



Biomass power plant in Grubišno Polje, Croatia. With kind permission of KPA Unicon

Biomass-to-Energy Monitor

25 / 2020

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1 Projects

Argentina / 15 MW Corrientes plant inaugurated

The official inauguration of the 15 MW biomass power plant located at the Santa Rosa forestry-industrial park in Corrientes Province has taken place this month. As reported earlier by online portal El Litoral, the plant was completed in November already, but the inauguration was postponed due to forest fires. The facility developed by Argentine energy company Genergiabio Corrientes SA is fuelled with wood waste material and meets the demand of 25,000 households. The EUR 58 million plant was financially supported by two international banks and three Argentine lenders with a 15-year loan. The project won round 1 of the RenovAr national energy tender.

10.12.2020, [renewablesnow.com](#)

[Link to source](#)

Austria / Köflach plant started operations

A new biomass CHP plant has been inaugurated in Köflach, Styria, in calendar week 49. The plant called KWK Köflach II is operated by Austrian renewable energy provider Bioenergie Köflach and will start with heat production only; by April 2021, 3 MW of electricity should be generated additionally and fed into the grid. German turbine manufacturer MAN will deliver and install the turbine in January 2021. From 10 December onwards, the actual feedstock, biomass with a moisture content of 50%, will be used for incineration.

02.12.2020, [www.meinbezirk.at](#)

[Link to source](#)

China / BtE project under construction in Jinhua

Construction works have begun at the Biomass-to-Energy project to be developed by ZJMI Environmental Energy Co Ltd in Jinyi New District of Jinhua City, Zhejiang Province, on 26 November. The plant will have an installed capacity of 30 MW, consisting of 2x130 tph biomass furnaces and a 30 MW condensing steam turbine generator set, entailing a total investment of RMB 945 million.

30.11.2020, [news.bjx.com.cn](#)

[Link to source](#)

China / BtE plant goes online in Hua County

The Biomass-to-Energy plant developed by Guangdong Chant Group Inc in Hua County, Henan Province, has been connected to the grid and started power generation on 23 November. The plant has an installed capacity of 35 MW, consisting of a 140 tph biomass furnace and a 35 MW condensing steam turbine generator set. It entailed a total investment of RMB 386 million.

26.11.2020, *news.bjx.com.cn*

[Link to source](#)

France / Two biomass boilers commissioned in Barby

As published online by French magazine Bioenergie International, two wood-fired boilers providing a heat network in Barby, Auvergne-Rhône-Alpes, have been commissioned in September 2020. The boilers with capacities of 2.3 MWth and 0.6 MWth were installed by French energy provider Engie Solutions and will also be operated by the company under a 10-year public service delegation contract. The heating system will supply heat and hot water to social housing, private residences, municipal and commercial buildings in the community. With the boilers, the system will be fed with 95% biomass power; also, two gas boilers were installed as a backup.

05.12.2020, *www.bioenergie-promotion.fr*

[Link to source](#)

French Guiana / Biomass power plant completed in Cacao

The 5.1 MW biomass power plant by French plant operator Voltalia Guyane in Cacao, French Guiana, has been completed. The plant processes 60,000 tpy of wood to supply electricity to more than 16,000 homes. The project received EUR 8 million of funding from the French Development Agency in 2018.

28.11.2020, *la1ere.francetvinfo.fr*

[Link to source](#)

Germany / Enercity plans 80 MW biomass plant in Hannover

Energy provider Enercity has plans to develop a 80 MW biomass heating plant at the site of an existing coal-fired power plant in the Stöcken area of Hannover, Lower Saxony. Plans provide for the plant to process regionally sourced waste wood to generate 415 GWh of heat for the district heating network. The plant is estimated to cost EUR 80 million and is currently planned to be completed by 2025. The project is being undertaken by Enercity Contracting GmbH, full subsidiary of Enercity.

09.12.2020, *www.euwid-energie.de*

[Link to source](#)

Germany / Penzberg Council approves new heating plant location

The City Council of Penzberg, Bavaria, has voted in favour of the former industrial hall Lauritzhalle to be the location of the planned district heating biomass project. Public utility Stadtwerke Penzberg plans to invest a total of EUR 10.6 million in the plant until 2030. In a first construction phase, worth EUR 8.2 million, a 1.8 MW biomass boiler and a 7 MW peak load gas boiler should be installed, to be commissioned in 2023. A 3.6 MW wood biomass and another 7 MW peak load natural gas boiler could be added by 2030. The council also voted to continue development plans for the former location Müllerholz in case problems arise with the Lauritzhalle site.

