



Greatmoor WtE plant in Buckinghamshire, UK, with kind permission of Tribe Infrastructure Group

Waste-to-Energy Monitor

23 / 2020

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issue 23, 20. November 2020

Copy: free copy, ecoprolog GmbH

1 Projects

Australia / Proposal submitted for Eastern Creek WtE project

Melbourne-based company Cleanaway has submitted a proposal to build a WtE facility at Eastern Creek, New South Wales, to the NSW Department of Planning, Industry and Environment. Blacktown City Council is now proving all concerns and objections submitted by the council itself and wants to screen Cleanaway's environmental impact assessment. Especially the proposed location for the 500,000 tpy WtE project at the Western Sydney Parklands raised concerns, due to the possible environmental impact for the area.

17.11.2020, www.miragenews.com

[Link to source](#)

China / Tender published for new WtE project in Fang County

As reported on 13 November 2020, the new WtE project to be built in Fang County, Hubei Province, has started tendering for a private developer. The first phase of the project will have a treatment capacity of 500 tpd, consist of a 500 tpd grate furnace and entail a total investment of RMB 300 million (EUR 38.5 million). The plant will be developed in BOT mode with a concession period of 30 years.

17.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / WtE plant commissioned in Tengchong

The WtE plant developed by China Conch Venture Holdings Limited in Tengchong City, Yunnan Province, has started commissioning on 10 November 2020. The plant has a treatment capacity of 300 tpd, consists of a 300 tpd grate furnace and a 6 MW steam turbine generator set and entailed a total investment of RMB 150 million (EUR 19.3 million).

16.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / Ulanqab WtE plant in commissioning phase

The WtE plant built in Tsining District of Ulanqab, Inner Mongolia, has started commissioning on 15 November 2020. The project, transferred from Anhui Shengyun to Grandblue Environment Co., Ltd in October 2019, has a treatment capacity of 800 tpd and entailed a total investment of RMB 340 million (EUR 43.7 million).

16.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / New WtE project to be developed in Jiaozuo

A new WtE project was proposed to be built in the West Venous Industrial Park of Jiaozuo City, Henan Province, and has started tendering for a developer on 13 November 2020. The plant will have a treatment capacity of 1,500 tpd, while 2x500 tpd grate furnaces and a 20 MW condensing steam turbine generator set will be installed in project phase 1, entailing a total investment of RMB 608 million (EUR 78.1 million).

16.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / Plans for new WtE plant in Yichang

As announced on 27 October 2020, a new WtE project planned in Yichang City, Hubei Province, had started tendering for its franchise developer. By 12 November 2020, eight candidates including Capital Environment Holdings Limited were competing for the project. The plant will be developed in two phases with treatment capacities of 1,500 tpd and 750 tpd, respectively, entailing a total investment of RMB 930 million (EUR 119.4 million).

16.11.2020, www.solidwaste.com.cn

[Link to source](#)

**China / Developer confirmed
for WtE project in Chongqing**

According to an announcement released on 13 November 2020, Chongqing Sanfeng Environment Group Corp., Ltd has been selected as the developer of the Qianjiang Waste-to-Energy Project planned in Qianjiang District of Chongqing City. The plant will be developed in two phases with treatment capacities of 350 tpd each and entail a total investment of RMB 302 million (EUR 38.78 million). A 350 tpd grate furnace and a 9 MW steam turbine generator set will be developed in project phase 1.

13.11.2020, www.solidwaste.com.cn

[Link to source](#)

**China / WtE project tender in
Dengzhou**

A new WtE project planned in Dengzhou City, Henan Province, has started tendering for the EPC contractor on 7 November 2020. The plant is designed to be developed in two phases with a treatment capacity of 1,500 tpd, entailing a total investment of RMB 580 million (EUR 47.5 million). 2x500 tpd grate furnaces and a 20 MW steam turbine generator will be installed in phase 1 and one 500 tpd grate furnace and a 10 MW steam turbine generator set will be developed in phase 2.

13.11.2020, www.solidwaste.com.cn

[Link to source](#)

**China / Developer confirmed
for WtE project in Longnan**

A new WtE project is proposed to be built in Longnan City, Jiangxi Province, and China National Environmental Protection Group has confirmed as the developer of the project. The plant will be developed in two phases with a treatment capacity of 500 tpd each, entailing a total investment of RMB 432.52 million (EUR 55.3 million).

