

DaneRiver Hydropower Services Ltd

Dr M G Rippon

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Before



Feasibility Study

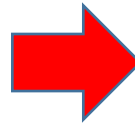
Identified

- River flow rates (actual and historical)
 - $\text{Power} = \text{Head} \times \text{Flow} \times \text{Gravity}$
 - Low variation in flow
- Position
 - good road access
 - available land site for construction
 - Craneage
- National grid access within 100m
- Power generation - good

Feasibility study

Benefits

- Guaranteed renewable energy source
- Installation will last 100yrs plus
- Low CO2
- Little/No environmental impact
- Need to address energy deficit



Hinkley Point in Somerset



Hurdles to overcome



Or Mountains to Climb

ENVIRONMENTAL

RAMBLING INTERESTED PARTIES
SCREW AGENCY CLUB MAMMAL
PERMISSION NEWTS EEL PYE PATH
SPAANS RESIDENTS FLOOD ASSOCIATION
BABCOCK ARCHIMEDIAN WILLIAM
MANWEB GROUND HEAD OFGEM
AUTHORITY FITS RIVER FLOW FISH
PLANNING STUDY FISHING
LEVELS PROFILE

PASS YEAR
FEASIBILITY LOCAL

CIVILS SURVEY

Process

- Local Planning
 - Planning permission, Building regulations
 - Footpaths
- Environment Agency – Abstraction license
 - Flood risk
 - Environmental Survey
 - Fish pass, eel path, mammal path, Newts
- Manweb
 - OFGEM
 - FITs