

HYBRID 1.0 HyBont Project Meeting

03 February 2023

Attendees: HyBONT Team; WG – [Welsh Government official x2][redacted section 40]

Discussion

[BCBC official redacted section 40] requested that we work together on comms on hydrogen in general due to misinformation

Action: [Welsh Government official][redacted section 40] to liaise with comms colleagues on comms.

Updates

Planning - PAC prep report is in draft and being reviewed. Further discussions with grasshoper building up to comms event in March. Surveys being finalised e.g LVIA and noise.

Market and technical - tender pack
On track, in final stages of developing EPC contract.

Electrical connections - design is currently 5MVA, looking to increase to 8MVA to bring in renewables from east of Bryncethin, discounted doing 11KV connection due to cost.
NGED preparing invoice - probably will look at 8MVA but current offer is 10MVA. NGED are internally discussing way forward, want to set up meeting to discuss options.
Discussions with [Welsh Government official][redacted section 40] on a more strategic discussion with NGED, [NGED employee][redacted section 40]

Key date -

Autumn 2023 need to press the go button with NGED for the work to be done, need to know likely route by April 2023.

Marubeni would need to sign this off for financial approach in July 2023

Q4 2024 - need to have connection in place to coincide with hydrogen production facility.

Final price need end April /May to finalise price of hydrogen to then sign BEIS contract end July 2023.

Higher level discussions with NGED about the strategic nature of the project

Geotechnical studies - now complete; this feeds into the EPC contract. Consolidated information with lawyers.

Basic Engineering (as part of Data Gathering & Refinement of Design)

- Design developed to plan including Process Hazards Review for 5MW (HHV) Hydrogen Production facility (7MW electrolyser)
- Finalised Engineering Design developed incorporating review findings as well as feedback from Supply Chain Engagement
- Risk-based approach from early phase has fast-tracked engineering design, including focus on modelling power supplies with hydrogen demands to increase confidence in power supply, hydrogen production, and storage capacities.

Risk register has not changed - planning still a bigger risk, planning application delayed to March to allow for comms.

Gantt chart updated

Functional spec - taking a little longer, likely to be concluded by early Feb and submitted as part of key milestones.

Milestone 2 Tracker

Stakeholder	Status	Comments
Financial Model Input Data Form Sheet	Complete	Complete
Supporting assessments and all planning application component plans and documents at draft final stage in readiness for pre-application consultation	Complete	Complete
Statutory 28 day pre-application consultation prepared and launched	Complete	Complete
O/H Line and cable routing and design	Complete	Complete
Basic Engineering (Hydrogen Production Facility & Electrical) Design Freeze, associated deliverables: 1) Enabling Works Study & Design (Earthworks) 2) Civils Design (Platform, Road Access, Drainage) 3) Utility and Consumables Summary, Plot Plan 4) Functional Specifications for: Electrolysis, Compression and MP Storage, Hydrogen Refuelling Station, Hydrogen Pipeline (~1km), Control & Instrumentation, Electrical & Utility Systems, Civil & Structural	Ongoing	Ongoing – Further review by various partners (due Early Feb 2023)

Milestone 3 on track

Milestone 3 Tracker

Stakeholder	Status	Comments
Pre-application consultation concluded, reported on and outcomes fed into final assessments and plan		Progressing
Planning application submitted to BCBC for determination		Progressing
Landownership, wayleaves and subsurface infrastructure for the underground sections		Progressing
Tender Pack Ready, associated deliverables: 1) EPC RFP Package: Hydrogen Production Facility 2) EPC Contractor Technical Evaluation report Submission		Progressing
Local Authority 'How-to' Guide including: 1) Planning Approach 2) Hydrogen Technology and Market Capability 3) Electrical Connection Development 4) Basic Engineering Fast-Track Project Methodology inc. Process Hazard Review		Progressing
Complete Financial Model and LCoH		Progressing

No predicted issues with end date.

Resourcing - no change to the team

Marketing and promotion - looking at week com March 5th for comms - focusing on transport and safety. Project website being further developed, aiming for launch before comms event.

Questions:

Is website bilingual? - some of the material will be bilingual.

Action: HyBONT Team to clarify

AOB - demand

[marubeni employee][redacted section 40] reminded us of key deadlines and in order to calculate a price of hydrogen (Key for BEIS application) by end March; need good indication of demand

End of July need something substantial agreement but not clear on how far BEIS are expecting this to go.