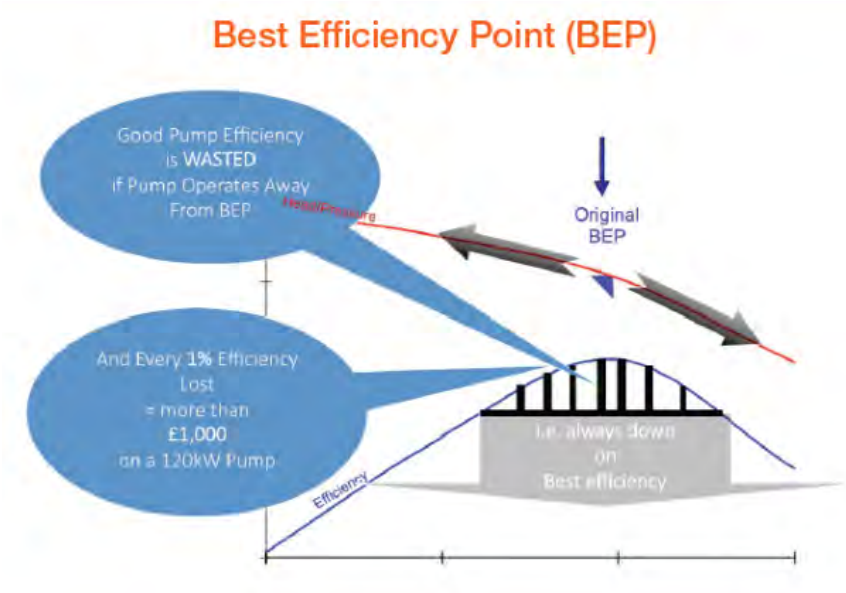
The seven-day programme was delivered by a number of JRP energy experts with specialist partners, one day at a time, each day at a different site, over a period of five months. Following a general introduction to what energy is and how the use of energy impacts the environment, the content was specifically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



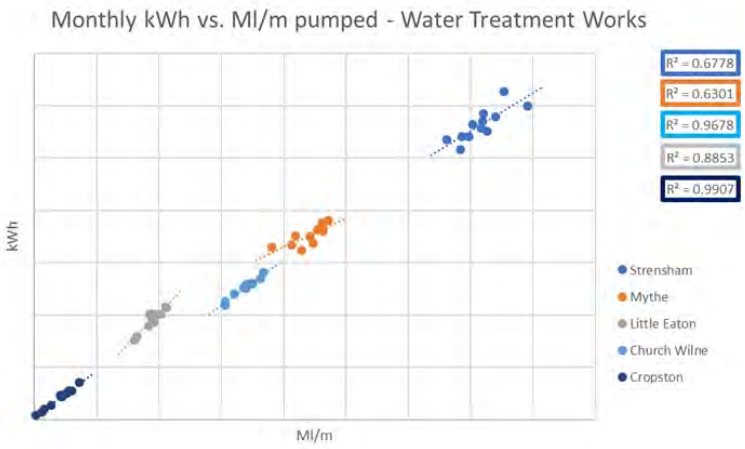
Results

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!"





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."

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.

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

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

To speak to an expert about Energy Champions Training or find an Energy Training course that's right for your organisation, give us a call or book a consultation on our website.