

June 5, 2020

# WASTEANDBIO

## Infrastructure Monitor

# 22 - 2020

*Biomass power plant in Turku, Finland, by courtesy of Valmet Corporation*

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# 1 Waste-to-Energy / MBT

## 1.1 WtE projects

### **China / Developer to be confirmed for Xining WtE project**

A recently released announcement shows that Shenzhen Energy Environmental Engineering Co Ltd has been selected to be the developer of the Waste-to-Energy project proposed in Xining City, Gansu Province. The plant will have a treatment capacity of 3,000 tpd, consisting of 4x750 tpd grate furnaces and 2x35 MW condensing steam turbine generator sets, entailing a total investment of RMB 1.01 billion.

03.06.2020, [www.solidwaste.com.cn](http://www.solidwaste.com.cn)

[Link to source](#)

### **China / Second phase of Nanchang WtE plant signed**

The Nanchang Municipal Management Bureau and Capital Environment Holdings Limited have recently signed a franchise agreement of the Quanling Waste-to-Energy Project phase 2 in Nanchang City, Jiangxi Province. Based on the first project phase, which started operations in October 2016, the second phase will have a treatment capacity of 1,800 tpd.

03.06.2020, [www.solidwaste.com.cn](http://www.solidwaste.com.cn)

[Link to source](#)

### **China / WtE plant to be built in Zhangbei County**

According to a release on the Hebei Province Bidding Public Service Platform on 2 June, a new Waste-to-Energy project is proposed to be built in Zhangbei County, Hebei Province, and has started tendering for its developer. The project will have a treatment capacity of 500 tpd, consisting of a 500 tpd grate furnace and a 15 MW condensing steam turbine generator. It will be developed in BOT mode with a concession period of 30 years.

03.06.2020, [www.cn-hw.net](http://www.cn-hw.net)

[Link to source](#)

### **China / EPC assigned for Shunyi WtE project phase 3 in Beijing**

Beijing Geoenvirom Engineering & Technology, Inc has recently announced to have won the EPC contract for the incineration system of the third project phase of the Waste-to-Energy plant to be built in Shunyi District, Beijing. The project will have a treatment capacity of 800 tpd, consisting of a 800 tpd grate furnace and a 18 MW condensing steam turbine generator. The term of the EPC contract is 24 months.

02.06.2020, [www.solidwaste.com.cn](http://www.solidwaste.com.cn)

[Link to source](#)

**China / WtE plant  
commissioned in Qingyang**

The first phase of the Waste-to-Energy plant in Qingyang City, Gansu Province, has recently started commissioning and is expected to start commercial operations by the end of June. The project is designed to be developed by Shengyuan Environmental Protection Ltd in two phases with treatment capacities of 600 tpd each, entailing a total investment of RMB 450 million.

01.06.2020, [www.solidwaste.com.cn](http://www.solidwaste.com.cn)

[Link to source](#)

**China / WtE project confirmed  
in Gucheng County**

As announced on 28 May, China Everbright International Limited has been selected as the private developer of the new Waste-to-Energy PPP project to be built in Gucheng County, Hebei Province. The plant will have a treatment capacity of 600 tpd, consisting of 2x300 tpd grate furnaces and a 15 MW condensing steam turbine generator set, entailing a total investment of RMB 410 million.

29.05.2020, [www.solidwaste.com.cn](http://www.solidwaste.com.cn)

[Link to source](#)

**Czech Republic / Veolia  
tenders boiler for co-  
incineration in Přerov**

Veolia Energie ČR is tendering the supply of the Přerov heating plant with a multi-fuel steam boiler. The contract includes design, manufacture, supply, installation and commissioning of a 40 MWth boiler suitable for the incineration of both biomass and RDF. The deadline for submission is 26 June 2020.

25.05.2020, [www.ted.europa.eu](http://www.ted.europa.eu)

[Link to source](#)

**Latvia / Tender for Ventspils  
waste recovery plant  
extended**

The tender released regarding the delivery of waste fuel recovery equipment for the Ventspils waste recovery plant has been extended, from 22 June 2020 to 2 July 2020. This is the second tender published for this project. After a first tender was prolonged three times without awarding a contract, authorities decided to publish a new tender.

28.05.2020, [www.ted.europa.eu](http://www.ted.europa.eu)

[Link to source](#)

**Poland / New company founded for Silesian WtE project**

The Municipal Assembly Górnośląsko-Zagłębiowska Metropolia (GZM) has decided to establish a company for the implementation of a Waste-to-Energy facility in the Upper Silesian Metropolitan Region. The company will be called GZM - Czysta Energia and will be owned by the local government. Fitted with an initial capital of PLN 20 million (EUR 4.5 million), GZM - Czysta Energia will carry out the necessary investment for the plant, amounting to PLN 800 million (EUR 178 million). The facility will have a throughput of 250,000 tpy, however, its exact location is unknown at the moment.

01.06.2020, [www.portalkomunalny.pl](http://www.portalkomunalny.pl)

[Link to source](#)

**UK / Update on Alton WtE plant**

As announced earlier, Veolia UK is developing a WtE plant in Alton, North Hampshire, at the existing materials recycling facility. The planning application for the project has now been submitted to Hampshire County Council and Veolia is currently awaiting approval. The facility is expected to treat up to 330,000 tpy of residual waste and generate 30 MW of energy.

03.06.2020, [www.bbc.com](http://www.bbc.com)

[Link to source](#)

**UK / Construction resumes at WtE plant in Edmonton**

Construction works on the 700,000 tpy North London Heat and Power Project in Edmonton have resumed following a temporary pause due to COVID-19 restrictions. The plant contractors, Buckingham Group Contracting and Galldris, highlighted that new health and safety plans extracted from the guidance of the Construction Leadership Council have been put in place. As reported earlier, the facility is expected to become operational by 2025.

02.06.2020, [www.mrw.co.uk](http://www.mrw.co.uk)

[Link to source](#)

**UK / DCO application submitted for South Humber Bank WtE plant**

According to the source, an application for a development consent order (DCO) has been submitted by EP Waste Management (EPWM) to the Planning Inspectorate. The DCO is needed for a proposed increase in the electricity generation capacity of EPWM's planned South Humber Bank energy centre. Earlier in April 2019, a planning permission was already granted for the facility. The DCO request is to increase the plant efficiency by increasing its electricity generation output. If approved, the plant should generate 95 MW instead of 50 MW from processing 620,000 tpy of RDF. The project is planned with an investment of around GBP 300 million (EUR 337 million).

29.05.2020, [www.insidermedia.com](http://www.insidermedia.com)

[Link to source](#)

**UK / Documents released for Uskmouth WtE project**

SIMEC Atlantis Energy has released the planning documents for a proposed conversion of an existing coal-fired power plant to be RDF-fired at the Uskmouth Power Station. The pre-application consultation (PAC) document has now been made available for review and comment before a full planning application will be submitted to Newport City Council. Furthermore, it was revealed that the fuel pellet production plant will now be developed at an alternative location in England, removing the need to import fresh waste into Newport. It is proposed that fuel pellets will be transported to the Uskmouth power plant through rail.

29.05.2020, [www.insidermedia.com](http://www.insidermedia.com)

[Link to source](#)

**UK / Plans for new WtE plant in Kidderminster**

Power Generation Midlands has launched a public consultation towards its plan to establish a new Energy & Resource Park in Kidderminster, Worcestershire. The facility is planned to generate energy from non-hazardous commercial and industrial waste. It will also include a plastic recovery plant that will process plastic waste into new products. The produced energy should be supplied to Liberty Aluminium's foundry next to the plant. The plant is expected to process around 105,000 tpy of waste. After consultation, the company plans to submit a planning application to Worcestershire County Council in summer. If approved, the GBP 30 million facility (EUR 34 million) should be built within 2 years.

28.05.2020, [www.thebusinessdesk.com](http://www.thebusinessdesk.com)

[Link to source](#)

## 1.2 WtE plants

### Germany / Offenbach WtE plant limits waste collection

According to the source, Energieversorgung Offenbach (EVO) has decided to stop the walk-in collection of waste from individuals at its Waste-to-Energy plant until at least the end of next year. Earlier, nearby residents were allowed to come deposit their bulky waste in the Waste-to-Energy plant in Offenbach, Hesse. The halt in private waste collection has been attributed to safety measures implemented at the plant against the coronavirus and also because of the ongoing installation of a sewage sludge incineration plant, which will be integrated into the existing WtE plant.