25.11.2020, www.merkur.de

[Link to source](#)

Japan / 17 banks to finance Tahara biomass plant

Financial institution Chiba Bank and 16 other banks are cooperating to jointly fund the planned biomass power plant in Tahara, Aichi Prefecture. The loan amount was not disclosed in the source. Construction of the project should start in May 2021, with commissioning envisioned for October 2024. Once completed, the plant should have an installed capacity of 4.95 MW.

04.12.2020, www.rim-intelligence.co.jp

[Link to source](#)

Japan / Construction commenced on Kamisu biomass plant

Nagoya-based Chubu Electric Power Co. Inc. has started construction of a 50 MW biomass power plant in the Okunoyamaha Industrial Parl in Kamisu, Ibaraki Prefecture. Start of operations of the plant is currently expected for July 2023. It should be fuelled with wood and coconut shells to generate about 350 million kWh of electricity.

01.12.2020, www.kankyo-business.jp

[Link to source](#)

Japan / Shunan City biomass plant is under construction

Japanese petroleum company Idemitsu Konan has started construction of the 50 MW biomass plant at its former Tokuyama refinery site in Shunan City, Yamaguchi Prefecture. The plant should be completed in June 2022, with commercial operations planned to start in December the same year. According to earlier information, the plant will be fuelled with 230,000 tpy of imported wood pellets and palm kernel shells (PKS), while in the medium to long term, Idemitsu plans to use locally sourced timber as fuel.

30.11.2020, www.idss.co.jp

[Link to source](#)

Japan / Boiler completed at Kushiro power plant

Chiyoda-based company JFE Engineering Corporation has announced to have completed the installation of a circulating fluidised bed (CFB) boiler and a steam recovery turbine generator at the Kushiro Thermal Power Plant, Hokkaido Prefecture. The boiler processes 200,000 tpy of coal and woody biomass and has an installed capacity of 112 MWel. It was supplied by Finland-based Valmet. The plant was initially planned to start operations in December 2019.

08.10.2020, www.kankyo-business.jp

[Link to source](#)

Lithuania / Energy production started at Vilnius RDF unit

The Vilnius RDF incineration and biomass project has started generating energy from waste in November. However, it is not clear whether the biomass unit has started operations as well. In October 2020, the contract with Polish plant manufacturer Rafako for the construction of the biomass unit was terminated. Testing of the waste unit should run until late 2020. The EUR 350 million project aims to process 160 tpd of RDF. Managed by Lithuania's state-owned energy company Ignitis Grupė UAB (Ignitis Group, formerly known as Lietuvos Energija UAB), the plant produces 87.6 MWel and 227 MWth in total. Of this, about 18 MW of electricity and 53 MW of heat capacity will be produced from RDF incineration, while 70 MWel and 174 MWth will be generated from biomass.

11.11.2020, lt.sputniknews.ru

[Link to source](#)

Malaysia / 10 MW biomass power plant planned in Teluk Kalong

Malaysian renewable energy consultant Samaiden Group Bhd has signed a contract with Malaysian management service provider BTM Resources Bhd's subsidiary BTM Biomass Products Sdn Bhd for the development of a 10 MW biomass power plant in Teluk Kalong, Terengganu. The value of the contract amounts to RM 115.6 million (EUR 23.5 million). However, no further details of the project are disclosed in the source.

01.12.2020, www.theedgemarkets.com

[Link to source](#)

Netherlands / Zaanstad biomass plant to complete tests soon

Emission tests of the biomass plant in the Zaandam-Oost district of Zaanstad, North Holland, will be completed this December. Once cleared, the plant will supply heat to the local heating network. The network is currently supplied with heat by a gas-fired plant, which will function only as a backup once the biomass plant has reached full capacity.