10.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / Phase 1 of WtE plant in Aksu to start operations soon

Reportedly, the WtE plant developed by Chongqing Sanfeng Covanta Environmental Industry Co Ltd in Aksu Prefecture, Xinjiang Region, has completed facility testing and was ready to start power generation by 10 November 2020. The first plan phase, which is ready for operations, has a treatment capacity of 700 tpd, consisting of 2x350 tpd grate furnaces and a 12 MW steam turbine generator. According to information from May 2019, the plant will be developed in two phases with a total investment of RMB 400 million. The second phase includes a 350 tpd WtE unit and a 6 MW steam turbine generator.

09.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / WtE upgrading project tender in Nanchang

On 9 November 2020, the Quanling WtE upgrading project proposed in Nanchang City, Jiangxi Province, has started tendering for an EPC contractor. The project, invested by Capital Environment Holdings Limited, will have a treatment capacity of 1,200 tpd, consisting of 2x600 tpd grate furnaces and a 40 MW steam turbine generator set. The total investment should reach RMB 908 million (EUR 116.1 million).

09.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / Shangrao WtE plant to start commissioning

The WtE plant developed by China Everbright International Limited in the Economic Development Zone of Shangrao City, Jiangxi Province, has completed facility testing and it is planned to start commissioning by 15 November 2020. The project has a treatment capacity of 1,500 tpd, consisting 2x750 grate furnaces, and entailed a total investment of RMB 1.08 billion (EUR 138.1 million).

09.11.2020, www.solidwaste.com.cn

[Link to source](#)

China / WtE plant goes online in Feng County

The new WtE plant in Feng County, Xuzhou City, Jiangsu Province, has started operations on 30 October 2020. It was developed by China Everbright International Limited under a franchise agreement with a concession period of 30 years, has a treatment capacity of 1,000 tpd and consists of 2x500 WtE units. The investment sum is said to amount to RMB 547 million (EUR 69.9 million).

05.11.2020, www.solidwaste.com.cn

[Link to source](#)

Germany / Standardkessel Baumgarte to equip Stapelfeld WtE plant

German plant manufacturer Standardkessel Baumgarte GmbH has been contracted to supply a steam generator and grate furnace to the new WtE plant in Stapelfeld, Schleswig-Holstein. The future plant near Hamburg will replace an existing WtE facility, which is also operated by EEW Energy from Waste. A sewage sludge incineration plant will be constructed as well, next to the WtE plant. Both projects are estimated to cost between EUR 150 million and EUR 200 million and start operations in 2023. The WtE plant's combustion heat output will be 120 MW and its steam output will reach 145 tph.

19.11.2020, www.standardkessel-baumgarte.com

[Link to source](#)

Germany / LEAG expects trial run in Boxberg for late 2022

Lausitzer Braunkohle AG (LEAG) plans to start trial runs with SRF at its coal-fired power plant in Boxberg, Saxony, in 2022. The company is currently preparing the approval process in order to achieve its goals to use 300,000 tpy of SRF at the plant. If approved, regular SRF incineration should start by 2023.

12.11.2020, www.saechsische.de

[Link to source](#)

**India / Bandhwari WtE project
de facto rejected**

At a recent council meeting, the Municipal Corporation of Gurugram (MCG) has demanded to withdraw its current waste management contract with Chinese company Ecogreen Energy Private Limited. According to MCG, Ecogreen failed to set up a WtE plant at the Bandhwari landfill within 3 years, as it was agreed upon in a memorandum of understanding (MoU) back in 2017. As further stated, Ecogreen demanded INR 7 billion (EUR 79.75 million) for the project and INR 2 billion (EUR 22.79 million) was already paid by MCG. In August 2017, an MoU was signed between Ecogreen and the Directorate of Urban Local Bodies (ULB), the Municipal Corporation of Gurugram (MCG) and the Municipal Corporation of Faridabad (MCF).

19.11.2020, www.dailypioneer.com

[Link to source](#)

**India / WtE plant to be
evaluated for Gorai landfill
site**

The Brihanmumbai Municipal Corporation (BMC) has directed the Indian Institute of Technology (IIT) to undertake a feasibility study in order to study the possibility of a WtE project at the Gorai landfill in Mumbai. The 19-acre landfill is saturated and should be replaced by the WtE project. According to the source, the feasibility study should be completed within 6 months.

