

## P40 Ebchester hydropower and engagement/education programme

Theme(s):	A: Conserve and restore river habitat, and adapt to / mitigate for the physical impacts of weather extremes and climate change. B: Improve people's understanding of rivers, catchments, weather extremes and climate change. Increase community participation
Goal(s):	A5: Mitigate for the future impacts of climate change and future-proof relevant projects. B3: Engage widely to educate about river issues and encourage positive behavioural change.

A hydro-power generator would be built into the existing bank/weir at Ebchester, in close liaison with the Environment Agency and Tyne Rivers Trust to ensure no detrimental impacts to the river system. The project would be delivered alongside the redevelopment of the boathouse. The project would be delivered in conjunction with a community education and engagement programme focusing on river ecology and conservation, and sustainable use of environmental resources. Climate change impacts would be explored and potential measures identified to mitigate the impacts of climate change in the local area. A 'How to...' course would be run for local people to find out how to make their own homes more energy efficient, how to reduce their carbon footprint and how to interact with their local river ecosystem as a leisure resource without undermining its quality or sustainability for future generations.

Project Status:	Proposed
Potential Deliverer(s):	Ebchester Boathouse Development Partnership, Environment Agency, Tyne Rivers Trust, National Trust
Estimated Timeframe:	1 to 5 years
Estimated Project Cost:	£100,000 to £250,000
Potential Funding Source(s):	Landscape partnerships, Esmee Fairburn Foundation, Conservation & Enhancement Scheme