01.06.2020, [www.op-online.de](http://www.op-online.de)

[Link to source](#)

### India / Commissioning of Lucknow WtE plant delayed

The Uttar Pradesh Electricity Regulatory Commission (UPERC) has approved the extension of the commercial operationalisation date (COD) for the Lucknow WtE plant until December 2020. As stated in the source, the COD extension was requested by Ecogreen Energy Lucknow Pvt Ltd as a result of a delay in the issuance of a concessional customs duty certificate. However, the company now further stated that the COD timeline might not be met due to the coronavirus pandemic. A power purchase agreement for the 13.5 MW project is still being discussed between UP Power Corporation Ltd and Ecogreen Energy. The plant was earlier reported to start generating energy from waste in June 2019.

03.06.2020, [mercomindia.com](http://mercomindia.com)

[Link to source](#)

### USA / Indianapolis WtE plant to incinerate pandemic waste

Covanta has recently announced a partnership with Indiana COVID-19 testing sites towards the collection and disposal of pandemic waste at its incineration plant located in Indianapolis. It was further stated that this is happening even though the facility does not have a permit for accepting medical waste from hospitals, as that requires a specific medical disposal permit, which it does not plan to pursue.

28.05.2020, [www.wastetodaymagazine.com](http://www.wastetodaymagazine.com)

[Link to source](#)

### **USA / MIRA turns to state for renovation of Hartford WtE plant**

The governing board of the Materials Innovation Recycling Authority (MIRA) has recently voted to stop its plans on the renovation of the Hartford Waste-to-Energy plant unless the state provides a financial backing for the project. The board gave the Connecticut state government a deadline of 31 August on a decision to finance the plant renovation project. The municipality already rejected a plan for increasing the garbage disposal fee, which would have been an alternative for the financing of the project. MIRA is a coalition formed for the processing of waste within 51 member towns located in the state of Connecticut.

*28.05.2020, [ctmirror.org](http://ctmirror.org)*

[Link to source](#)

## **1.3 MBT & pre-treatment**

### **Germany / New joint venture for RDF production in Papenburg**

A new joint venture has been formed by a coalition of MVW Lechtenberg and Nehlsen AG for the production of substitute fuel from waste. The company called Blue River Recycling Ems GmbH located in the port of Papenburg should produce alternative fuels in the future. An investment of about EUR 12 million is planned for the facility and its operation is expected to commence in January 2021. It should be able to process 100,000 tpy of non-recyclable industrial waste and mixed plastics into high-calorific pellets, which are to be used as alternative fuels in industrial plants such as cement or steel works.

*29.05.2020, [recyclingportal.eu](http://recyclingportal.eu)*

[Link to source](#)

### **USA / Meridian opens new MRF in Christiansburg**

Charlotte-based company Meridian Waste has opened the Blue Ridge MRF on 1 June 2020. Located in Christiansburg, Virginia, the plant will be able to process a variety of waste types, including municipal solid waste, C&D waste, metal, wood, cardboard waste and tyres. Information on the capacity of the plant has not been published.

*02.06.2020, [www.recyclingtoday.com](http://www.recyclingtoday.com)*

[Link to source](#)

## 1.4 Company news

### India / NTPC collaborates with EDMC for waste management

State-owned power company NTPC has announced to have formed a joint company with the East Delhi Municipal Corporation (EDMC) for the development and operation of a Waste-to-Energy facility. The new joint venture is called NTPC EDMC Waste Solutions. NTPC will hold a share of 74%, while EDMC will hold 26%. The report does not state any specific projects being handled yet. However, it was stated that the joint venture will explore operations such as waste segregation, recycling, energy generation from waste as well as methane production.

01.06.2020, [www.outlookindia.com](http://www.outlookindia.com)

[Link to source](#)

### UK / Takeover of Viridor approved

The sale of Viridor by its parent company Pennon Group is progressing further. As previously reported, the procedure was approved by the European Commission already. Now Pennons shareholders also given their permission for the sale to US-based Kohlberg Kravis Roberts (KKR) for the sales price of EUR 4.5 billion. Viridor currently operates 10 WtE facilities in the UK.

28.05.2020, [www.londonstockexchange.com](http://www.londonstockexchange.com)

[Link to source](#)

## 1.5 Policy & others

### Australia / ACT government plans to ban waste incineration

The government of Australia Capital City (ACT), Canberra, plans to introduce a ban on the generation of energy from waste incineration due to several opposition to such projects in the city. The proposed ban has been included in newly published 2020-2025 waste management policy. The ban relates to incineration, gasification and pyrolysis technologies, while production and the capture of methane produced from anaerobic digestion of biomass wastes will still be allowed.

29.05.2020, [reneweconomy.com.au](http://reneweconomy.com.au)

[Link to source](#)



**Bulgaria / EIA control for incinerators becomes mandatory**

The Bulgarian government has decided to implement stricter environmental protection rules for Waste-to-Energy facilities. Following the decision, all waste incineration plants will need to apply for an Environmental Impact Assessment (EIA) as stated in the amendments to the Environmental Act. In the past, this procedure only entailed one letter of agreement with authorities instead of an extensive process.

*03.06.2020, [www.novinite.com](http://www.novinite.com)*

*[Link to source](#)*

**UK / Hertfordshire County discusses waste management options**

Following the rejection of a planned Waste-to-Energy plant in Hatfield and later in Hoddesdon by the Secretary of State, Hertfordshire County Council is currently discussing other alternatives for the future management of the county's waste. As stated in the source, the waste should be treated at landfills and energy recovery plants in other counties until 2024. An approval has now been granted for a new procurement process, which is likely to issue a waste contract for alternative waste management options.

*02.06.2020, [www.hemeltoday.co.uk](http://www.hemeltoday.co.uk)*

*[Link to source](#)*

## 2 Material recycling

### 2.1 Sorting & recycling projects

#### **France / Mattress recycling plant to be established in Semoy**

A section of Dow Chemical, Dow Polyurethanes, has unveiled plans to construct an industrial-scale recycling facility at the Orrion Chemicals Orgaform site in Semoy. The plant should process discarded mattresses into raw material (polyol), which can be used in the manufacturing of flexible or rigid foam products. The plant installation is scheduled to commence in the second half of 2020, while the first set of polyols are expected to be ready in the first half of 2021.

*01.06.2020, [www.canplastics.com](http://www.canplastics.com)*

[Link to source](#)

#### **Germany / Veolia sorting plant launched in Salzgitter**

A new sorting plant has been commissioned by Veolia in Salzgitter. Following the completion of a trial run, the waste sorting plant commenced commercial operations on 28 May 2020. The plant will be used for sorting and recycling films of various qualities from industrial and commercial waste. It currently has an approval to process 13,000 tpy of waste. However, it was stated that an additional 10,000 tpy of capacity is planned to be added by 2021.

*28.05.2020, [recyclingportal.eu](http://recyclingportal.eu)*

[Link to source](#)

#### **Indonesia / Tidy Planet and UNTHA UK plan waste management plant**

According to the source, waste company Tidy Planet has established a partnership with shredder machinery supplier UNTHA UK. The partnership will have UNTHA UK supply an industrial-scale machinery solution for a GBP 1.25 million Integrated Waste Management Facility (IWMF) in Indonesia. The project involves the processing of plastic, metal and wood wastes alongside with 5 tpd of food waste generated at a liquid gas plant in Tanguhh. UNTHA UK was selected for the project after a competitive bidding process.

*29.05.2020, [hub-4.com](http://hub-4.com)*

[Link to source](#)

**Netherlands / Plastic sorting plant commissioned in Biddinghuizen**

Van Werven's facility for the sorting of plastic waste in Biddinghuizen has started operations at the end of May. According to the operator, 24 different types of plastic can be sorted at the plant. The development was partly funded with a subsidy from the Ministry of Economic Affairs and Climate.