19.11.2020, www.mumbailive.com

[Link to source](#)

**India / NGT supports three
current WtE projects**

India's National Green Tribunal (NGT) has ordered that both the Central Pollution Control Board (CPCB) and the Delhi Pollution Control Committee (DPCC) must issue suitable directions for compliance with three current WtE projects in Ghazipur, Okhla and Bawana. Monitoring was conducted for these projects from February to March 2020 and several recommendations for improvement have been made. Petitions were raised, amongst others, that the Okhla WtE plant should not be built next to a sewage treatment plant. According to the NGT, however, the location was not against the law.

15.11.2020, www.republicworld.com

[Link to source](#)

India / Committee evaluates bids for Brahmapuram WtE project

The Department of Local Self-Governments has arranged a technical committee comprising six members instructed to evaluate the bidding process of the Brahmapuram WtE project. Accordingly, the committee should prove eligibility requirements of the two consortiums that were chosen. However, the committee still needs the governmental approval for its procedure. The chosen company would receive leasehold rights of the proposed site for 27 years. The 300 tpd WtE project is currently facing several delays due to the difficult legal situation and the COVID-19 pandemic.

13.11.2020, www.thehindu.com

[Link to source](#)

India / Jawaharnagar WtE plant inaugurated

The WtE plant at the Jawaharnagar (or Jawahar Nagar) landfill has been inaugurated on 10 November 2020 by the Minister for Municipal Administration and Urban Development. In a first testing phase, the facility will incinerate 1,200 tpd (2 boilers with 600 tpd) of waste with an output of 19.8 MW. In the second phase, this should be extended by another 1,200 tpd and 28 MW. 40% of the waste should be processed into RDF.

11.11.2020, www.newindianexpress.com

[Link to source](#)

India / Agreement for Chikkanagamangala WtE project cancelled

Bengaluru Mahanagara Palike (BBMP), Karnataka, has cancelled its agreement with French company 3Wayste regarding a WtE project in Chikkanagamangala. Accordingly, 3Wayste was said to not have shown enough interest in establishing the plant and BBMP had planned to cancel the contract already this summer. The MoU, signed in 2018, had envisaged the establishment of a 500 tpd WtE plant with an investment of INR 2.5 billion (USD 35 million).

10.11.2020, bangaloremirror.indiatimes.com

[Link to source](#)

India / Another WtE plant to be built in Rajkot

A second WtE facility will be constructed at the Nakaravadi landfill site in Rajkot Municipality, Gujarat. The 14.9 MW facility will cost the private developer INR 1.35 billion (EUR 15.38 million) and will be capable of processing 600 tpd, 100 tpd of which will be old waste that is already at the site. While the initial time schedule provided for a start-up in June 2021, works on the proposal were delayed due to the COVID-19 pandemic. Construction is now due to commence shortly and to be completed within a year. A first WtE unit was inaugurated at the location in early 2020.

09.11.2020, ahmedabadmirror.indiatimes.com

[Link to source](#)

Italy / Expansion of Corteolona WtE plant on hold

The capacity increase of A2A's WtE plant in Corteolona, Lombardy, has been put on hold for the time being. Reportedly, the stop is due to the reclamation of the groundwater, where pollution by chlorinated solvents was identified. Further contamination was found at ground level. A2A first announced the expansion plans in early 2017. The company was seeking a simplified procedure but it has not received permission, neither from the Regional Environmental Protection Agency (Arpa) nor from the Province of Lombardy. As of today, the plant operates with an electricity capacity of 8.1 MW and an intake of around 69,120 tpy of waste. The expansion should result in 30 MW and 230,000 tpy.

11.11.2020, laprovinciapavese.gelocal.it

[Link to source](#)

Mexico / New WtE facility could be built in Mazatlán

A WtE plant could be constructed in the city of Mazatlán, Sinaloa. The proposal has been discussed in the City Council for more than a year. Of the four proposals, three include WtE technology and the fourth is a sanitary landfill. According to the Director of Ecology and Environment, as the municipal landfill is at 98% of its capacity, finding a solution was now crucial. According to the Director, the most favourable option was a WtE facility rather than a sanitary landfill. A WtE facility, as further stated by the official, would have several benefits, including the option for private investment. However, the source does not comment on the size of the current proposals.