26.11.2020, www.firan.nl

[Link to source](#)

Netherlands / Egchel project received all necessary permits

According to the source, the biomass power project in Egchel, Limburg, has obtained all the necessary permits and is therefore ready to start operations. The project realised by horticultural company Wijnen is opposed by local residents. As reported earlier by news platform 1limburg, the CHP project to be fuelled with woodchips was originally due to become operational in September 2020. Details on the capacities of the project have not been disclosed.

26.11.2020, www.ad.nl

[Link to source](#)

Poland / Plans for biomass CHP plant in Chorzow

The European Commission has approved a subsidy of EUR 23 million from the EU structural funds towards a biomass project planned in Chorzów, Silesian Voivodeship. Energy company CEZ Chorzów II wants to build a biomass CHP plant in the city. However, no additional details on technology or schedule were provided by the source.

03.12.2020, telewizjarepublika.pl

[Link to source](#)

Réunion / Bois-Rouge power plant to switch to biomass use

The Bois-Rouge power plant in Saint-André de la Réunion will be converted to operate on biomass fuel only. This was decided by the Energy Regulatory Commission. The plant has an installed capacity of 108 MW_{el} and mainly processes coal as well as bagasse from the nearby Tereos sugar refinery. Coal use at the site should be completely phased out by H2/2023 and is to be replaced with imported wood pellets.

09.12.2020, www.bioenergie-promotion.fr

[Link to source](#)

Serbia / Biomass heating plant underway in Mali Zvornik

A consortium led by Novi Sad-based company Energotehnika Južna Bačka has started construction of a biomass heating plant in Mali Zvornik, Mačva District. The plant will consist of two woodchip-fuelled boilers with a capacity of 900 kW each and a reserve gas unit with a capacity of 2.5 MW. It costs EUR 2.32 million. First tests should commence in October 2021, with start of commercial operations scheduled for January 2022. The project is part of the programme Promotion of Renewable Energies – Developing the Biomass Market in Serbia, mainly funded by the German Credit Institute for Reconstruction (KfW).

27.11.2020, balkangreenenergynews.com

[Link to source](#)

UK / Baumgarte delivers biomass plant to Speyside

German plant manufacturer Standardkessel Baumgarte has delivered a turnkey biomass plant near the Macallan distillery in Speyside, Scotland. According to Baumgarte, the plant was handed over after successful installation and commissioning. The plant should process locally sourced fresh and residual waste to deliver 12.5 MW of electricity to the public grid. It will also supply 9 MW of steam to the distillery.

10.12.2020, www.standardkessel-baumgarte.com

[Link to source](#)

UK / AD and biomass plant complex planned in Edinburgh

Energy producer Holistic Energy has unveiled plans for a large-scale biomass and AD plant complex in Edinburgh, northern Scotland. The project is called Holistic Low Carbon Energy Facility and should be built next to the Peterhead Power Station in Aberdeenshire. The site should include, amongst others, a 25 MWel biomass CHP plant, two 30 MWel mixed fuel gasification plants and a 10 MWel AD plant as well as a fuel production unit. The biomass plant should cost about GBP 5.5 million (EUR 6.04 million) and process wood waste sourced from Scotland. Investment group North China Power Engineering has pledged to invest GBP 800 into the project. Construction could start in 2023. Once completed in 2026, the project should have a total installed capacity of 150 to 200 MW. For design, engineering and construction, Holistic Energy contracted Scottish companies Wood Group, XL Group, Will Rudd Davidson and Bell Ingram Design.

04.12.2020, www.bioenergy-news.com

[Link to source](#)

2 Plants

Canada / PPA for Calstock plant extended

US electricity producer Atlantic Power has revealed a 1-year extension of the power purchase agreement (PPA) for the Calstock biomass plant in Ontario. As reported earlier by Radio-Canada, the PPA originally expiring in June 2020 was extended until December 2020 in order for the Provincial Government of Ontario and stakeholders such as Atlantic Power to assess the prospective role of biomass power. The offtaker under the PPA, which will now last until 16 December 2021, is the Ontario Electricity Financial Corporation. The extension has been made under existing terms and provides the province extra time to examine future possibilities for mill waste disposal. If the province is willing to agree on a new PPA, the extension will be terminated.