27.05.2020, [afvalonline.nl](https://afvalonline.nl)

[Link to source](#)

**Norway / Northvolt and Hydro to build battery recycling plant**

Swedish battery manufacturer Northvolt and Norwegian aluminium company Hydro have announced to form a joint venture called Hydro Volt. The joint venture will focus on the recycling of end-of-life EV batteries in Fredrikstad. The according facility, which is planned for next year, will crush and sort about 8,000 tons of EV batteries. Expansion of the plant for more an increased capacity intake is also planned for later. Furthermore, it was stated that Northvolt plans to establish a full-scale recycling plant at its lithium-ion gigafactory in Skellefteå, Sweden, in 2022. In general, it was stated that Northvolt aims at generating about half of its components from recycled materials by 2030.

01.06.2020, [www.pv-magazine.com](https://www.pv-magazine.com)

[Link to source](#)

**Romania / Further equipment for WEEE plant in Buzau**

Company Green WEEE is further developing its recycling plant in Buzau. An investment of EUR 0.5 million was made for the installation of a recycling line for flat screens. The line should be able to treat up to 2,500 tpy of televisions and other devices with screens. Green WEEE operates two recycling sites in Buzau and Campia Turzii with a total capacity of 100,000 tpy.

03.06.2020, *EUWID Recycling & Entsorgung 23.2020*

**USA / Encina to build chemical recycling facility**

Encina Development Group has announced that it plans to construct a plastic to benzene-toluene-xylenes (BTX) processing plant in the United States. The company selected Worley Energy, Chemicals & Resources for the provision of engineering, procurement, and construction (EPC) services to the new plant. The source does not include the exact location of the plant, however, it states that the plant will be constructed with an initial investment of around USD 255 million (EUR 228 million).

01.06.2020, [www.plasticstoday.com](https://www.plasticstoday.com)

[Link to source](#)

**USA / Mazza Recycling to open new MRF in Monmouth County**

According to the source, the construction of a recycling facility by Tinton Falls-based Mazza Recycling is almost completed. The single stream recycling facility located in Monmouth County, New Jersey, is established with an investment of USD15 million (EUR 13 million). The plant will facilitate the recovery of recyclable material such as plastics, paper, cardboard and metal containers. The Material Recovery Facility is scheduled to be operational in the summer of 2020.

*29.05.2020, njbmagazine.com*

[Link to source](#)

## **2.2 Sorting & recycling plants**

**UK / Ward to complete upgrade on Ilkeston metal recycling plant**

British metal and waste recycler Ward, based in Derbyshire, has completed an upgrade on its Ilkeston metal recycling plant. Investments amounted to about GBP 1.5 million (EUR 1.68 million) and included a new pre-shredder and infrastructure improvements as well as material handlers and cranes. Through the investment, the company was able to increase the plant's capacity to almost 500,000 tons of ferrous and non-ferrous scrap metal per year.

*03.06.2020, www.eastmidlandsbusinesslink.co.uk*

[Link to source](#)

**USA / Meridian opens new MRF in Christiansburg**

Charlotte-based company Meridian Waste has opened the Blue Ridge MRF on 1 June 2020. Located in Christiansburg, Virginia, the plant will be able to process a variety of waste types, including municipal solid waste, C&D waste, metal, wood, cardboard waste and tyres. Information on the capacity of the plant has not been published.

*02.06.2020, www.recyclingtoday.com*

[Link to source](#)

## 2.3 Company news

### France / Derichebourg publishes H1 2019/2020 figures

Derichebourg has reported figures for the half-year period between October 2019 and March 2020. Environmental services' turnover decreased by 10.4% in comparison to H1 2018/2019. The amount of processed metal also decreased to 1,952 t by 2.7%, but the results vary for the different categories. Non-ferrous metals increased by 11.1%, whereas scrap metal processing fell by 4.8% to 1,654 tons. In total, the restrictions due to the coronavirus pandemic have led to decreased amounts of processed metal in March.

02.06.2020, [www.environnement-magazine.fr](http://www.environnement-magazine.fr)

[Link to source](#)

### UK / Viridor shareholders approve takeover by KKR

In a recent general meeting of the Viridor shareholders, 99.85% voted in favour of the takeover of Viridor by Kohlberg Kravis Roberts' (KKR) newly established company Planets UK Bidco. The deal is now scheduled to be finalised in the summer of 2020 and the only thing left to be handled is to release guarantees and other obligations provided by Pennon in favour of Viridor. KKR bought Viridor for about EUR 4.5 billion.

28.05.2020, [www.letsrecycle.com](http://www.letsrecycle.com)

[Link to source](#)

## 2.4 Policy & others

### Australia / States decide to ban waste exports

According to an announcement by the Australia Department of Environment and Energy, the Council of Australian Governments (COAG) has now decided to progressively ban the export of paper, plastic, tyres and glass waste starting from July 2020. Individual waste bans are to come into effect at different times and the overall export ban is scheduled for July 2024. According to an official, the ban should improve the country's recycling industry, which could generate about AUD 1.5 billion in economic activities over the next 20 years.

27.05.2020, [www.environment.gov.au](http://www.environment.gov.au)

[Link to source](#)

### France / Most waste paper sorting plants operational again

Following the shutdowns of several waste paper sorting plants in March and April, most facilities are now back in operation. Due to health regulations, lack of staff and decreased waste during the coronavirus crisis, sorting facilities were closed temporarily. According to Citeo, a French waste management organisation, 95% of plants are operational again.

06.03.2020, [EUWID Recycling & Entsorgung 23.2020](#)

**Spain / Grant for sorting  
equipment in Valencian MRF**

The municipal waste management authority Consorcio de Residuos Crea will be granted EUR 120,000 for installing further equipment at the sorting plant in Villena. The equipment will open waste bags before sorting them and therefore allow an increase in performance. In 2019, other sorting equipment and a glass treatment line were added to the facility.

29.05.2020, [www.retema.es](http://www.retema.es)

[Link to source](#)

## 3 Anaerobic digestion / biogas

### 3.1 Projects agriculture

#### Canada / Seabreeze farm to install new upgrading plant

Technology supplier DMT Clear Gas Solutions has announced to update equipment at the on-farm AD project at the Seabreeze Farm in Delta, British Columbia. DMT will deliver a three-stage membrane separation system to the farm. Completion of the upgrading project is scheduled for early 2021. It will then upgrade 180 nm<sup>3</sup> per minute of biogas to produce RNG, which will be sold to utility FortisBC. The biogas is produced from manure from 250 dairy cows and 12,000 tpy of off-farm organics.

01.06.2020, [www.dmt-cgs.com](http://www.dmt-cgs.com)

[Link to source](#)

#### Estonia / EnviTec to deliver two upgrading plants

German biogas plant manufacturer and operator EnviTec Biogas AG has received an order from AS EG Ehitus, subsidiary of gas network operator AS Eesti Gaas, for two EnviThan biogas upgrading plants. The equipment will be delivered to two existing biogas plants in Tartu and Vinni. Construction will take about 6 months. The plant in Vinni, Lääne-Viru County, will produce 465 nm<sup>3</sup>/h of biomethane from biogas produced from manure, flotate, vegetable harvest and food waste. The plant in Tartu will upgrade biogas from manure and harvest residues to produce 425 nm<sup>3</sup>/h of biomethane.

02.06.2020, [www.envitec-biogas.de](http://www.envitec-biogas.de)

[Link to source](#)

#### France / Pontivy AD plant starts operations

The AD plant at the farm of the agricultural school of Gros-Chêne in Pontivy, Brittany, has started operations. It started injecting biomethane into the GrDF grid on 19 May 2020. The plant processes cattle and pig manure from the farm as well as food waste such as dairy and fats to produce 30 nm<sup>3</sup> of biomethane per hour. It cost EUR 2 million and received a subsidy of EUR 600,000 from the French Agency for Environment and Energy Management (ADEME) and the Brittany Region.