06.11.2020, www.elsoldemazatlan.com.mx

[Link to source](#)

Poland / Starachowice WtE tender withdrawn

The tender for an RDF incineration project in Starachowice, Świętokrzyskie Voivodeship, has been cancelled by Zakład Energetyki Ciepłej (ZEC) because the two bids submitted were too expensive. ZEC now plans to start a new tender procedure. ZEC had allocated PLN 60 million for the construction, however, both bids were exceeding PLN 80 million. The plant was due to be ready in 3 years.

14.11.2020, www.radio.kielce.pl

[Link to source](#)

Poland / Construction started at Olsztyn WtE project

Austria-based construction company Strabag has commenced construction works at the 110,000 tpy RDF plant in Olsztyn, Warmian-Masurian Voivodeship. In August 2020, South Korea-based company Doosan Heavy Industries & Construction (Doosan HI & C) was granted the contract to construct the 12 MW plant, while German subsidiary Doosan Lentjes will deliver boiler and incineration systems. Dobra Energia dla Olsztyna will own and operate the facility, for which commissioning is expected in 2023. According to the current source, Strabag has an implementation deadline until July 2023.

09.11.2020, www.wnp.pl

[Link to source](#)

Poland / New WtE proposal in Bielsk Podlaski

New plans have been announced for setting up a WtE plant in Bielsk Podlaski, Podlaskie Voivodeship. Municipal companies Przedsiębiorstwo Komunalne and Miejskie Przedsiębiorstwo Energetyki Ciepłej have signed a letter of intent with construction firm Unibep. However, this letter does not imply any financial obligations. The project partners will soon develop a joint schedule for the development. The investment remains subject to obtaining subsidies, which in turn depends on the Ministry of the Environment.

07.11.2020, bielsk.eu

[Link to source](#)

Poland / RDF project in Starachowice could be retendered

The current RDF incineration project in Starachowice, Świętokrzyskie Voivodeship, could be retendered. The tender deadline has already been prolonged for several times, with the latest deadline on 3 November 2020. Background to the possible retender is insufficient funds for the project. Zakład Energetyki Ciepłej has so far allocated PLN 60 million for the construction, however, both bids are exceeding PLN 80 million. The tender will therefore probably be announced again. ZEC plans to apply for external subsidies for this purpose. The installation is to be ready in 3 years. The tender searches for a company for the design and construction process of the facility. Plans also provide for an RDF production plant, which should process, amongst others, plastic waste into RDF.

05.11.2020, www.radio.kielce.pl

[Link to source](#)

Russia / Contracts signed for small WtE plants in Moscow Region

The Government of the Moscow Region has signed an agreement on the implementation of pilot-scale mini CHP plants using fuel gasification in the region of Moscow. However, the source does not provide any information on the actual size of the proposed facilities. Construction should begin by the end of 2020 and is scheduled to be completed in mid-2022. The pilot plants will be implemented in the districts of Zaraysk, Roshal and Stupino with financial support by FT-Capital Company.

02.11.2020, rcmm.ru

[Link to source](#)

Russia / WtE proposal rejected in Leningrad

The idea of building a new WtE unit close to the City of Gatchina, Leningrad, has been rejected. According to the source, the governor of the Leningrad Region gave an order to change the land use regulations for the proposed site, due to which the construction of a new WtE plant will not be possible.

05.10.2020, pb.aif.ru

[Link to source](#)

Senegal / Company considers to build WtE gasifier in Sindia

Senegalese capital company Savoie considers building a WtE plant using gasification in Sindia, Senegal. It should process 200 to 400 tpd of waste with an investment of XOF 11 billion (EUR 16.8 million). However, this proposal is part of a long-term plan and therefore remains in early stages. With a required estimated investment of XOF 2 billion (EUR 3.05 million), another waste plant should be built by Savoie, prior to the WtE facility. This facility should have a capacity of 100 to 200 tbd and provide sorting and composting of waste. Waste from communes of Sindia, Mbour, Saly, Nguékhokh, Diass and Popounguin will be treated, according to Savoie.

