

DEC 4, 2020

## Scottish renewable energy park plans include biomass, AD facilities

Plans have been unveiled to build a large-scale renewable energy park in northeast Scotland, incorporating biomass and anaerobic digestion (AD) facilities.

The energy park, to be developed by Edinburgh-based Holistic Energy, is designed to deliver 150-200 MW of green energy to supply the Scottish grid, with the capacity to power tens of thousands of homes.

It is estimated that 1,500 jobs will be created to build the park, while a further 250 permanent jobs will be created by the operation. Holistic Energy hopes to commence building in 2023 and be operational by 2026.

The development is earmarked to be built on a purchase 99-acre site close to the existing Peterhead Power Station in Aberdeenshire. It has attracted overseas interest from investment group North China Power Engineering (NCPE), which has pledged £800 million for the build-out phase.

Holistic Energy has completed feasibility and evaluation studies of what will be the UK's first Holistic Low Carbon Energy Facility. The feasibility study has produced an outline layout of the facility, the range of technologies to be used, and how these will interact.

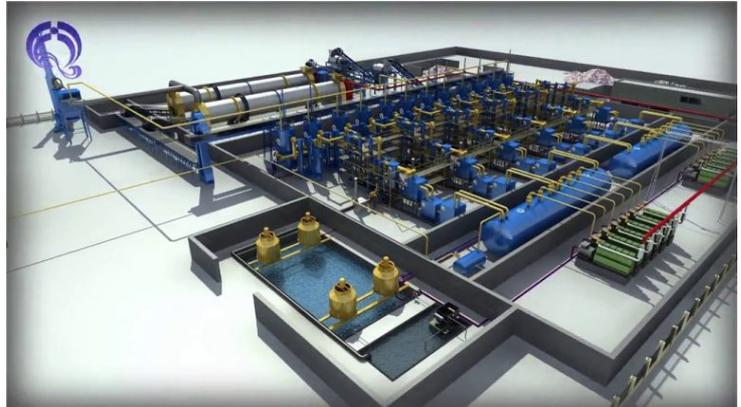
Concepts include a mixed fuel gasification and biomass plant, a green biodiesel production facility, and an AD plant. These will be housed alongside solar PV, wind energy, and supported by a green hydrogen production facility and large-scale battery storage facilities.

Dr Gen Cannibal, director of Holistic Energy, believes the complex systems approach to engineering a new renewable energy village will showcase and utilise the capabilities of interlinked renewable technologies.

"The facility will have three primary purposes – to produce a local renewable power station in Peterhead which can approach the most commonly-identified barriers to renewable uptake, to form a major R&D facility for new technologies that have reached the marketable stage but have not, as of yet, attained large-scale market application and thirdly, to provide a significant replacement to gas-powered plants in satisfying Scottish electricity demands and, hence, decarbonising the Scottish Economy," said Cannibal.

"The ambitions for the development of the Renewable Energy Village are to showcase Scotland and the UK as a world leader in energy transition projects and enhance our delivery timeline to low- or zero-carbon energy sources."

Holistic Energy will work with several partners in the design, civil engineering and construction phases, including Aberdeen-based firms Wood Group and XL Group, Will Rudd Davidson, and Bell Ingram Design.



## BIOGAS NEWS

Aug 26, 2021

**Toronto Zoo biogas project now operational**

The ZooShare Biogas Cooperative, in partnership with Toronto Zoo, Loblaw Companies and EnerFORGE, has announced its most recent project is now operational. The ZooShare Biogas Project is the first of its kind in Canada and provides an example of the circular economy in action. The facility converts 2,000 tonnes of zoo manure and 15,000 tonnes of food waste from supermarkets.... [\[Read More\]](#)

## BIOGAS NEWS

Aug 26, 2021

**NGV America pledges 80% RNG for natural gas vehicles by 2030**

NGV America has pledged that by 2030, 80% of natural gas vehicle (NGV) on-road motor fuel in the US will be derived from renewable sources, rising to 100% by 2050. In 2020, RNG collected at local landfills, wastewater treatment facilities, commercial food waste plants, and agricultural digesters displaced conventional fossil-derived natural gas sources as the dominant... [\[Read More\]](#)