28.05.2020, [actu.fr](http://actu.fr)

[Link to source](#)

**France / Aunis Biogaz project starts commissioned**

The biomethane project by Aunis Biogaz in Surgères, Nouvelle-Aquitaine, has started operations and is now injecting into the GrDF network. It processes 40,000 tpy of agricultural waste to produce 1.8 million nm<sup>3</sup> of biomethane. French AD plant developer Naskéo had started construction works in January 2019. The project had a budget of EUR 8.5 million and received subsidies of EUR 1 million each from the Nouvelle-Aquitaine Region and the French Agency for Environment and Energy Management (ADEME) as well as EUR 400,000 from Agence de l'eau Adour-Garonne.

28.05.2020, [lhebdo17.fr](http://lhebdo17.fr)

[Link to source](#)

**Italy / Energa withdraws appeal for Isola del Cantone AD plant**

Energa srl., owned by the companies Docks Lanterna and Domino, has announced to withdraw an appeal against a decision made in 2016 by the Liguria Regional Council to reject an envisioned AD plant. The plant was initially planned to treat 33,000 tpy of municipal waste and waste from industrial origins.

29.05.2020, [www.gazzettadellaspezia.it](http://www.gazzettadellaspezia.it)

[Link to source](#)

**Norway / Plans for new AD plant in Stord**

Gas provider Sunnhordland Naturgass AS has laid the foundation stone for a biogas plant in the community of Stord, Vestland. Sunnhordland states the plant is part of a plan to develop 10 large-scale AD plants in Norway. The company estimates to invest NOK 120 million (EUR 11.27 million) in the Stord project, which should process 55,000 tpy of waste from agriculture, fisheries and households to produce 69 GWh of energy. Start of operations is planned for July 2021. It will utilise technology developed by Antec Biogas and the Norwegian University of Life Sciences (NMBU).

02.06.2020, [businessportal-norwegen.com](http://businessportal-norwegen.com)

[Link to source](#)

**Poland / PGB to construct biogas plant in Zawady**

Plant construction company PGB Energetyka 9 sp. z o.o. has secured a contract from energy investment company MDI Energia for constructing a CHP biogas plant in Zawady, Liw Commune, Masovian Voivodeship. The plant should have a capacity of 999 kW and process agricultural waste. The contract is worth PLN 15.67 million (EUR 3.56 million) and has an implementation period of 7 months.

29.05.2020, [cleanerenergy.pl](http://cleanerenergy.pl)

[Link to source](#)



**Poland / No capacity increase for Chorzele AD plant**

The investor for the planned biogas plant in Chorzele, Masovian Voivodeship, has revoked an application for an environmental permit to increase the capacity of the project from 1 MW to 1.5 MW. Plans to build the biogas CHP plant will therefore continue according to the 1 MW permit obtained in 2017.

27.05.2020, [eprzasnysz.pl](http://eprzasnysz.pl)

[Link to source](#)

**USA / U.S. Gain closes agreement with Holsum Dairies**

Natural gas company U.S. Gain has announced to have completed a biomethane RNG offtake agreement with Holsum Dairies, consisting of the Elm Dairy and Irish Dairy farms in Hilbert, Wisconsin. U.S. Gain will acquire the equivalent of 900,000 gallons of gasoline. Digesters at both of Holsum Dairies' farms produce biogas from manure. The biogas from the Irish Dairy farm is transported to an upgrading plant at the Elm Dairy farm, where it is then injected into the natural gas network.

02.06.2020, [www.usgain.com](http://www.usgain.com)

[Link to source](#)

**USA / Public inquiry opened on Align RNG project**

The Division of Air Quality of the North Carolina Department of Environmental Quality is currently requesting public comments on a draft permit issued to Align RNG for a planned biogas upgrading plant in Turkey, Duplin County. The planned facility should receive 996 scfm of biogas from nearby, independently owned, agricultural AD projects and upgrade it to biomethane for the Piedmont Natural Gas pipeline. The public comment period on the project will end on 16 June 2020.

29.05.2020, [www.einnews.com](http://www.einnews.com)

[Link to source](#)

### **USA / Washington awards funding for dairy AD projects**

The Washington State Department of Commerce has awarded a combined funding of USD 970,000 (EUR 868,644) to AD-related projects on dairy farms through the Clean Energy Fund (CEF) under the Dairy Digester Enhancement Program. FPE Renewables in Mount Vernon will receive USD 300,000 (EUR 268,653) for the purchase and installation of an up to 20 tph depackaging system for food residuals. Edaleen Cow Power in Lynden will receive USD 300,000 (EUR 268,653) for various new equipment in order to secure a new offtake agreement. DeRuyter Dairies in Outlook will receive USD 164,145 (EUR 146,975). Organix Inc, also located in Outlook, will receive USD 205,855 (EUR 184,322) for a pilot study on processing AD digester effluents.

28.05.2020, [www.commerce.wa.gov](http://www.commerce.wa.gov)

[Link to source](#)

## **3.2 Projects biowaste**

### **Canada / Xebec secures LOI for sale of upgrading plant**

Gas purification and filtration company Xebec Adsorption has announced to have signed a letter of intent (LOI) for the sale of a biogas upgrading plant to an unnamed utility company in the Alberta Region. According to the statement, the plant cost several million CAD and will transform biogas into RNG. Xebec states it expects the letter of intent to transform into a pending order in the near future, with delivery of the plant to take place in 2021.

03.06.2020, [www.lelezard.com](http://www.lelezard.com)

[Link to source](#)

### **Canada / Durham progresses on AD plans**

Durham Regional Council, Southern Ontario, has approved continuing negotiations with multi-utility EPCOR Utilities on a joint venture agreement for developing an AD plant at the Durham York Energy Centre (DYEC) in Clarington. Recently, Clarington Council had voted to declare it is unwilling to host the facility, but plans are still continuing. The planned project should include presorting facilities for mixed waste and an AD plant. It is to process organic household waste to produce biomethane as fuel.

02.06.2020, [www.bioenergy-news.com](http://www.bioenergy-news.com)

[Link to source](#)

**Canada / Lethbridge Biogas to add upgrading plant**

Plant operator Lethbridge Biogas will extend its biogas plant in Lethbridge, Alberta, in order to produce biomethane. The company has established an offtake agreement with public utility FortisBC Energy (FEI). FEI will pay up to CAD 30 (EUR 19,79) per GJ of biomethane. The plant has been in operation since 2013 and treats various manure, sludge, industry residues and organic food waste in a mesophilic process. Currently, the biogas powers two 1.42 MW Jenbacher engines. Once the extension is completed, Lethbridge Biogas will feed the produced biomethane into the ATCO pipeline before it is fed into the FEI system.

01.06.2020, [www.cdn.fortisbc.com](http://www.cdn.fortisbc.com)

[Link to source](#)

**Canada / Dufferin RNG plant to go online in Q3/2020**

The biogas upgrading and RNG plant currently under construction at the Dufferin Solid Waste Management Facility in Toronto, Ontario, will be completed by Q3/2020. The biogas upgrading plant and a pressure swing adsorption unit were delivered by Xebec. It will produce 3.2 million m<sup>3</sup> of RNG annually for the natural gas distribution grid. Enbridge Gas Distribution Inc. will operate the plant on behalf of the City of Toronto for 15 years. It is located next to the 55,000 tpy Organics Processing Facility.

26.05.2020, [www.canadianbiomassmagazine.ca](http://www.canadianbiomassmagazine.ca)

[Link to source](#)

**Canada / Second RNG project considered in Toronto**

The City of Toronto, Ontario, is considering to develop an additional biogas upgrading plant at the existing Disco Road Organics Processing Facility. The plant currently processes 75,000 tpy of organic waste. The plant could produce about 4.6 million m<sup>3</sup> of RNG annually from the biogas produced. However, the source did not provide any further information on the potential project.

26.05.2020, [www.canadianbiomassmagazine.ca](http://www.canadianbiomassmagazine.ca)

[Link to source](#)

**China / AD project commissioned in Anji County**

Reportedly, the anaerobic digestion plant developed by Wangneng Environment Co., Ltd in Anji County, Zhejiang Province, has been completed in late 2019 and is currently in the commissioning stage. The project is to be developed in two phases with treatment capacities of 100 tpd of kitchen waste for each phase.

