



Esk Energy (Yorkshire) Limited

A Registered Society, no. 30534R
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Annual Report: April 2016 - March 2017

Generation

We are continuing to generate broadly in line with expectations but were slightly under our annual target in the year. Between April 2016 and March 2017, we exported 107,874 kWh of electricity to the National Grid. According to DECC, 0.542 Te CO₂ is saved per MWh of electricity produced, therefore we saved 58.5 Te CO₂ during the year.

Return to shareholders

During the year we paid, as planned, approximately £40,000 in capital repayments and interest on our loans. The interest and capital repayments are then used by our funders to fund other community and renewable energy projects. The Directors have decided to make a payment at a rate of 2% on Ordinary members' share capital for 2016-17.

Strategic and operational management

We were delighted to welcome David Curtis as a co-opted Director to help us take a more strategic view. Following working with us over the last year, David has agreed to stand as a Director at the AGM. We also welcomed the addition of two members to our operations team which has helped spread the tasks in monitoring the turbine daily via the Internet and undertaking weekly site visits.

Working with the fishing community

The Environment Agency research project to monitor the migratory fish movements at Ruswarp has now been completed and the conclusion was that: "*The comparable overall passage efficiencies pre- and post-commissioning indicate that overall passage through the site has been maintained.*" The final report was published in December 2016 and can be accessed via our website - <http://bit.ly/Ruswarp-fish-passage-report>

Promoting community energy

In May, we welcomed teams from senior schools in the Whitby area participating in the Whitby Rotary Club's Senior Engineering competition to site for a tour, to hopefully inspire our engineers of the future. In June, we gave a short talk to the entrants of the Whitby Rotary Club's Primary Schools competition as they explored the ancient Greeks and electricity. Later in June we welcomed the Cleveland Institution of Engineers to tour the site. August saw us with a stall at the River Festival and in September, we offered a site tour as part of Community Energy Fortnight.

In 2016, Esk Energy successfully applied for a grant from the Ernest Cook Trust to undertake a project with Ruswarp C of E Primary School to help them develop their literacy and numeracy skills by exploring how we generate electricity from their local river. We visited the school to work with groups of key stage 2 children followed by visits to the site for the children to see the turbine in action. We developed two sets of resources to support literacy, numeracy and science for lower and upper key stage 2. [<http://whitbyeskenergy.org.uk/key-stage-2-resources-for-schools/>]. We also built a model to demonstrate how the turbine works.

The project team

During the year, the Whitby Esk Energy project team consisted of the Directors: Colin Mather, David Curtis (co-opted), Mike Ford, Sarah Stead. The Directors were supported by Cal Moore, Caryn Loftus, Dave Moore, Debbie Trebilco, Mike Barnard, Mike Loftus, Peter Backhouse, Piers Elias, Rory Newman, Sue Thomason, Susan and Stephen Larkin.

2016-17 in pictures

