

Tidal Range Power for Arnside

George Aggidis, Simon Baker and David Howard

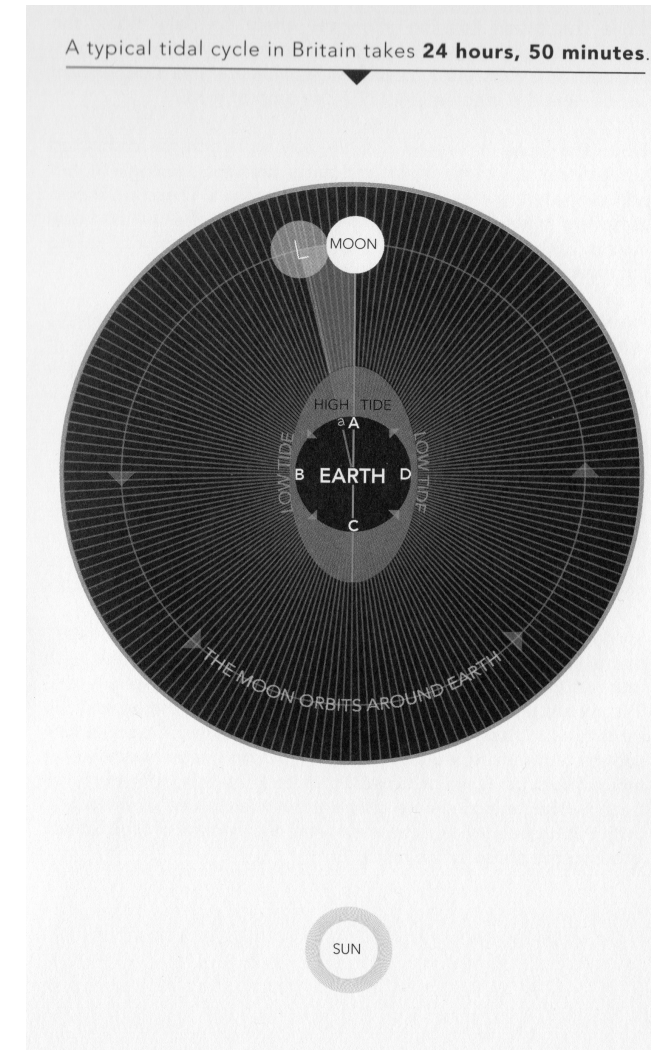


Our remit....

To identify energy available locally from the Bay

- Gravitational pull of moon and sun
- Hydrokinetics
- Semi-diurnal tides
- 6 hours 12.5 minutes from high to low

How can Arnside benefit from this?



From William Thomson (2016) The book of tides. Quercus

Questions

- Who are we?
- What are the issues?
- Where are the options?
- Why do it?
- When is the power delivered?
- How can it be supported?

I keep six honest serving men...
Rudyard Kipling

Who are we?



Professor George Aggidis

PhD, MSc, BEng(Hons), CEng, CMarEng, Eur
Ing, MASME, FIMarEST, FEI, FIMechE, FIET
Energy engineer

Simon Baker

HND, MSC, MSC
Geophysicist, modeller

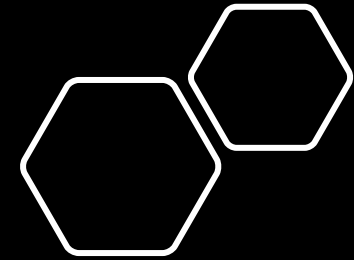
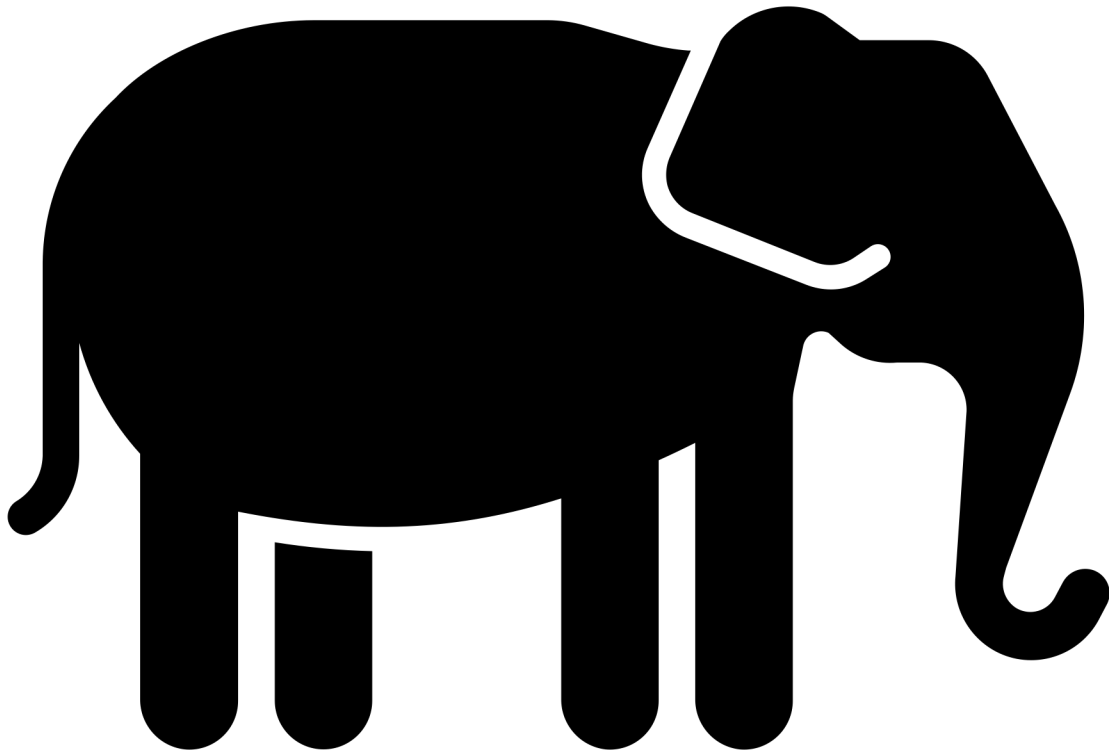
Dr David Howard

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Landscape ecologist

What are the issues?

- [What types of technology are available?](#)
- Where would it be located?
- [Can we generate significant power?](#)
- Is it generated when we need it?
- [What are the environmental implications?](#)
- Is it sustainable?





... a full-scale [barrage across Morecambe Bay](#)



Thank you!