01.06.2020, [www.solidwaste.com.cn](http://www.solidwaste.com.cn)

[Link to source](#)

**China / AD project tender in Jingzhou**

On 1 June, a new anaerobic digestion project has been proposed to be developed in BOT mode in Jingzhou City, Hubei Province, and released its tendering announcement. The project will be developed in two phases with treatment capacities of 120 tpd and 100 tpd, respectively, entailing a total investment of RMB 109.87 million.

01.06.2020, [www.solidwaste.com.cn](http://www.solidwaste.com.cn)

[Link to source](#)

**Czech Republic / Biogas plant tender in Mladá Boleslav**

Waste management company Compag has issued a tender for the construction of a biogas plant in Mladá Boleslav, Central Bohemian Region. The plant should process 25,000 tpy of biowaste to produce electricity and heat. The contract is worth CZK 354.65 million (EUR 13.26 million) and has a duration of 29 months. Offers must be submitted by 7 August 2020.

02.06.2020, [ted.europa.eu](http://ted.europa.eu)

[Link to source](#)

**France / AD plant announced in Moret-sur-Loing-et-Orvanne**

Cap Vert Energie and the Île-de-France Region have announced to develop a new AD plant called Equimeth in Moret-sur-Loing-et-Orvanne, Seine-et-Marne. The project will cost EUR 12 million and is planned to be commissioned in H2/2021. It should treat 25,000 tpy of mainly food waste, but also horse manure from the region to produce 250 nm<sup>3</sup> of biomethane to be injected into the GrDF network.

02.06.2020, [www.usinenouvelle.com](http://www.usinenouvelle.com)

[Link to source](#)

**Italy / Decision postponed on Vercelli biomethane plans**

The so-called conference of service has postponed a decision on plans by Polioli Bioenergy srl to develop an AD project in Vercelli, Piedmont. The decision was postponed by 120 days in order for Polioli to deliver additional information on the project and reply to concerns by several opposed municipalities involved in the permit process. According to earlier information, the planned project should treat 70,000 tpy of organic waste fractions from municipal waste (FORSU), 20,000 tpy of non-hazardous agricultural waste and 15,000 tpy of organic green waste to produce biomethane.

02.06.2020, [primavercelli.it](http://primavercelli.it)

[Link to source](#)

**Italy / AD plant approved in Ragusa**

The Department of Environment and Territory of the Region of Sicily has approved plans by Chiaramonte-based company Gulfi Energia to develop an AD project in Ragusa. The facility should treat household biowaste, food waste and market waste and have a capacity of 999 kW. In nearby Modica, an agricultural AD project is currently awaiting approval.

27.05.2020, [www.radiortm.it](http://www.radiortm.it)

[Link to source](#)

**Singapore / Sanli secures subcontract for Tuas biosolids AD plant**

Engineering company Sanli M&E Engineering, subsidiary of Sanli Environmental, has secured an EPC subcontract from Chip Eng Seng for the biosolids treatment facility planned at the Tuas Water Reclamation Plant (WRP) in Tuas, West Region. Once completed in 2025, the plant will treat 800,000 m<sup>3</sup> of sludge and food waste daily to produce biogas. It will be located next to the National Environment Agency's Integrated Waste Management Facility (IWMF) to make up the Tuas Nexus project.

03.06.2020, [www.businesstimes.com.sg](http://www.businesstimes.com.sg)

[Link to source](#)

**Turkey / Strabag reports on AD projects in Sarkarya and Izmir**

German engineering and construction company Strabag Umwelttechnik GmbH has reported to be currently developing two large-scale AD plants in the regions of Sarkarya and Izmir. The plants should each have a capacity of 180,000 tpy of organic household waste and are being constructed for private clients. Both plants will include Strabag's patented LARAN technology for plug flow fermenters. The Sakarya plant should start operations in September 2020, and the Izmir plant in October 2020. Strabag also stated to be currently developing projects in Italy and China, which will be delivered on schedule despite the COVID-19 pandemic.

28.05.2020, [Strabag Pressemitteilung](#)

[Link to source](#)

### 3.3 Company news

#### Canada / Xebec and FTQ establish natural gas fund

Montreal-based company Xebec Adsorption Inc and development fund Fonds de solidarité (FTQ) have jointly founded an investment fund for natural gas called GNR Québec Capital L.P. The fund has an initial size of CAD 20 million (EUR 13.2 million), with each partner providing 50%. The fund aims to provide capital to particularly agricultural and municipal partners to develop AD plants to produce biomethane. Xebec and FTQ expect the capital to increase to up CAD 100 million in order to support up to 15 biomethane projects in Québec.

01.06.2020, [ngtnews.com](https://www.ngtnews.com)

[Link to source](#)

#### Germany / Verbio publishes Q3 2019/2020 results

German biofuels producer and supplier Verbio Vereinigte BioEnergie AG has reported figures for the first nine months of the 2019/2020 financial year. Earnings before interest, taxes, depreciation and amortisation (EBITDA) reached EUR 97.1 million, representing a 15% increase to the same period in 2018/19. Biomethane production increased by 17% to 601.6 GWh, compared to 515.4 GWh in the previous year.

29.05.2020, [www.verbio.de](http://www.verbio.de)

[Link to source](#)

#### Germany / BayWa announces results for Q1/2020

Munich-based BayWa AG has announced its results for the first quarter of 2020. In total, revenue amounted to EUR 3.9 billion, compared to EUR 4.1 billion in Q1/2019. BayWa's energy segment generated revenues of EUR 869.7 million and an EBIT of EUR -4.0 million, compared to revenues of EUR 964.1 million and EBIT of 6.9 million in Q1/2019. BayWa states the decline in earnings was mainly influenced due to a one-off effect from the sale of BMH Biomethan GmbH in Q1/2019.

07.05.2020, [www.marketscreener.com](http://www.marketscreener.com)

[Link to source](#)

**Italy / Green Arrow invests  
EUR 75 million in biomethane  
projects**

Investment company Green Arrow Capital, through its Green Arrow Energy Fund, has acquired an unnamed subsidiary of renewable energy producer Lazzari & Lucchini. According to the source, Green Arrow invested EUR 75 million to buy a majority stake of the company, which operates a biomethane plant in northern Italy, and also develop 6 new biomethane plants as well as 2 gas distribution stations. The exact location of the plants was not disclosed, but construction of one plant is completed, while the others are either under construction or in the final authorisation phase. All plants should process agricultural waste.

02.06.2020, *bebeez.it*

[Link to source](#)

**Malaysia / Cypark Resources  
takes over BAC Biogas**

Energy provider and engineering company Cypark Resources Bhd, through its subsidiary Reviva Sdn Bhd, has acquired a 51% equity stake in AD plant operator BAC Biogas Sdn Bhd for MYR 6 million (EUR 1.25 million). BAC is currently developing a 1.55 MW biogas plant in Kg Gajah, Perak State, and has signed a 16-year power purchase agreement with Tenaga Nasional Bhd.

28.05.2020, *www.theedgemarkets.com*

[Link to source](#)

**Netherlands / Renewi,  
Nordsol and Shell partner on  
LNG**

Waste disposal company Renewi has started a strategic partnership with gas provider Shell and LNG company Nordsol. Renewi will deliver biogas from AD of organic waste to Nordsol for the production of LNG to be used as fuel. Shell will distribute the produced LNG through its service stations.

03.06.2020, *www.marketscreener.com*

[Link to source](#)

**UK / Iona Capital closes debt  
deal for 11 AD projects**

Investment company Iona Capital has announced to have closed debt financing of GBP 60 million (EUR 67.36 million) for its fund Iona Environmental Infrastructure LP (IEILP), after an investment in a portfolio of 11 AD projects across the UK. According to the statement, IEILP funded the development of 4 large-scale biogas-to-grid-plants, 2 local-authority backed biogas CHP plants and 5 agricultural CHP plants. All projects are now operational, but the statement did not disclose exact locations.

28.05.2020, *www.ionacapital.co.uk*

[Link to source](#)

### 3.4 Policy & others

#### **Australia / ACT government plans to ban waste incineration**

The government of Australia Capital City (ACT), Canberra, plans to introduce a ban on the generation of energy from the incineration of waste due to several opposition to such projects in the city. The proposed ban has been included in the newly published 2020-2025 waste management policy. It relates to incineration, gasification and pyrolysis technologies, while the production and capture of methane produced from AD of biomass wastes will still be allowed.

29.05.2020, *reneweconomy.com.au*

[Link to source](#)

#### **USA / Biomass Conference in Jacksonville in 2021**

The 14th edition of the Biomass Conference & Expo will take place from 15 to 17 March 2021 at the Prime F. Osborn III Convention Center in Jacksonville, Florida. The agenda includes a subject track on biogas, which focuses on, amongst others, AD of various feedstocks and digester design. For more information please visit: [biomassconference.com](http://biomassconference.com)

15.03.2021, *biomassconference.com*

[Link to source](#)



## 4 Solid Biomass-to-Energy

### 4.1 Projects

#### Croatia / Karlovac biomass plant starts trial operations

A new biomass CHP plant in Karlovac has started trial operations. The plant named BE-TO Karlovac entailed investments of EUR 20 million and will be capable of generating 5 MW of electricity and 10 MW of heat. While the electricity will be fed into the national grid operated by Hrvatska Elektroprivreda (HEP), most of the heat to be generated at the site will be used for producing wood pellets. Discussions on a use permit for the new facility could be starting in June or July. As further stated in the source, the plant's current owner has purchased the entire project from UK-based investors.

01.06.2020, *balkangreenenergynews.com*

[Link to source](#)

#### Czech Republic / Veolia tenders boiler in Přeřov

Veolia Energie ČR, subsidiary of France-based waste management corporation Veolia, is currently tendering the supply of a multi-fuel steam boiler to the Přeřov Heating Plant. The contract includes the design, manufacturing, supply, installation and commissioning of a 40 MWth boiler suitable for the incineration of both biomass and RDF. The deadline for submitting bids is 26 June 2020.

25.05.2020, *ted.europa.eu*

[Link to source](#)

#### Germany / BtE proposal in Hünxe proceeds

The biomass district heating CHP project in Hünxe, North Rhine-Westphalia, is making progress. On 8 June, the municipal council will deal with the founding of the future plant operating company Hünxer Bioenergie GmbH. According to information from April 2019, German waste company Franz Josef Kipp GmbH & Co. KG (Kipp) plans to build the plant at the industrial estate Hünxe-Buchholtwelm. Plant developers are Kipp, the public utilities of Dinslaken and German company Koehler Renewable Energy. The EUR 40 million plant should process 139,000 tpy of landscape maintenance material, woodchips and overflows from composting. In April 2019, start of construction was expected for 2019 and commissioning for early 2022.

04.06.2020, *www.nrz.de*

[Link to source](#)

**Germany / New biomass plans in Kösching**

German plant developer and operator Prolignis is planning a biomass CHP plant in Kösching, near Ingolstadt, Bavaria. The proposed site is part of the industrial estate Interpark. The future plant should be located at a 1.7-hectare site adjacent to an existing biomass plant by wood processor Binder. A fresh wood warehouse and a new building housing at least two machine halls are planned to be built. The plant should accept both natural forest chips from the region (90%) and used wood, such as unpainted pallets or packaging wood (10%). However, the source does not provide any further information on the project.

03.06.2020, [www.donaukurier.de](http://www.donaukurier.de)

[Link to source](#)

**Germany / Dollbergen CHP plant nears start-up**

The new biomass CHP plant in Dollbergen, Lower Saxony, is expected to start operations within a few weeks. The 10 MW plant is currently facing delays because boiler cleaning takes longer than planned. Dollbergen Bioenergie GmbH (DBE) had started construction works in May 2019. The 130,000 tpy project worth EUR 40 million is carried out by main stakeholder Koehler Renewable Energy (KRE) and project developer Umwelt Management AG (UMaAG). It will be processing untreated wood such as woodchips and waste wood from industries. Steam will be supplied to the used oil recycler Avista Oil located nearby. 67,870 MWh of power will be generated annually. Commissioning was originally expected for March 2020.

01.06.2020, [www.haz.de](http://www.haz.de)

[Link to source](#)

**Japan / Chikuzen biomass plant operational**

Kyuden Mirai Energy has started operations at the Fukuoka Woody Biomass Power Plant in Chikuzen, Fukuoka Prefecture. Reportedly, the 5.7 MW plant is considered to be the first domestic wood-fired biomass power plant in Fukuoka. The plant's annual power generation should reach 40 million kWh, which equals the demand of 13,000 households.

01.06.2020, [www.kankyo-business.jp](http://www.kankyo-business.jp)

[Link to source](#)

**Netherlands / Plans for biomass plant at brewery in Gulpen-Wittem**

There are current plans for a new biomass plant at a brewery in Gulpen-Wittem, Limburg. However, the proposal for the new facility to be located at the Brand brewery in Wijlre is facing increasing doubts recently. In April 2020, local residents raised concerns on whether enough woody biomass would be available for the plant. In May, however, the municipality announced there was feedstock, evident from an investigation commissioned by the municipality itself. As further stated in the current source, the application for the plant is due to be discussed at the next Gulpen-Wittem Council meeting.

28.05.2020, [www.limburger.nl](http://www.limburger.nl)

[Link to source](#)

**Spain / New deadline for Monzón CHP project**

The Aragonese Institute for Environmental Management (Inaga) has extended an environmental authorisation to Spanish company Solmasol (Forestalia Group) for setting up a biomass plant in Monzón, Huesca. A first permit lasting for 5 years was granted in 2015. According to the prolonged authorisation, the new deadline for starting the project is 31 August 2021, with commissioning no later than 31 August 2024. Otherwise, the permit will be voided. Solmasol's project was facing strong opposition from environmental groups, but the City Council supported the plans. According to ecoprogram information, the 408,000 tpy plant should produce 170 MWth and 49 MWe.

02.06.2020, [www.heraldo.es](http://www.heraldo.es)

[Link to source](#)

**UK / Biomass CHP option at Nottingham development area**

As the source indicates, a biomass plant could potentially be constructed at a residential and commercial development site in Nottingham. The source calls the site located at Boots Island in Nottingham to be one of the largest development sites in the East Midlands. Terms between the City Council and developing company Conygar were officially approved on 1 June 2020. The source also comments on the potential for setting up a biomass CHP plant at the site. According to the City Council, if there were plans for such a facility, the developers would need to seek approvals beforehand. Plans provide for, amongst others, 630,000 square feet of offices and 907 apartments to be built at the site.

01.06.2020, [westbridgfordwire.com](http://westbridgfordwire.com)

[Link to source](#)

## 4.2 Plants

*No news in this category this week.*

### 4.3 Pellets, Pulp, Sugar & Co.

#### **Netherlands / Eemshaven plant interrupts biomass incineration**

Due to a fire on 16 May 2020, German utility RWE had to cease biomass co-firing at its coal and biomass plant Eemshaven. The 1,560 MW facility consists of two blocks and is being gradually converted to biomass. The current share of biomass is 15%. RWE started using biomass feedstock at Eemshaven in 2019 and at another plant located in Amer in 2018. RWE receives subsidies from the Dutch state.

03.06.2020, [www.energate-messenger.de](http://www.energate-messenger.de)

[Link to source](#)

#### **UK / Glennmont Partners divests Sleaford CHP plant to Greencoat**

UK-based fund manager Glennmont Partners has completed the sale of its 39 MW Sleaford CHP plant to Greencoat Capital. The straw-fired plant was commissioned in 2014 and is operated by Burmeister & Wain Scandinavian Contractor (BWSC). As further reported, the Sleaford plant was the last remaining asset of Glennmont's Clean Energy Fund I, which is worth EUR 437 million. According to ecoprolog information, Glennmont also owns the 40 MWel Margam Green Energy Plant in Port Talbot, South Wales. This plant was handed over to Glennmont in June 2019 by a consortium of Denmark-based Babcock & Wilcox Vølund (B&W) and British Interserve Construction. B&W operates the plant under a 15-year contract.

