

## **Esk Energy (Yorkshire) Limited**

### **Annual Report: April 2022 - March 2023**

In December 2022, we celebrated generating renewable electricity for ten years from the River Esk, near Whitby with a well-attended event for shareholders and supporters. This significant milestone was a great achievement for the team running our community hydroelectric scheme. Over the ten-year period we have generated 1,102 MWh which saved approx. 368 tonnes CO<sub>2e</sub><sup>1</sup>.

Between April 2022 and March 2023, we generated 91,275 kWh of electricity which is below the mean annual output over the ten years of approximately 110,570 kWh. This was due in part to the very dry summer of 2022 and a bottom bearing failure which led to a period when we couldn't generate in late January/early February. Fortunately, due to our vibration monitoring system the failure was quickly spotted, and little damage was done. We were able to cover the significant cost of replacing the bearing from reserves.



As well as running the community hydroelectric scheme, the Esk Energy team also help promote the development of community energy nationally through our membership of Community Energy England and taking part in consultations. We held a Friends of Ruswarp Hydro working party during Community Energy Fortnight and hosted two tours for MSc Renewable Energy students from the University of Hull. At our AGM in September, we thanked Colin Mather for his contribution to our strategic management team having been instrumental in realising the vision of our community hydro scheme and helping steer it over sixteen years. We also thanked Mike Barnard who was co-opted as a Director for a year and welcomed Caryn Loftus, our Company Secretary, as a Director.



During the year we paid, as planned, approximately £18,500 in capital repayments and interest on our outstanding loan to North York Moors National Park. The final payment is currently planned to be paid in March 2025. Due to the international energy market in 2022-23, we received higher than anticipated income from our sales of electricity to the grid. The Directors considered the financial health of Esk Energy and decided that they were able to make a payment of 3% on Ordinary members' share capital for 2022-23. The remaining surplus will be kept in reserves, as due to the age of our equipment, we can expect to have other costly repairs in the next few years.

<sup>1</sup> Calculated using data from [www.gov.uk/government/collections/government-conversion-factors-for-company-reporting](http://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting)