

# **Beyond the Pathfinder Project – What next?**

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**North Wales Tidal Energy**  
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# Hendry Review – Main Conclusions

*Unequivocal support for tidal lagoons*

“The evidence is clear that tidal lagoons can play a cost effective role in the UK’s energy mix”

“There is considerable value in a pathfinder project”

“Tidal lagoons at scale could deliver low carbon power in a way that is very competitive with other low carbon sources”.

“Tidal lagoons would:

- deliver security of supply
- assist in delivering our decarbonisation commitments
- bring real and substantial opportunities for the UK supply chain”

# Hendry Review – Recommendations

- Move ahead with TLP’s Swansea Bay ‘Pathfinder’ lagoon as swiftly as possible
  - ❑ *“No-regrets policy”*
- Build and operate Swansea Bay before financial closure on larger lagoons
  - ❑ *Open-source data and learning from Swansea*
- Develop and publish a **National Policy Statement (NPS)** for tidal lagoons
  - ❑ *Allocate specialist resource to foster the whole industry*

# Hendry Review – Recommendations

- Accept that sea walls be permanent for the purposes of decommissioning plans/costs
  - ❑ *Ongoing maintenance/repair fund*
- Creation of **Tidal Power Authority**

# Hendry Review: TPA's remit

## Tidal Power Authority's Remit (#1):

- *Undertake early project development work*
- *Identify appropriate sites for tidal power development*
- *Conduct environmental assessments*
- *Negotiate with the Crown Estates and land owners*
- *Engage with local authorities and communities*

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# Hendry Review: TPA's remit

## Tidal Power Authority's Remit (#2):

- *Design an optimal tidal lagoon programme*
- *Reflect other energy development*
- *Take into account cumulative impacts (environment/navigation)*
- *Avoid negative consequences for other users/environment*

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# Hendry Review: TPA's remit

## Tidal Power Authority's Remit (#3):

- *Deliver sequential competitions by tender*

### **Plus:**

- *Develop and support expertise*
- *Drive cost reductions through a centre of excellence*
- *Give advice to Government*
- *Promote the UK's tidal power industry*

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# Hendry Review - timelines

- **Swansea Bay Pathfinder Project** – operational from early/mid 2020s
- **Large-scale project** – operational from mid-late 2020s (e.g. 2025-27)

# Hendry Review - timelines

- **Swansea Bay Pathfinder Project** – operational from early/mid 2020s
- **Large-scale project** – operational from mid-late 2020s (e.g. 2025-27)
- ❖ Introduction of new National Policy Statement > 3 yrs from now?
- ❖ Large-scale ( $\geq 2$  GW) = 5 yr inception, EIA to DCO + 6-7 yrs construction  
= 11-12 years project timescale
- ❖ Large-scale project commencement required by 2014-2016 to achieve the timeline so prospectively behind schedule already!
  - *E.g. NWTE: 5 yrs EIA to DCO 2017/18-2021/22; construction 2022-27 ???*
- ❖ Lack of clarity from UK Government resulting in delays.

**Urgent action is required.**

# Post-Hendry Review: The Future?



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# Tidal Power Authority – Issues?

## TPA's Remit

- *Undertake early project development work*
- *Identify appropriate sites for tidal power development*
- *Conduct environmental assessments*
- *Negotiate with the Crown Estates and land owners*
- *Engage with local authorities and communities*
- *Design an optimal tidal lagoon programme*
- *Take into account cumulative impacts*

## Issues?

- Technical expertise & resources?
- On what basis?
- Different sites will have different issues;
- To what standards?
- Conflict with environmental regulators?
- On what basis?
- For what purpose
- Optimal for whom, and on what basis and timescale?
- To what standards and defined by whom?

# Questions to UK Government

## Issues regarding the role of the Tidal Power Authority:

- Its structure, human and physical resources, technical capability
- The timeframe to set it up and deliver first outputs
- The cost to set it up and operate it (likely >£500 million???)
- Legal liabilities relating to its environmental and site studies for prospective developers
- Standards to which work is undertaken to be specified by whom?
- Legal ownership (land rights, *etc.*)

**Thank you  
for your attention**



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