02.06.2020, [renewablesnow.com](http://renewablesnow.com)

[Link to source](#)

#### **USA / Berlin plant not affected by Cate Street Capital insolvency**

Burgess BioPower, a 75 MW biomass project in Berlin, New Hampshire, is not being affected by the insolvency of Cate Street Capital, which filed for bankruptcy in early May 2020. This is according to the company Cate Street Operations Inc. (CS Operations). In March 2018, Cate Street Capital transferred its contract to sell the power produced at the Berlin plant to CS Operations. As further reported by CS Operations, Cate Street Capital is a separate company that is tied to the Great Northern Paper mill project located in East Millinocket, Maine. In May 2019, Burgess BioPower received a USD 500,000 grant for a new thermal energy recovery system on which construction is due to start in 2021.

02.06.2020, [www.nhbr.com](http://www.nhbr.com)

[Link to source](#)

#### 4.4 Company news

No news in this category this week.

#### 4.5 Policy & others

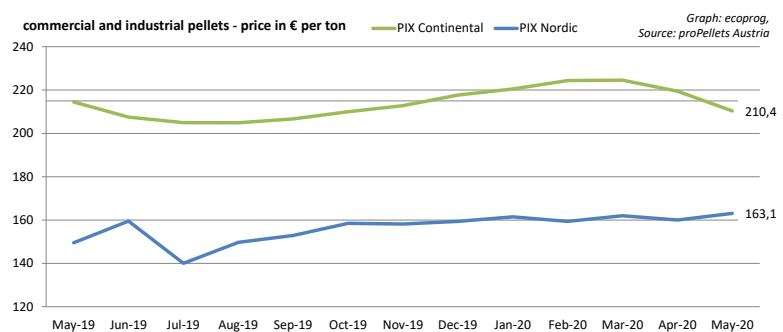
##### Finland / Pellet exports at record low in 2019

In 2019, as reported by the Natural Resources Institute of Finland, 363,000 metric tons of wood pellets were produced in the country, which is a decrease of 6% compared to 2018. Pellet imports jumped by nearly 6% to 101,000 tpy, stipulating a new record high. Imports mostly came from Russia (75%) and the Baltic states. Pellet exports, however, fell by around 30% to 30,000 tpy, marking a new record low, and were mostly delivered to Denmark. Pellet consumption in Finland itself remained stable at around 433,000 tpy.

29.05.2020, [www.biomassmagazine.com](http://www.biomassmagazine.com)

[Link to source](#)

##### Europe / May pellet market figures for Europe



The PIX Nordic Index mainly focuses on industrial pellets used in the Nordic and Baltic region (PIX Nordic) and amounted to an average of 163.1 EUR/t in May 2020. The PIX Continental Price Index focuses on pellets used in small power plants and commercial applications (hotels, greenhouses) in Germany and Austria and therefore generally features higher prices per ton; in May 2020, the average price amounted to 210.4 EUR/t.

04.06.2020, [www.propellets.at](http://www.propellets.at)

[Link to source](#)

**Namibia / Update on  
Namibian-German biomass  
partnership**

The proposed partnership on biomass supply between Namibia and Germany is making progress. According to a recent statement by the Namibia Biomass Industry Group (N-BiG), both sides are currently considering to explore the benefits of such a climate partnership. In September 2019, a Namibian delegation attended the 19th International Conference on Wood Energy in Würzburg, Bavaria, to present itself as a potential business partner. As further stated by N-BiG back then, only 1.36 million tpy of bush biomass are currently being utilised in Namibia, while according to the German Wood Energy Association, 300 million tons of biomass are available to harvest in the country.

28.05.2020, [www.namibian.com.na](http://www.namibian.com.na)

[Link to source](#)

**Netherlands / Biomass  
consumption jumps by 15%  
in 2019**

According to recent figures by Statistics Netherlands, in 2019, energy consumption from renewable sources increased by 16% to 181 petajoules on a year-on-year basis. Hence, the country has surpassed the 14% goal agreed upon with the EU. More than half of the increase was attributable to biomass and this in turn was mainly due to an increased use of biodiesel and biogasoline in power plants. As further reported, biomass accounted for 60% of the total RE amount (+15% to 106 petajoules) and 5.06% of the country's total energy consumption of 2,100 petajoules.

29.05.2020, [nltimes.nl](http://nltimes.nl)

[Link to source](#)

**Nigeria / NERC announces  
new RE target for 2020**

The Nigerian Electricity Regulatory Commission (NERC) has determined a new RE target for 2020. A minimum of 2,000 MW of electricity is intended to be generated this year through guaranteed prices and access to the grid. Measures to be taken include net metering for capacities below 1 MW as well as feed-in tariff schemes for the range of up to 5 MW of solar, 10 MW of wind, 10 MW of biomass and 30 MW of small hydro. Above 30 MW, plans provide for a competitive tender that is already approved through the Nigerian Bulk Electricity Traders (NBET).

02.06.2020, [www.sunnewsonline.com](http://www.sunnewsonline.com)

[Link to source](#)

**Philippines / Around 30 MW left for biomass installation target**

The Philippines has not yet met its installation goals for renewable energies. The country's Department of Energy assigned targets of 250 MW each for RE from hydro and biomass sources. As of March 2020, there was a balance of 105.39 MW out of the 250 MW subscription target for hydro energy and 29.435 MW for biomass energy. This is despite a 2-year extension of the feed-in-tariff (FIT) incentive schemes. The DOE prolonged the targets to 31 December 2019 or until full subscription is reached. There are currently 26 biomass projects with a combined capacity of 220.565 MW, and all of them have secured certificates of endorsement from the Energy Regulatory Commission (ERC).

*31.05.2020, [businessmirror.com.ph](https://businessmirror.com.ph)*

[Link to source](#)

**USA / Biomass Conference in Jacksonville in 2021**

The 14th edition of the Biomass Conference & Expo will take place from 15 to 17 March 2021 at the Prime F. Osborn III Convention Center in Jacksonville, Florida. The agenda also includes biomass power generation. For more information please visit: [biomassconference.com](https://biomassconference.com)

*15.03.2021, [biomassconference.com](https://biomassconference.com)*

[Link to source](#)

## 5 Other waste streams

### 5.1 Other organic waste treatment

#### Spain / Jorba composting plant to increase capacity

The Jorba composting plant in Anoia will be refurbished by the local authorities. This should allow a capacity of 10,000 tpy of waste to be treated at the facility. The Waste Agency of Catalonia, Agencia de Residuos de Catalunya (ARC), will grant EUR 4.4 million towards the improvement. Initially, the direct subsidy was expected to amount to EUR 2.5 million, but has been increased on behalf of the local government.

01.06.2020, [www.retema.es](http://www.retema.es)

[Link to source](#)

### 5.2 Landfills & landfill gas

#### Czech Republic / Construction works tender in Týn nad Vltavou

Kompostárna Jarosovice sro is currently tendering the construction of a biogas station at a waste processing plant in Týn nad Vltavou, South Bohemia. This includes a gas cleaning station as well as a CNG filling station and pipeline. The deadline for submissions has postponed from 1 June 2020 to 8 June 2020.

27.05.2020, [ted.europa.eu](http://ted.europa.eu)

[Link to source](#)

#### Germany / Tender for sealing of Dortmund landfill

The City of Dortmund, North Rhine-Westphalia, is currently tendering construction works at the landfill Dortmund-Nordost. The contracting authority is Deponiesondervermögen der Stadt Dortmund über EDG - Entsorgung Dortmund GmbH. A basic sealing system should be installed. Submissions have to be admitted until 29 August 2020.

02.06.2020, [ted.europa.eu](http://ted.europa.eu)

[Link to source](#)



### **USA / New landfill to be constructed in Wisconsin**

Plans have been unveiled for the construction of a multi-county landfill in Wisconsin. According to the source, construction has started at a landfill which will serve three counties, namely the Wisconsin counties of Brown, Outagamie and Winnebago. The landfill is planned with a 13-year solid waste storage capacity and will be located on a 313-acre site in southern Brown County. It is expected to start receiving waste by 2022. The project's initial phase should cost USD 20 million (EUR 17.8 million).

