

Backing Britain

Investing in the UK's
energy system



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UK footprint



North Sea oil and gas



Clean cities



CCS



EAST CO₂AST CLUSTER

Hydrogen



Offshore wind



EV charging



UK retail



Solar energy

lightsourcebp



Economic contribution



The UK has been bp's home for more than a century.

In that time, we've helped provide the country with the energy it needs to run.

One of the UK's largest businesses, our activities positively impact many parts of the UK.

in 2022 >

We supported

£20 billion

in gross value-added contributions to UK GDP - equivalent to 0.79% of UK GDP.



We spent

£5 billion

with UK businesses across more than 10,000 contracts.

£4.3 billion

was with 3,000 suppliers of operational goods and services

£730 million was

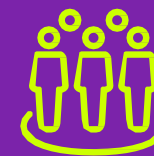
spent with 530 suppliers of capital goods and services.



We supported

~68,000 jobs

directly and indirectly - or one in every 480 people in employment.



Backing Britain



Aberdeen Hydrogen Hub

Katie Butler

Chief Financial Officer

bp Aberdeen Hydrogen Energy Limited



About the bp Aberdeen Hydrogen Hub

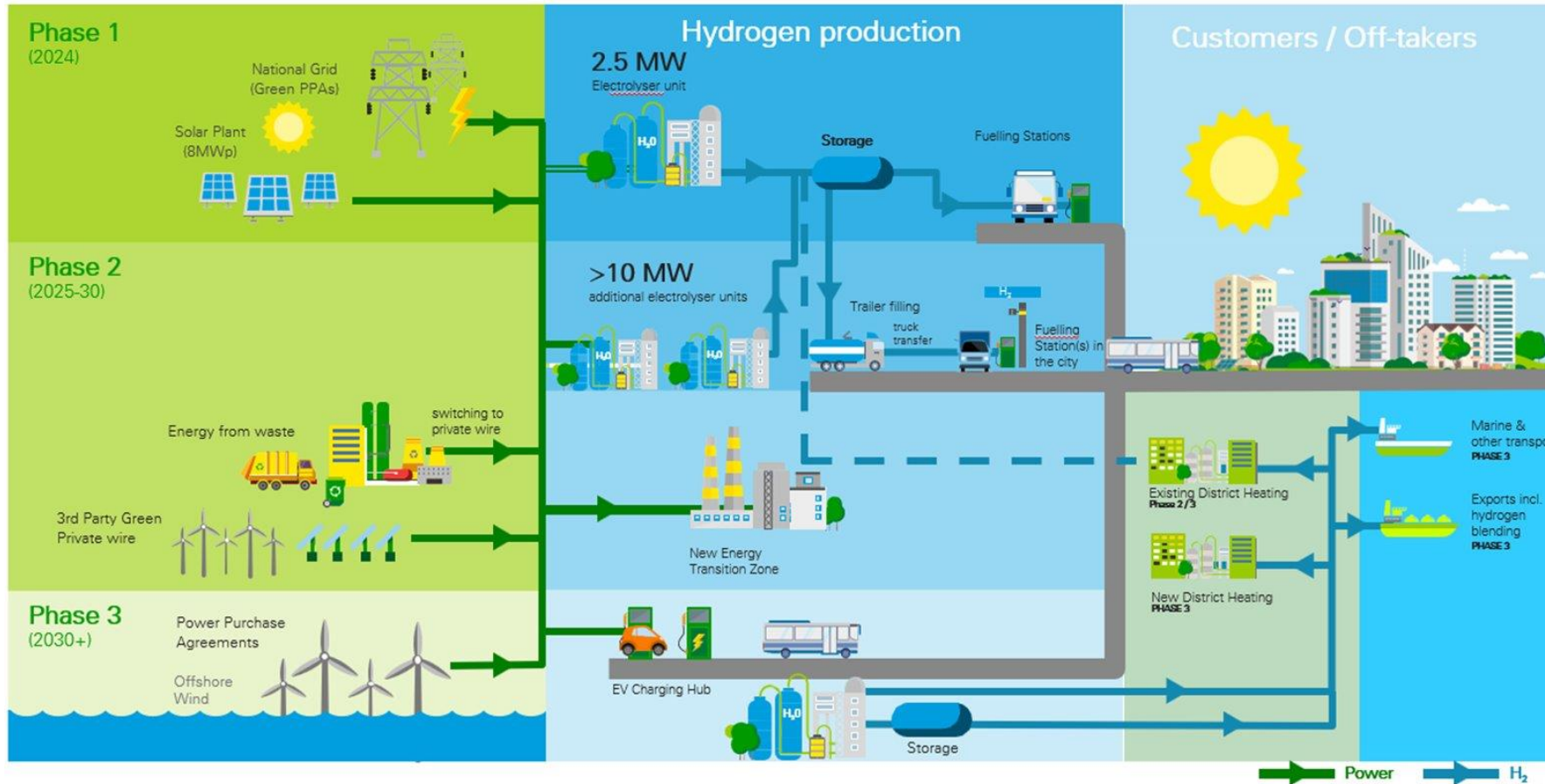
The proposed Aberdeen Hydrogen Hub is a scalable green hydrogen production, storage and distribution facility in the city powered by renewable energy.

