



Mersey Tidal Power Project

Status Briefing

LCR Policy Officers Group - 01 March 2024



A FAIRER
CITY REGION



A STRONGER
CITY REGION



A CLEANER
CITY REGION



A CONNECTED
CITY REGION



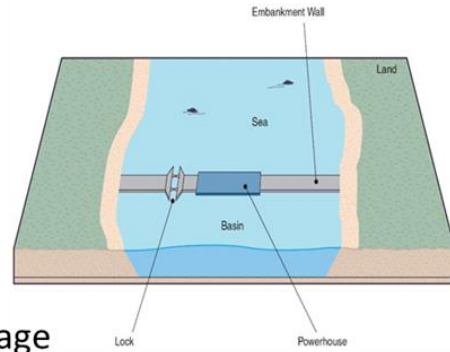
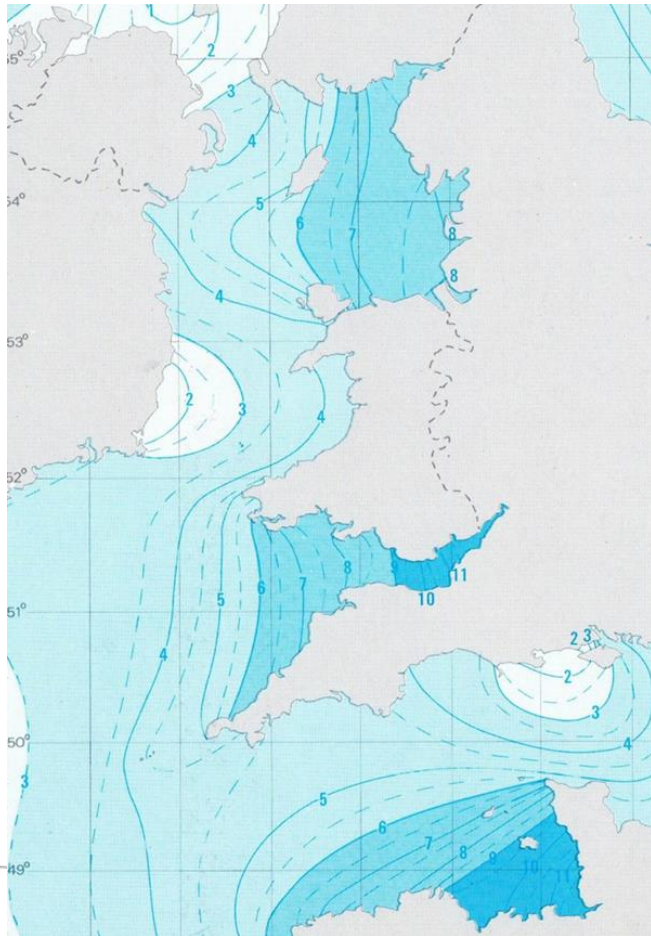
A VIBRANT
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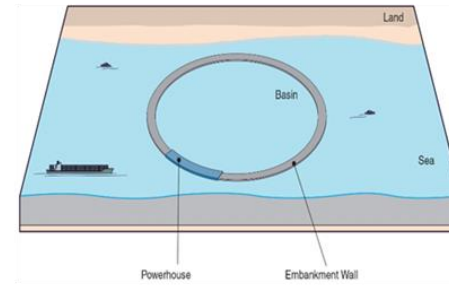
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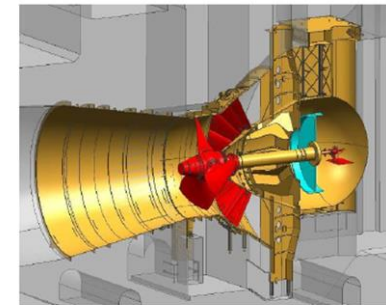
Aspects & Orientation



Barrage



Lagoon





Technical Overview

Project moving from Concept to Development

IT'S TIME  FOR TIDAL



Technical Information - Background

LCRCA are exploring the potential for a Tidal Range Energy Scheme

- Tidal Range works on the difference in height of the tide
- Development work explored Lagoon and Barrage schemes
- Concept work consider schemes from 600 MW to 3,600 MW
- Current studies focused on a Tidal Range Barrage Scheme
- Barrage Scheme Location not selected
- Intent to progress to DCO Scoping Opinion



Illustrative Image of Concept for a Barrage Scheme





Development Business Case

Likely Costs & Source of Funding

IT'S TIME  FOR TIDAL



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Business Case - Funding Sources

Major project with 120-year operating life

- All large-scale UK Renewables have had income support above electricity
- Currently considering a Regulated Asset Base (RAB) Model
- Prefer concept of Public ownership between LCR and HMG
- This is a First of a Kind Renewable Project in UK



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Warrington

Halton

Cheshire West

St Helens

Halton

Flintshire

Knowsley

Liverpool

Birkenhead

Wirral

Sefton

River Mersey

River Dee

The **Mersey Tidal Power Project** is looking to harness the abundant natural marine resource (**tidal range**) within the region and unique shape of the river estuary.

Providing reliable and predictable domestic renewable generation next to our large (and growing) urban and industrial demand