



Esk Energy (Yorkshire) Limited

A Registered Society, no. 30534R
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Esk Energy (Yorkshire) Limited

Annual Report: April 2015 - March 2016

Generation

During April 2015 - March 2016, we exported 118.647 kWh of electricity to the National Grid. During the build stage, we estimated the carbon footprint of the installation to be 150 tonnes (Te) of carbon to cover the CO₂ used for things such as production, transport and concrete in the installation. According to DECC, 0.542 Te CO₂ is saved per MWh of electricity produced, therefore we needed to generate 276.7 MWh to cover the CO₂. By the 19th November 2015, we had paid back the carbon used in the production and installation of the turbine.

We have now reached a settlement with our installer, JN Bentley, in acknowledgement that we are currently only able to generate a maximum of 44 kW rather than the expected 50 kW. We can now concentrate on running our community hydro scheme and helping people explore how electricity can be generated from a renewable source.

Return to shareholders

During the year, we have paid interest on our loans and repaid some of our capital. The interest and capital repayments are then used by our funders to fund other community and renewable energy projects. The winter rain has meant that even though last summer was very dry, we have exported more than our annual target in the year, therefore the Directors have decided to make a payment at a rate of 2% on Ordinary members' share capital for 2015-16.

Operating and maintaining the site

The Esk Energy operations team monitor the turbine daily via the Internet and undertake weekly site visits plus additional visits in the autumn when needed for clearing leaves from the screen. We have a service contract in place with Spaans Babcock Ltd.

Working with the fishing community

During the year we continued to actively support a forum overseeing the monitoring taking place to ensure that fish are not adversely affected by the operation of the turbine. The monitoring reports and minutes from the meetings are available on our website.

Promoting community energy

In September 2015 we gave a talk to the Whitby Civic Society and then in the November, had a site visit and talk entitled 'Calling All Engineers (and Aspiring Engineers)' for those interested in hearing about the history of the Esk Energy community turbine from an engineering point of view. In the next 12 months we intend to develop our work with schools.

The project team

During the year, the Whitby Esk Energy project team consisted of the Directors: Colin Mather, Mike Ford and Sarah Stead supported by Caryn Loftus, Dave Moore, Debbie Trebilco, Mike Barnard, Mike Loftus, Peter Backhouse, Peter Jones, Piers Elias and Stephen Larkin.

21ST November
Visit
Whitby
Esk Energy

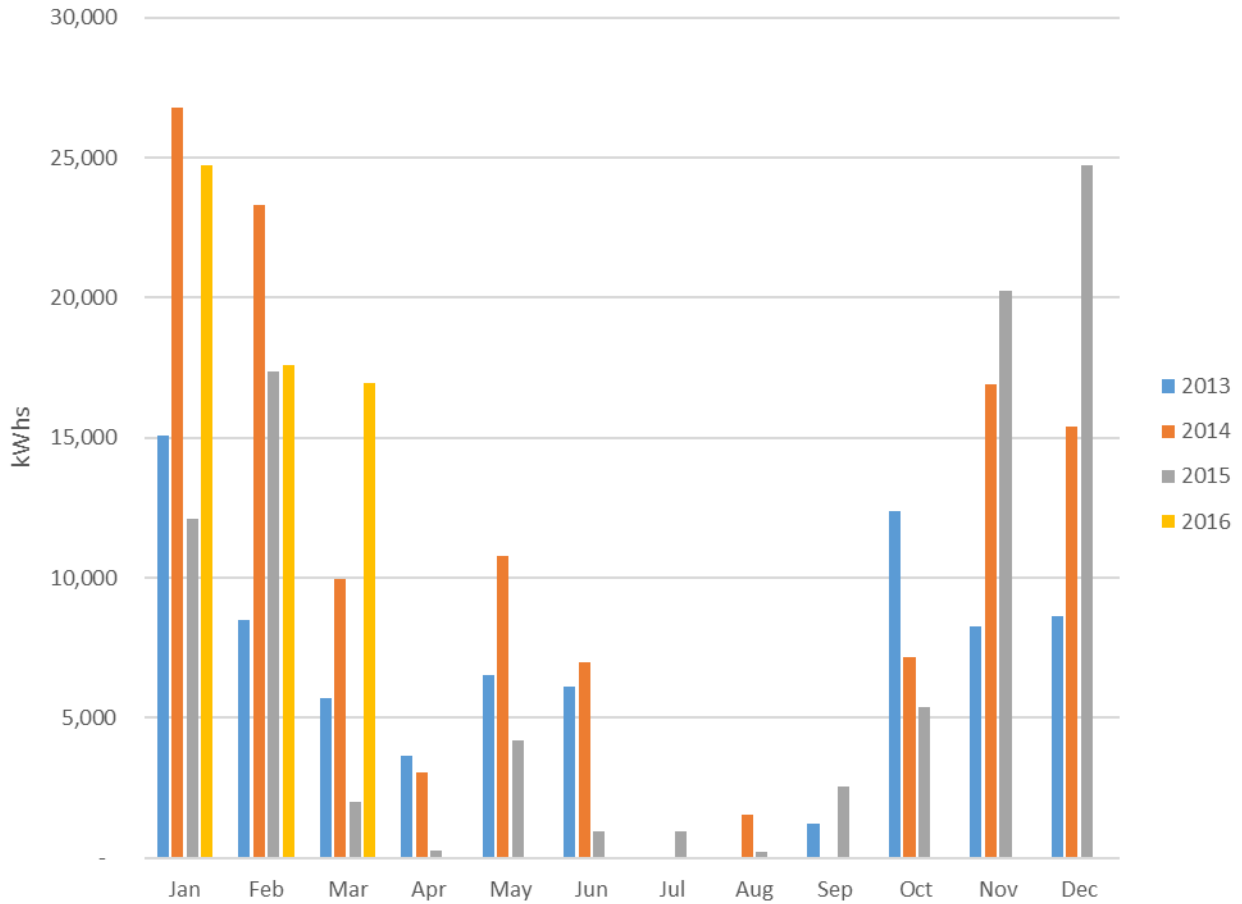
Calling all engineers (and aspiring engineers)

We invite you to visit our site at Ruswarp, near Whitby, to hear the history of our community hydro-electric scheme from an engineering point of view.

Site visit and talk
2 - 4 pm
To book a place:
T: 07410 649833
E: admin@whitbyeskenenergy.org.uk

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Esk Energy electricity export - monthly comparison to 31st March 2016



Esk Energy cumulative annual electricity export to 31st March 2016