## BIOGAS NEWS

Aug 26, 2021

**Scirocco Energy completes £1.2m investment in EAG**

Scirocco Energy has completed its £1.2 million (€1.4 million) investment in Energy Acquisitions Group (EAG), a specialist acquisition and operating vehicle in the sustainable energy sector. By creating a joint venture (JV) platform alongside EAG, Scirocco Energy will leverage EAG's strong network and experience to gain access to a pipeline of already identified... [\[Read More\]](#)

## BIOMASS NEWS

Aug 26, 2021

**Equis secures \$282m funding for 50 MW biomass plant in Japan**

Equis Development Pte (Equis), a major renewable energy and waste infrastructure developer in Asia-Pacific, has secured \$282 million (€239 million) to build a biomass plant in Japan. Equis will build the 50 MW Niigata East Port Biomass Power Plant in Niigata, a port city on Honshu, Japan's main island. The financing was committed by 14 syndication banks and insurance... [\[Read More\]](#)

## BIOMASS NEWS

Aug 25, 2021

**Port of Tyne sees largest ever wood pellet shipment**

The Port of Tyne, UK, has discharged its largest ever wood pellet shipment - 62,522 tonnes - destined for Drax Power Station, North Yorkshire. The consignment of sustainable biomass pellets provides Drax with enough fuel to generate reliable, flexible renewable electricity for around 1.3 million homes. The vessel carrying the shipment, the 299-metre-long Ultra Lynx... [\[Read More\]](#)

## BIOGAS NEWS

Aug 25, 2021

**Brightmark, Chevron expand US joint venture**

Brightmark and Chevron U.S.A. (Chevron) have further expanded their joint venture (JV), Brightmark RNG, which aims to own projects across the US, producing and marketing dairy biomethane. Brightmark RNG's subsidiaries currently own RNG projects in New York, Michigan, Florida, South Dakota and Arizona. Additional equity investments by each firm in the JV will fund... [\[Read More\]](#)

## BIOMASS NEWS

Aug 25, 2021

**24 biomass projects receive share of £4m government funding**

Twenty four biomass projects have received a share of £4 million (€4.6 million) in UK Government funding. Farming seaweed, growing algae and the by-products of whisky manufacturing feature among the 24 projects, which range from start-ups and family-run businesses to research institutes and universities. Each project will receive up to £200,000 (€233,000) from... [\[Read More\]](#)

## BIOGAS NEWS

Aug 25, 2021

**Kinder Morgan closes on \$310m takeover of Kinetrex Energy**

Kinder Morgan has closed on its previously announced acquisition of Kinetrex Energy. The \$310 million (€263 million) deal includes two small-scale, domestic LNG production and fuelling facilities, a 50% interest in a landfill-based RNG facility in Indiana, and signed commercial agreements for three additional RNG facilities, with construction to begin shortly. Kinetrex... [\[Read More\]](#)

## BIOMASS NEWS

Aug 24, 2021

**ANDRITZ to deliver wood chip system to Australian firm**

ANDRITZ has received an order from Visy Pulp & Paper for a 243,000 m<sup>3</sup> wood chip handling and storage system, including a Stacker Reclaimer RST360, for its mill in New South Wales, Australia. Visy Pulp & Paper is a privately-owned packaging and resource recovery company, with more than 120 sites across Australia, New Zealand, and Thailand. The ANDRITZ 360... [\[Read More\]](#)

## BIOGAS NEWS

Aug 24, 2021

**BorgWarner invests \$10m in Enexor BioEnergy**

BorgWarner has invested \$10 million (€8.5 million) in Enexor BioEnergy, a company providing on-site renewable energy and carbon conversion solutions. Enexor's patented and modular Bio-CHP™ system uses locally sourced organics or plastic waste to generate clean on-site energy and can be deployed quickly in almost any setting. According to Enexor, each system can... [\[Read More\]](#)



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