

# NATIONAL JOINT COUNCIL for the ENGINEERING CONSTRUCTION INDUSTRY

## POTENTIAL POWER GENERATION PROJECTS

**30th APRIL 2024**

CLIENT	LOCATION	PROJECT	COMMENTS	LAST UPDATED
DOUBLE CLICK ON THOSE CLIENTS UNDERLINED FOR GREATER DETAIL				
<u><a href="#">Abergelli Power</a></u> DRAX Group	Felindre, Nr Swansea	299MW CCGT	<b>£100m capital value.</b> Peak workforce 150. 2 year construction. No new information.	19.4.24
<u><a href="#">Alternative Use Boston Projects Ltd</a></u>	Boston, Lincs	Boston Alternative Energy Facility (BAEF)102MW Gasification EfW Facility	Construction expected to start within 6 months, if consent granted, 48 months construction. Sec of State granted consent 6.7.23. No new information.	19.4.24
<u><a href="#">Belfast Power Ltd</a></u>	Belfast	480MW CCGT	<b>£280m Capital value.</b> Belfast Power Ltd is a subsidiary of Evermore Energy. 700 peak workforce. Details submitted to the Northern Ireland Affairs Committee (NIAC). Funding partners now confirmed. Currently seeking approvals from HSE. Department for Infrastructure has issued a notice of opinion to approve the development. A comprehensive Environment Statement to be submitted alongside the planning application. Awaiting final investment decision. PDE (Project Design Engineers) working with Belfast Power in development. No new information.	19.4.24
<u><a href="#">British Steel</a></u>	Scunthorpe	Electric Arc Furnace (EAF)	<b>£1.25b capital value.</b> British Steel applied for planning permission to build an EAF at Scunthorpe steelworks. If approval granted plant expected to be operational by December 2025. Planning meeting 30.4.24.	29.4.24
<u><a href="#">CGen Killingholme Ltd</a></u>	Immingham	470MW CCGT	<b>£260m Capital value.</b> Consent granted September 2014. Siemens expected to be EPC Contractor. September 2021, C.GEN obtained approval for a non-material change to the development consent order, extending the deadline for implementation of the Project to October 2026. No new information.	19.4.24
<u><a href="#">Drax</a></u>	Cruachan 2	600MW Hydro Storage PS inside Ben Cruachan Hollow Mountain Project Argyll & Bute	<b>£300-£400 capital value.</b> Peak workforce 900. Planning application submitted 17.5.22 and if approved work could start in 2024 and be operational 2030. Comments on proposal directed to Energy Consents Unit (ECU) of Scottish Gov accepted until 9.7.22. On 21.7.23 Scottish Ministers granted consent for the Cruachan Expansion Project. The decision from the Scottish Government allows Drax to progress their ground-breaking plans to build a new c £500m underground pumped storage hydro plant. Operational possibly by 2030. No new information.	19.4.24