26.05.2020, [www.wastetodaymagazine.com](http://www.wastetodaymagazine.com)

[Link to source](#)

## **5.3 C&D, hazardous and others**

### **Germany / KÜTTNER MARTIN resumes Outotec activities**

Munich-based company KÜTTNER MARTIN Technology GmbH has resumed the combustion of sewage sludge technologies from Outotec. As stated in the source, both parties decided not to publish further details on the agreement. KÜTTNER MARTIN specialises in the mono-combustion of sewage sludge using fluidised bed technology.

29.05.2020, [www.martingmbh.de](http://www.martingmbh.de)

[Link to source](#)

### **Germany / Enercity to thermally process Hannover sewage sludge**

A new contract has been awarded to energy provider Enercity for the incineration of about 56,000 tons of sewage sludge that will be sent from the city of Hannover, Lower Saxony. The 25-year sewage disposal contract should commence on 1 January 2023. As further stated, Enercity plans to construct a sewage sludge incineration plant in Hannover-Lahe. The plant should be connected to an already established Hannover district heating network. The new sewage sludge incineration plant is scheduled to become operational by 2023 and should supply about 50 GWh of heat into the district heating pipes.

28.05.2020, [www.euwid-recycling.de](http://www.euwid-recycling.de)

[Link to source](#)

**Saudi Arabia / C&D waste recycling plant to be operational soon**

Developed under the MoU signed in July 2019 between Saudi Investment Recycling Company (SIRC), the National Center for Waste Management and the Al-Riyadh Municipality, a new C&D recycling plant is in the final stages of construction in Al Khair, Riyadh. The facility covers over 1.3 million m<sup>2</sup> and has a capacity of 600 tph and 20 million tpy, once fully operational. From mid-June onwards, waste will be transmitted to the facility, which is expected to work at full capacity by the end of July and achieve recycling rates of over 90%.

03.06.2020, [saudigazette.com.sa](http://saudigazette.com.sa)

[Link to source](#)

**Sweden / Plans for mining waste recycling pilot plant**

LKAB Minerals has unveiled plans for the setup of a pilot plant, which should produce apatite from mining waste. The mobile pilot plant will be built in container platforms for the ease of mobility between LKAB's operating locations in Kiruna and Malmberget. The company estimates the production of about 400,000 tpy of apatite in two plants. The project aims at recycling rare earth metals and phosphorus-based mineral fertiliser products from LKAB's waste sand.

01.06.2020, [www.recyclingnet.se](http://www.recyclingnet.se)

[Link to source](#)

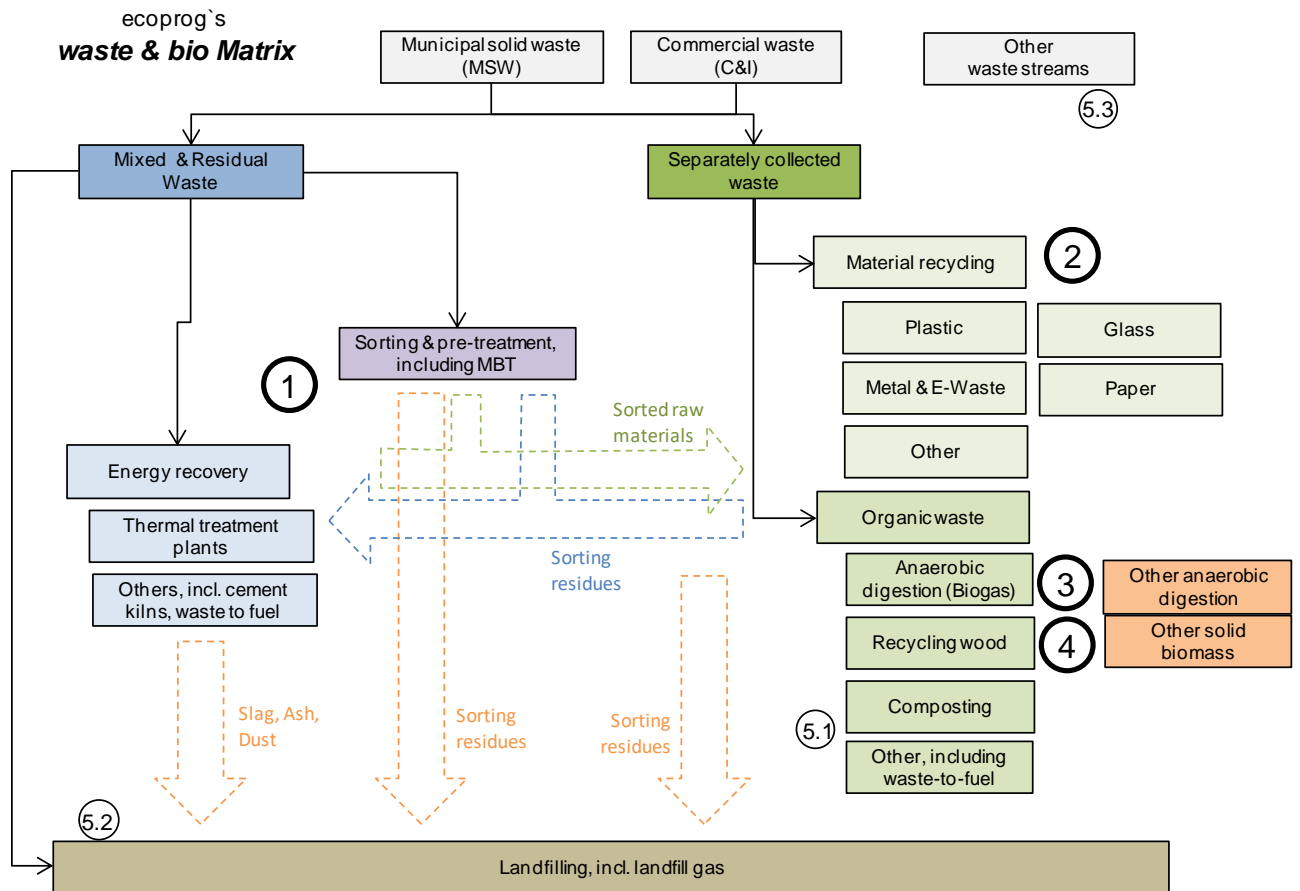
**USA / Meridian opens new MRF in Christiansburg**

Charlotte-based company Meridian Waste has opened the Blue Ridge MRF plant on 1 June 2020. Located in Christiansburg, Virginia, the plant will be able to process a variety of waste types, including municipal solid waste, C&D waste, metal, wood, cardboard waste and tyres. Information on the capacity of the plant has not been published.

02.06.2020, [www.recyclingtoday.com](http://www.recyclingtoday.com)

[Link to source](#)

## Methodology



ecoprogram's **waste & bio Infrastructure Monitor** focuses on infrastructure projects and related news in the waste and bioenergy business according to the following system:

1  
Plants for the treatment of mixed waste streams from households and businesses. This includes all mechanical technologies or biological treatment technologies. It also includes energy recovery plants, e. g. thermal treatment plants (Waste-to-Energy plants), RDF plants and cement kilns.

2  
Plants for the (further) sorting of waste streams to produce secondary raw materials that can be used by the original industry, e. g. plastic granulate for producers of plastic.

3  
Anaerobic digestion plants (biogas plants). Due to the similar technology, this chapter also regards non-waste fuels, such as agricultural feedstocks.

4  
Solid biomass power plants. Due to the similar technology, this chapter also regards non-waste fuels, such as untreated wood, black liquor or bagasse.

5  
Other treatment plants for organic waste, such as composting plants; landfill gas and large landfill projects; infrastructure for non-MSW and non-C&I waste streams, such as hazardous waste or construction & demolition waste.

## General information

ecoprolog's *waste & bio Infrastructure Monitor* is a weekly media monitoring service with a focus on the global waste and bioenergy industry. It reviews scientific, press and online sources related to the waste and bioenergy business in more than 20 countries and languages worldwide.

ecoprolog's *waste & bio Infrastructure Monitor* is compiled and issued by ecoprolog GmbH, a management consultancy in the environment and energy business.

If you should have any queries, suggestions or proposals, please feel free to contact us at any time.

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All figures, information and statements have been thoroughly researched, but we accept no liability for their correctness. Solely the statements in the complete articles of the given sources are valid.

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