



Esk Energy (Yorkshire) Limited

A Registered Society, no. 30534R
Contact: Colin Mather, T: 0741 0549 833
E: admin@WhitbyEskEnergy.org.uk
W: www.WhitbyEskEnergy.org.uk

Esk Energy (Yorkshire) Limited

Annual Report: April 2017 - March 2018

Generation

We have been generating for five full financial years now and have just had our best year's generation, despite several technical issues that our team was able to quickly overcome. This was due to a particularly wet year and we generated more than our annual target for the year. Between April 2017 and March 2018, we exported approximately 142,072 kWhs of electricity to the National Grid. According to DECC, 0.542 Te CO₂ is saved per MWh of electricity produced, therefore we saved approximately 77 Te CO₂ in 2017-18. July 2017 saw us reach the 500 MWh milestone.

Return to shareholders

During the year we paid, as planned, approximately £31,000 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. As in 2015-16 and 2016-17, the Directors decided to make a prudent payment of 2% on Ordinary members' share capital for 2017-18.

Fish passage

Hull International Fisheries Institute (HIFI) have had a paper and presentation about the research they undertook at Ruswarp accepted at the First International Symposium on Hydropower and Fish Management (alongside Fish Passage 2018 - International Conference on River Connectivity) in Albury, Australia in December 2018. The paper has been accepted for the special issue of the journal Marine and Freshwater Research that forms the proceedings of the symposium. Jamie Dodd, HIFI's PhD student, who worked on the Ruswarp project was awarded his PhD this year - his thesis was entitled Assessment of passage efficiency: the influence of species behaviour and pass location on fish pass performance and also incorporated the Ruswarp study with studies on fish passes at Rodley (River Aire), Eshton (River Aire near Gargrave) and Ripon (River Laver). HIFI are also continuing their research into Hydropower and Fisheries in the EU Horizon 2020 project Fish-friendly Innovative Technologies for Hydropower - "FIThydro".

Promoting community energy

In April we gave two teams of North York Moors National Park Apprentices a tour of the site. Following the tour, they helped our team of volunteers to thin out alder saplings and sort the debris that has been cleared from the inlet screen. July saw our annual open afternoon as part of Community Energy Fortnight and a group from Scarborough U3A visited in November.

The project team

During the year, the Whitby Esk Energy project team consisted of the Directors: Colin Mather, David Curtis, 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.

2017-18 in pictures



500 MWh reached in July 2017



NYMNP apprentices visiting in April 2017

