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Waterwheel on River Marden
PL/2023/10265

The purpose of the Waterwheel installation is to utilise the energy from the water flow of the River Marden. The Waterwheel Paddles will dip into the river at the river's edge, in order to rotate the Waterwheel, which,in turn, will rotate the Central Shaft, Gearbox and 12 volt Generator The 12v electrical charge will be transferred, to an alternative location on the site, to maintain a Bank of Batteries in a fully charged state. These will then provide light and heat to the property..

The location of the Waterwheel will be adjacent to a Granite Wall, which forms the northern edge of the river, running through the property.

The operation of the Waterwheel will not affect or interfere with the flow of the river, and no part of the Waterwheel or ancillary equipment, will create any pollution.

The Granite Wall is relatively smooth and solid, as the attached photograph indicates, thereby it cannot provide a habitat for wildlife or vegetation. and therefore not be harmful to nature.

The 1.6m high RockWall ,being at a position 1.3m from the river's edge, will screen the Waterwheel from the sight of neighbouring properties.

The Government Environmental & River Authority, based in Blanford Forum, Dorset, have been contacted, and are willing to assist in obtaining an FRA permit; this would be subject to initially obtaining Planning Permission for the project.

I believe this project assists with the push for sustainable energy use.