09.12.2020, www.biomassmagazine.com

[Link to source](#)

Denmark / Ørsted awards tender for Studstrup repairs

Danish Ørsted Bioenergy & Thermal Power A/S, part of Danish energy corporation Ørsted, has awarded a contract for repairs at its 362 MWe/450 MWth Studstrupværket biomass CHP plant. Works should start this month, but the notice does not reveal the name of the contractor. By July 2021, heating element baskets of the air preheater at unit 3 of the plant should be replaced. Ørsted had previously issued other repairs at the site, including replacement of a cracked intermediate pressure turbine.

04.12.2020, ted.europa.eu

[Link to source](#)

Netherlands / Eindhoven biomass plant might face penalty

A biomass plant in the Meerhoven district of Eindhoven might face a penalty of EUR 25,000 because the plant is running without a permit under the Emergency Nitrogen Emission Act. The Municipality of Eindhoven plans to submit an application in January 2021, however, according to the source, the granting of the permit could last until mid-2021. The Province has intended to impose a penalty for the facility if it is not shut down. The Municipality is currently examining options to reduce nitrogen emissions, e.g. a different processing of the woodchips. It intends to keep the plant open in any case, as it is vital for the heat supply of 2,500 homes in the area.

01.12.2020, www.ad.nl

[Link to source](#)

Poland / Bruks Siwertell to deliver wood chipper to Paged

Swedish wood processing machine supplier Bruks Siwertell has entered a contract with Polish veneer producer Paged for the delivery of a drum wood chipper. The machine will replace an existing chipper and pre-treat veneer production waste for the biomass boiler located at the site, a veneer and plywood production facility operated by Paged in Pisz, northeast Poland. The chipper has a loose chips processing capacity of 60 m³/h. However, the source does not disclose any further information on the capacities of the biomass boiler.

26.11.2020, www.bioenergy-news.com/

[Link to source](#)

Spain / Parc Bit inaugurated after renovation

The modification of the technology and science park Parc Bit close to Palma de Mallorca was completed, and the site has been inaugurated. The park, which also includes a biomass boiler, was renovated by Spanish construction company Grupo Sampil. Costs for the reconstruction amount to EUR 3 million. Apart from biomass generation, several other technologies are applied in the park such as CHP, solar panels, water and gas absorption machines. However, the source does not state which part of the site was renovated.

04.12.2020, www.elmundo.es

[Link to source](#)

UK / Border Coast made co-investment in Sleaford plant

Border Coast, the asset pool for eleven UK public pension funds, has made a EUR 44 million (GBP 40 million) co-investment in the Sleaford Renewable Energy Plant. The investment was carried out with UK-based investor Greencoat Capital through Border to Coast's GBP 1.4 billion (EUR 1.5 billion) infrastructure investment sleeve. The facility fuelled with straw can supply 65,000 households with power. As reported earlier by news portal renewables now, Greencoat Capital acquired the 39 MW biomass CHP plant in June.

02.12.2020, realassets.ipe.com

[Link to source](#)

USA / Atlantic Power receives insurance recoveries

US electricity producer Atlantic Power will receive insurance recoveries for business interruption of the company's Cadillac biomass facility in Michigan. The 40 MW plant had been out of service since September 2019 following a fire, before it resumed operations in September 2020. As reported earlier by Bioenergie Insight, the cost of new equipment and repairs to the facility was in line with the company's estimates. Final payments to the company amount to approximately EUR 8.3 million.

09.12.2020, www.bioenergy-news.com

[Link to source](#)

USA / Xcel stops burning coal in Ashland plant

US energy provider Xcel has stopped the incineration of coal at its biomass and coal co-firing plant in Ashland, Oregon. On 1 December, the last amount of coal was burned, after the provider incinerated around 4,200 tons this year. In 2019, the facility burned, apart from coal, 3,400 tpy of used tyres and 260,000 tpy of woody biomass. However, the source does not state whether the incineration of tyres will continue or not. To stop burning coal is in line with the company's target to generate carbon-free power by 2050.

04.12.2020, madison.com

[Link to source](#)

3 Pellets, Pulp, Sugar & Co

Canada / Pinnacle starts pellet production at High Level plant

Canadian pellet producer Pinnacle Renewable Energy has announced to have started production at its new pellet plant in High Level, Alberta. The plant is co-owned by Pinnacle and Tolko Industries. At full capacity, which is expected to be reached in 2021, it should produce 200,000 tpy of pellets, mainly from wood fibre supplied by a nearby sawmill that is operated by Tolko. Pinnacle also announced that another large-scale project in Demopolis, Alabama, is scheduled for completion in Q2/2020.