12.11.2020, www.afrik21.africa

[Link to source](#)

South Korea / Plans for WtE facility in Mokpo continue

There are still plans to construct a WtE plant in the city of Mokpo, South Jeolla Province. A feasibility study was conducted in May 2018 and an agreement was signed with Sinan County (Shinangun). The background of the plans is that the landfills are saturated by more than 98%. In September 2018, a proposal for a private investment for a 220 WtE plant (as ecoprolog understands, this relates to 220 tpd) was lodged. Later on, a conflict developed between the City of Mokpo and Mokpo City Council. Many members of the City Council demand responsibility for all project stages rather than a private investment project. The dispute continues for different aspects. As of October 2020, Mokpo City decided to listen to experts' opinions.

30.10.2020, www.honamtimes.com

[Link to source](#)

South Korea / New WtE plans proposed in Incheon

The WtE plants in the city of Incheon are due to be modernised. As implied in the source, the goal is not simply to increase the plants' incineration capacities but rather to also obtain fuel and energy from the process. The city plans to divide the entire Incheon area into six regions, namely the North, South, Middle, Eastern and the Island Regions as well as to operate one "area-wide" WtE plant. However, the facilities in Cheongna, Seo-gu, and Songdo, Yeonsu-gu, will continue to operate. The source does not comment on whether or not the area-wide WtE plant will cover several or all of the city areas neither does it provide any information on the current status of this existing plant or new project.

22.10.2020, www.incheonilbo.com

[Link to source](#)

Thailand / Signing ceremony held for WtE project in Ayutthaya

A signing ceremony for a WtE plant has been held in the city of Ayutthaya (officially Phra Nakhon Si Ayutthaya), Ayutthaya Province. As stated in the source, the plant should be able to generate 9.9 MWel to be sold to the Provincial Electricity Authority. However, the source does not provide any information on the current time schedule of the project. Moreover, in September 2019, the province was preparing to sign a contract for a 6.5 MW plant rather than 9.9 MW. As further stated in September, 300 tpd of MSW should be converted into RDF and both an MBT and a stoker-type incineration plant were being planned. It therefore remains uncertain whether the new source relates to the WtE project announced earlier or to a new proposal.

18.11.2020, www.dailynews.co.th

[Link to source](#)

Thailand / Chachoengsao considers new WtE facility

As the source indicates, there are current plans for a 100,00 tpy WtE facility to be built in the Province of Chachoengsao. However, the source does not provide its current status. As ecoprolog understands, the plant was announced in 2019 and is now in planning stage. The proposal is part of a long-term development plan for handling the increasing waste amounts from urban expansion. This plan has been developed by the former President of the Provincial Administrative Organization, who has recently visited the Phanom Sarakham area, Khao Hin Son subdistrict, to inspect a landfill. In 2016, the waste facilities in Chachoengsao had a combined capacity of 150 tpd or 50,000 tpy from 42 subdistricts.

08.11.2020, siamrath.co.th

[Link to source](#)

Turkey / Kontrolmatik to supply DCS for Istanbul WtE project

Kontrolmatik has signed a contract to supply a Distributed Control System (DCS) for the WtE project in Istanbul. The value of the contract is EUR 450,257 plus VAT. Works are planned to be completed in April 2021. The WtE project in Istanbul is supposed to have a capacity of more than 1 million tpy of MSW.

03.11.2020, tr.investing.com

[Link to source](#)

UK / New consultation to start on Alton WtE proposal

A new public consultation on Veolia UK's 330,000 tpy plant WtE project in Alton, North Hampshire, England, will be launched. This has now been confirmed by the competent authorities. However, further details, which also includes a date for the start of the consultation, have not yet been announced. As of October 2020, the project received 3,300 objections after public consultations ended on 14 August 2020. The plant, officially known as the Alton Energy Recovery Facility, is to be built at an existing materials recycling facility and waste transfer station near Holybourne.

19.11.2020, www.hampshirechronicle.co.uk

[Link to source](#)

UK / Developers seek environmental permits for Bridgwater project

The developers of the WtE project in Bridgwater, Somerset, have applied for environmental permits. A correspondent public consultation is due to run until 15 December 2020. The plant is currently under construction and expected to become operational by 2021. The GBP 72 million project is funded by Equitix and Iona Capital. According to updated plans, the plant's capacity amounts to 130,000 tpy of commercial and municipal RDF, contrary to earlier announcements of only 100,000 tpy. STC Power started construction works in 2019. The formerly planned gasification technology was switched to grate combustion of RDF in 2018. Pinnacle Power will operate the facility.