<a href="#">Eggborough Power Ltd (EPL)</a>	Eggborough, Goole E Yorkshire	Up to 2500MW CCGT	Eggborough Power Limited ('EPL') is proposing to construct and operate a new gas-fired power station with a gross output capacity of up to 2,500MW. The new gas pipeline would involve land that is not owned by EPL, but in respect of which EPL has negotiated agreement, with the relevant landowners. Subject to financial decision by EPL. Successful in February 2023 Capacity Auction. No new information.	19.4.24
<a href="#">EPUK Investments</a>	Kings Lynn	Kings Lynn 1700MW CCGT 'B'	EP UK have planning permission for a 1020MW PS at Saddlebow but now want to increase to a 1700MW combined cycle. Proposed site is next to the existing Kings Lynn A PS. Awaiting investment decision. Variation consent to 1700MW granted 6.12.18. No new information.	19.4.24
<a href="#">EPUK Investments</a>	Kilroot Energy Park	Multi-fuel combined heat and power facility 440MW	<b>£700m Capital value.</b> Mid and East Antrim Borough Council's Planning Committee has approved an application for a multi-fuel CHP facility at Kilroot PS. Facility expected to be up-and-running by the end of 2025 although currently plans are in early concept stage. Looking at range of other forms of renewable energy inc solar, battery storage, hydrogen and CHP. Siemens appointed as main equipment supplier. No new information.	19.4.24
<a href="#">EPUK Investments</a>	South Humber Bank	EP South Humber Bank RDF Energy Centre up to 95MW	<b>£300m capital value.</b> Site acquired from Centrica 2017. Sec of State granted consent 10.11.21. Peak workforce 600. Plant will have 30yr life. Corrections order came into force 5.4.22. No new information.	19.4.24
<a href="#">General Fusion</a>	Culham, Oxfordshire	Nuclear Fusion Power Plant Waste Free energy	<b>£300m capital value.</b> General announced plans to build a £300m pilot power plant outside London by 2025. Received undisclosed amount of funding from UK Gov. Further funds needed. Jan 2022 GF successfully achieved several aggressive performance goals of a prototype system for its Fusion Demonstration Plant (FDP). GF, Bruce Power and Nuclear Innovation Institute sign agreement to advance a net zero future. South Oxfordshire District Council granted approval on 11.1.23 for a plant demonstrating nuclear fusion technology. No new information.	19.4.24
<a href="#">Graythorpe Energy Ltd</a>	Hartlepool	49.5MW CHP EfW	<b>£230m capital value.</b> Planning application approved by Hartlepool BC in July 2020. £230m capital value. Peak workforce 450. 3yr build. Residents have been consulted with 6 objections. No new information.	19.4.24
<a href="#">Hartlepool Borough Council</a>	Grangetown, Teesside	49.9MW EfW	<b>£300m capital value.</b> Partnership of Darlington BC, Durham CC, Middlesbrough Council, Newcastle CC, Redcar & Cleveland BC and Stockton-on-Tees. Outline planning permission in place. 300 peak workforce. 4 yr construction. Viridor, Suez Recovery Ltd and Green Recovery Projects Ltd, formed when FCC Environment sold 49% of its EfW portfolio to Icon were all in running for contract award worth poss £2b and extend up to 40yrs. January 2023 FCC Environment applied for an environmental permit although the winner of the contract still has not been announced. No new information.	19.4.24
<a href="#">Sev.en Global Investments (formerly CREDITAS &amp; InterGen)</a>	Spalding	645MW CCGT Expansion	Received Section 36 consent in November 2010 with revised consent in October 2015 and latest revised consent in January 2018. Peak workforce 1500. Project is carbon capture ready. Spalding Energy Park made application for an electricity generating licence on 22.9.20. InterGen's parent company concluded the sale of InterGen and its United Kingdom (UK) operations to CREDITAS (Czech Republic co) Group January 2023. 2.2.24 Sev.en Global Investments, a Czech investment group with interests across a range of sectors, particularly in power generation, acquired InterGen business and power plants from CREDITAS Group.	19.4.24
<a href="#">Medworth CHP Ltd</a>	Medworth	EfW CHP 58MW	20.2.24 Sec of State granted consent. No new information.	19.4.24

<a href="#">PMAC Energy &amp; Low Carbon</a>	Energy Plant Redcar Bulk Terminal	Redcar Energy Centre 49.9MW EfW	<b>£300m capital value.</b> 450 peak manpower. Planning permission granted including consent for development of a Materials Recovery Facility. 36 month construction. Redcar Energy Centre now shortlisted to proceed to due diligence stage of BEIS shortlist for Gov funding. 50MW grid connections at Grangetown secured. Project looking to secure local authority contracts. March 2023 NOT shortlisted to proceed to UK Gov negotiations for financial support. Planning to resubmit a bid for the expansion of the E Coast Cluster. Low Carbon and PMAC Energy said that its application for an environmental permit application has been considered “duly made” by the Environment Agency. It is now gearing up to resubmit a bid for the expansion of the East Coast Cluster which is made up of Zero Carbon Humber, Net Zero Teesside and Northern Endurance Partnership. No new information.	19.4.24
<a href="#">Rolls Royce</a>	3 Shortlisted Sites: *Gateway, Deeside *Int Advance Mfg Park Sunderland *S Tyneside Teesworks,Teesside	16 Mini Nuclear Plants 440MW each plan	<b>£2b capital value.</b> Consortium led by RR announced plans to build up to 16 mini nuclear plants creating 6,000 new jobs. Three sites out of 8 shortlisted – Deeside, Sunderland and Teesside. Winning bid promised investment of up to £200m with a creation of 200 jobs. To be awarded contracts Summer 2024 from the Gov £20b package Gov hopes for final investment decision by 2029 to enable reactors to be operational in the 2030’s. RR seen as a favourite due to already being awarded up to £210m funding in 2021. October 2023 Rolls-Royce SMR successfully shortlisted in the first stage of the Great British Nuclear (GBN) Small Modular Reactor (SMR) technology selection process. No new information.	19.4.24
<a href="#">Eren Paper (subsid of Eren Holdings)</a>	Deeside Industrial Park	Shotton Mill Redevelopment CHP 60MW	£600m capital value. Proposals have been split into 3 separate planning applications. Two applications being submitted to Flintshire CC for papers manufacturing and new paper mills. The third is for the CHP which is considered a Development of National Significance and will therefore be submitted to the Welsh Government. Target for manufacturing end Q4/24. Demolition and prep of site already underway. Flintshire CC granted planning permission November 2022. ARUP leading redevelopment. It will be carried out in two phases. The first phase is scheduled to be operational in 2024, creating about 660 new jobs. No new information.	19.4.24
<a href="#">Solar 21 North Lincs Green Energy Park Ltd</a>	North Lincolnshire Green Energy Park, Flixborough	95MW	Deadline for Sec of State to make decision extended again to 10.5.24. No new information.	19.4.24
<a href="#">Tata Steel</a>	Port Talbot		<b>£750m capital value.</b> Tata Steel will commence statutory consultation as part of its plan to transform and restructure its UK business. Port Talbot’s two high-emission blast furnaces and coke ovens would close in a phased manner with the first blast furnace closing around mid-2024 and the remaining heavy end assets would wind down during the second half of 2024. Under the transformation plan, Tata Steel will invest £1.25b in EAF technology in Port Talbot. The proposed investment is supported by the UK Government, which has committed up to £500 million to enable the transformation. Following the announcement, the company will now begin a formal information sharing and consultation process with employees and their representatives on the proposals. The proposed restructuring is subject to a detailed consultation process with the relevant stakeholders, including employees and trade unions.	29.4.24
<a href="#">Tees Eco Energy Ltd</a>	Billingham Reach	Tees Valley Energy Recovery Facility (TVERF) Up to 63MW EfW	This is the first of 3 plants under development at the site. Application made and granted 24.9.18. New permit allows up to 63MW (previously 34MW). Viridor,Suez/Green Recovery project partners with 7 councils. Operations from 2026. The Tees Valley Energy Recovery Facility (TV ERF) has been shortlisted to progress to the next phase of the Government’s Cluster Sequencing Process. March 2023 NOT shortlisted to proceed to UK Gov negotiations for financial support. No new information.	19.4.24