09.12.2020, www.biomassmagazine.com

[Link to source](#)

Canada / Houston pellet plant temporarily stops operations

Canadian pellet producer Pinnacle Renewable Energy has temporarily suspended operations at its pellet plant in Houston, British Columbia, due to a fire in the dryer area. The cause of the fire has not been determined yet, but preliminary investigations are underway. A date for resumption of operations has not been determined.

26.11.2020, www.canadianbiomassmagazine.ca

[Link to source](#)

Russia / Pellet plant starts operations in Syktyvkar

A new pellet plant has started operations in the Chovyu industrial area one of Syktyvkar, Komi Republic. Construction, conducted by K-BEG, started in 2019. The plant is run by wood product company Gran Wood and processes 130,000 m³ of waste wood annually to produce 20,000 tpy of pellets.

27.11.2020, www.infobio.ru

[Link to source](#)

USA / Highland Pellets, Orion Energy partner for extension works

Pellet producer Highland Pellets LLC and energy provider Orion Energy Partners LP have announced a strategic capital partnership to fund extension and upgrading works currently underway at the wood pellet plant in Pine Bluff, Arkansas. Pellet production at the site should be increased to 675,000 tpy. A long-term contract with an unnamed European power producer is in place. The plant originally started operations 2017.

09.12.2020, www.biomassmagazine.com

[Link to source](#)

4 Company News

No news in this Monitor.

5 Policy & Others

Brazil / Schedule announced for next energy auctions

The Brazilian Ministry of Mines and Energy (MME) has announced the time schedule for the next energy auctions. This year's auctions have been cancelled, after they were postponed indefinitely in March due to the COVID-19 pandemic. Next year, four energy auctions are planned. In June, A-3 and A-4 auctions will take place. For September, A-5 and A-6 auctions are scheduled. In all auctions, biomass plants can participate and win 20-year supply term contracts. The A-5 and A-6 tenders will also encompass coal, natural gas and solid urban waste projects. In 2022 and 2023, A-4 auctions are planned for April and A-6 auctions are scheduled for September.

08.12.2020, renewablesnow.com

[Link to source](#)

Cuba / RE power share to be increased to 24%

According to the source, Cuba aims to increase its share of renewable power to 24% as part of the country's National Economic and Social Development Plan 2030. In order to fulfil its target, Cuba proposed to install 755 MW of biomass power capacity, which should be generated at plants located at the largest 19 sugar factories of the country. Current power facilities at these factories should be substituted by biomass CHP plants, which will use bagasse from the mills as fuel. However, the source does not indicate when decisions on the proposal to establish 755 MW of biomass power capacity will be made.

01.12.2020, www.powermag.com

[Link to source](#)

**Spain / EUR 13 million
support for RE in Castilla y
León**

The Council of Ministers has empowered the Institute for the Diversification and Saving of Energy (IDAE) to approve a call for investment aid for thermal renewable energy projects in the Community of Castilla y León. The budget of the call amounts to EUR 13 million. An additional EUR 7 million should be processed in the future linked to a renewable power call. By technology, biomass in networks should receive the most support with EUR 6.75 million, while other biomass installations should be promoted by a total of EUR 1.5 million. The grants are financed by the European Regional Development Fund (ERDF).

02.12.2020, www.retema.es

[Link to source](#)

**USA / Applications open for
REAP funding**

The Rural Business Cooperative Service of the Department of Agriculture has issued a notice that it is soliciting applications for grants under the Rural Energy for America Program (REAP) for the fiscal year 2021. Funding assistance is available for, amongst others, installation of renewable energy systems and efficiency improvement as well as energy audit and renewable energy development grants. Eligible are, amongst others, AD and biomass projects.

25.11.2020, www.govinfo.gov

[Link to source](#)

General Information

The *Biomass-to-Energy Monitor* is compiled and issued by ecoprogram GmbH. If you have any queries, suggestions or proposals, please feel free to contact us at any time.

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