17.11.2020, consult.environment-agency.gov.uk

[Link to source](#)

UK / Polmont WtE project approved

The planning application regarding the Polmont WtE project in Falkirk has been approved by Falkirk City Council on 5 November 2020. Avondale Holdings Ltd submitted a request for approval for its 150,000 tpy WtE plant by the end of 2019 and can now move forward with its project to set up the facility at the Avondale Quarry landfill.

15.11.2020, www.falkirkherald.co.uk

[Link to source](#)

UK / New WtE project in Teesside for 2024

PD Ports and Wentworth Clean Power Limited (WCP) have signed an agreement to establish a GBP 230 million WtE project in Teesside. The so-called Teesport Renewable Energy Centre should be commissioned in the second half of 2024. As stated in the source, the plant's capacity should be 300,000 tpy of unspecified waste with an output of 30 MW. Further steps will now include the preparation of an official application.

10.11.2020, hub-4.com

[Link to source](#)

UK / Crapper and Sons wants to expand RDF facility

Waste management company Crapper and Sons Landfill has started a public consultation with the Environmental Agency with the purpose of expanding the RDF capacity of its RDF incineration plant in Wiltshire, South West England. The consultation, running until 4 December 2020, envisages the discussion of increasing the current capacity of 45,000 tpy to 76,000 tpy of RDF. The source also indicates the expansion and overhaul of a biomass gasification plant and a material recycling facility using mixed waste. The MRF's capacity should be increased from 80,000 tpy to 140,000 tpy.

09.11.2020, consult.environment-agency.gov.uk

[Link to source](#)

UK / Value of Bedford Council waste contract announced

The waste contract signed in October 2020 by Bedford Borough Council and Central Bedfordshire Council with waste manager Veolia is worth GBP 179.3 million. This has been announced in a recent contract award notice. The councils will send their waste to the Rookery South WtE plant in Bedfordshire as soon as it gets operational. Veolia had started the construction of the 585,000 tpy facility along with US-based plant operator Covanta in March 2019.

09.11.2020, ted.europa.eu

[Link to source](#)

UK / Arc21 project near Belfast remains in planning stage

The residual waste treatment project by Arc21 in Hightown Quarry, Mallusk, near Belfast, remains in its planning stage despite the attempt of the Northern Ireland Department of Environment to enforce it. The project cost is expected to amount to GBP 240 million (EUR 284 million).

05.11.2020, www.letsrecycle.com

[Link to source](#)

UK / Fife WtE project behind schedule

After announcing in May 2019 that construction works at the Fife WtE project on the site of the former Westfield coal mine will start in March 2020, the project is now behind schedule. Westfield Energy Limited has submitted the application for a building permit of a solar park. The plans for the solar park include the installation of static photovoltaic panels built on a steel and aluminium frame with an area of 80 acres.

05.11.2020, www.fifetoday.co.uk

[Link to source](#)

2 Plants

Germany / Refurbishment works at Ulm WtE facility

The WtE facility in Ulm, Baden-Württemberg, will be modernised. According to the plant operator's 2021 business plan, maintenance works worth EUR 6 million are planned for 2020 at various plant parts, including the turbine control, central control centre, flue gas cleaning and belt protection. The plant is operated by public waste management association Thermische Abfallverwertung Donautal (TAD). For 2021, the plant is anticipated to work at full capacity with an expected annual throughput of around 165,000 tpy.

16.11.2020, www.schwaebische.de

[Link to source](#)

Germany / Plans for Heringen WtE plant to increase capacity

EEW Energy from Waste wants to increase the operating time and the capacity of its WtE plant in Heringen, Hesse. Once granted official approval, the company plans to increase the annual operating time by 7% from 8,200 to 8,760 hours per year and the annual waste throughput by 16% from 297,600 to 345,000 tpy. According to the source, construction works will not be necessary to realise this. For the past 10 years, the amount of waste treated in Heringen has increased by around 10%. Approximately 950,000 MWh in the form of steam will be provided to chemical company K+S.

13.11.2020, osthessen-news.de

[Link to source](#)

Netherlands / Andusia to deliver RDF to AVR Rozenburg

Andusia has entered a collaboration with Norwich-based M.W. White Ltd. planning to supply the AVR WtE plant in Rozenburg, Rotterdam with RDF. The contract envisages the delivery of 7,000 tpy of RDF.