Phase 1 of the project would involve building a hydrogen re-fuelling facility for buses, vans and trucks, powered by a solar farm and linked by an underground solar grid connection.

The renewable energy produced by the solar farm will be used to produce green hydrogen via a process called electrolysis which splits water molecules (H₂O) into hydrogen (H₂) and oxygen (O₂).



About the bp Aberdeen Hydrogen Hub



The green hydrogen and vehicle re-fuelling facility are proposed to be positioned at Hareness Road.

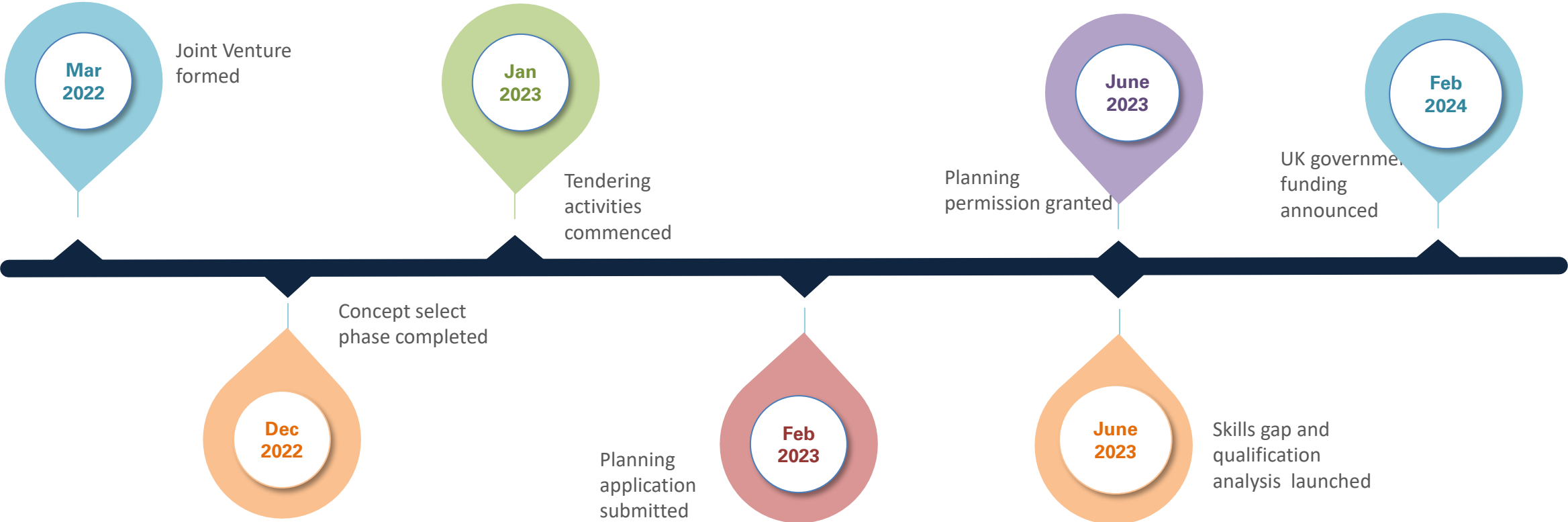
The solar farm would be located at the former Ness Landfill site to the west of the Coast Road.

Future phases could see production scaled up through further investment to supply larger volumes of green hydrogen for rail, freight and marine, as well as supply of hydrogen for heat and potentially export.

Timeline to date



An integrated energy partnership



Main Project Packages:

- Hydrogen
- Electrical
- Solar
- Civils

Transitioning skills & supply chain



An integrated energy partnership



Hydrogen in Scotland
Skills and qualifications gap analysis



Skills and qualifications gap analysis

- Defines what skills are needed
- Assesses the current skills landscape
- Makes recommendations around suitable future skills provision



Hydrogen in Scotland
Building the supply chain



Building the supply chain

- Identifies the gaps in supply chain capability
- Identifies barriers facing suppliers in the hydrogen sector
- Suggests that a range of stakeholders can help address these gaps

Key themes



An integrated energy partnership

- **Supply chain bottlenecks**
- **Transferable skills that are available in Aberdeen and NE Scotland**
- **Visibility of opportunities and projects**
- **Knowledge sharing and development of industry standards**
- **Local supply chain opportunities**

Key recommendations

- Ensure greater visibility of opportunities and upcoming projects by expanding the use of **existing supply chain visibility tools** into the hydrogen sector
- Support the development of knowledge sharing, industry standards and best practice by **adopting established pre-qualification tools and principles** used in the O&G industry
- Support the development of a local hydrogen economy through the **inclusion of local content** provisions

Backing Britain



Thank you

Join us at the exhibition