<a href="#">UKAEA</a>	West Burton (Other sites shortlisted to host STEP were Ardeer, North Ayrshire; Moorside, Cumbria; Goole, East Yorkshire; and Severn Edge, Gloucestershire)	STEP Fusion Plant (Home base to be W Burton)	UK Government confirmed W Burton selected as home of the STEP Fusion Energy Programme. Delivery of STEP will transfer to UK Industrial Fusion Solutions Ltd (UKIFS) in 2024. 7.9.23 Statement of support for the UK Gov's new fusion development and commercialisation programme. STEP likely to be a Nationally Significant Infrastructure Project (NSIP) and will be subject to the requirements of the Development Consent Order (DCO) process. (UKAEA) and Kyoto Fusion Engineering Ltd, a Japanese privately funded fusion technology company, have signed a Communication Framework Agreement. The STEP programme will work with a wide range of industrial partners to design and build the prototype powerplant, which will be delivered through a new organisation – UK Industrial Fusion Solutions Ltd (UKIFS). The development of STEP is broken up into phases. The first phase ends in March 2024, by which time the programme will have: Developed a concept design for the integrated prototype plant Selected a site for STEP Established a new delivery body to design and build the plant. No new information.	22.4.24
<a href="#">Uniper</a>	Hoo Peninsula, Medway, Kent	MedwayOne EfW	Regeneration and redevelopment of former Kingsnorth PS Site which will include an EfW Plant along with other commercial and industrial use. Uniper has already received significant interest from potential investors. A number of separate detailed planning applications anticipated for the development of individual parcels of land to be brought forward by investors in the near future. Medway Council granted outline planning permission subject to completion of Section 106 legal agreement between Council & Uniper. No new information.	19.4.24
<a href="#">Uniper</a>	Ratcliffe-on-Soar	EMERGE Centre CHP 49.9MW EfW	<b>£330m capital value.</b> Uniper, owners of Ratcliffe PS, which is due to close end September 2024, submitted plans to Rushcliffe BC. Peak workforce 600. Planning permission granted and construction expected to start 2024 and operational 2026. Before construction works can start, a Construction Environmental Management Plan will need to be submitted to Nottinghamshire County Council for approval. This plan will be informed by Environmental Impact Assessment and will set out how any potential environmental effects will be managed during the construction phase. No new information.	19.4.24
<a href="#">VPI</a>	Damhead Creek 2	Up to 812MW CCGT Part of Project Cavendish	<b>Capital value £500m.</b> Peak workforce 1000. February 2021 VPI acquired 4 CCGTs inc Damhead Creek. The project is currently at the permitting stage. It will be developed in multiple phases. The project construction is likely to commence in 2025 and is expected to enter into commercial operation in 2026. No new information.	19.4.24
<a href="#">VPI Immingham B Ltd</a>	Immingham	299MW OCGT (Part of Immingham Energy Hub)	Successful in capacity auction February 2022. Non-Material changes approved February 2023. MYTILINEOS appointed as EPC contractor with Siemens Energy providing the gas turbine technology. The VPI Immingham project FEED completed. Following announcement on 1.8.23, the project looks forward to the Government providing more detail on the Track 2 emitter selection process. Expected to enter service July 2025. 22.12.23 Application for non-material change 2 to NIP – deadline for representation 1.2.24. Now follows a 6 week period for any challenges. No new information.	22.4.24
<a href="#">VPI Immingham Energy Park A Ltd</a>	Immingham	47MW CCGT (Part of Immingham Energy Hub)	Successful in capacity Auction February 2022. New plants may be converted to hydrogen once industrial scale production is established. Clarke Energy appointed as EPC contractor. Facility due to be operational 2024. No new information	19.4.24