05.11.2020, www.andusia.co.uk

[Link to source](#)

Netherlands / New operator for Harlingen WtE plant

The operating contract for the Harlingen WtE plant in Friesland with Attero expires on 31 December 2021. Therefore, Westerkwartier City Council has decided to switch to Friesland-based company Omrin (also called Afvalsturing Friesland NV). According to the source, Omrin offers lower rates and the plant would therefore save costs. Westerkwartier City Council achieved to remain the co-owner of the plant, buying 50 shares amounting to EUR 152,000.

21.10.2020, www.rtvnoord.nl

[Link to source](#)

South Korea / Two major blazes at WtE plants in October

Two major blazes have happened at two waste incinerators in Seo-gu, Incheon, and in Sangpae-dong, Gyeonggi-do. The fire in Seo-gu broke out on 23 October 2020 and destroyed the whole incinerator and its two buildings. The blaze at the second plant broke out 28 October and 4 workers were injured seriously, according to the source. Accordingly, the odour reduction facility collapsed. Investigations of the causes of the fires are now underway.

23.10.2020, www.joongboo.com

[Link to source](#)

UK / Suez and BP sign MoU on CCS project

French environmental company Suez and UK-based oil and gas company BP are partnering on a carbon capture and storage (CCS) project from Waste-to-Energy. For doing so, both companies have signed a memorandum of understanding (MoU) for capturing CO₂ emissions from Suez' WtE facilities located in the Teesside area, UK. Reportedly, the CO₂ will subsequently be delivered to the Net Zero Teesside CCS project led by BP and later be permanently stored beneath the North Sea. A demonstration carbon capture facility is planned to be set up at the Tees Valley WtE facility at Haverton Hill (WtE units 1 and 2).

17.11.2020, www.letsrecycle.com

[Link to source](#)

UK / JV between Vattenfall and ESCo for Shawfair heating network

Utility Vattenfall has entered into a JV with Midlothian Council, called Energy Services Company (ESCo), in order to develop more heating networks across the local territory. The first project involves FCC Environment's 155,000 tpy WtE plant near Millerhill aiming to deliver its heat to the network in Shawfair near Edinburgh. The project's investment amounts to GBP 20 million and is funded by the Scottish Government with GBP 7.3 million. Accordingly, the JV between the council and ESCo should last 40 years for the new town of Shawfair, which is currently under construction.

16.11.2020, www.letsrecycle.com

[Link to source](#)

UK / Ellgia extends RDF supply contract with Multifuel

Cambridge-based company Ellgia has signed an extended contract with Multifuel Energy in order to supply its two multifuel plants with RDF. The contract is already in place since March 2016 and the extension will begin in January 2021. The two plants, located in Ferrybridge, West Yorkshire, have the capacity of processing 1.3 million tpy. Ellgia's RDF is being produced at its Scunthorpe facility.

11.11.2020, www.letsrecycle.com

[Link to source](#)

Ukraine / Purification unit being installed at Kiev WtE plant

In Kiev, the construction of a chemical purification unit within a WtE facility has started. Flue gas produced by the incineration of waste will be cleaned. The total cost of the project will amount to more than UAH 700 million (EUR 21 million). The supplier of the flue gas cleaning system has not been named in the source.

23.10.2020, www.44.ua

[Link to source](#)

**USA / Baltimore County
prolongs WtE disposal
contract**

On 2 November 2020, the County of Baltimore has prolonged its disposal contract with WtE plant operator Wheelabrator. The new contract is worth USD 58.8 million and has a duration of 5 years. Under the contract, the County is obliged to supply at least 215,000 tpy of waste to the BRESKO incinerator in Baltimore. Hence, the Council is likely to significantly increase its waste deliveries as according to earlier sources, it sent 149,187 tons in 2018, but only 2,223 tons between January and April 2019. Baltimore City Council extended its contract with Wheelabrator by another 10 years on 4 November 2020.

04.11.2020, www.bizjournals.com

[Link to source](#)

3 MBT & pre-treatment

Germany / Bidding process for Unna RDF production plant prolonged

The tender deadline for the planning and construction process of a recycling plant that should produce RDF and other recyclables in Unna, North Rhine-Westphalia, has been prolonged from 4 August 2020 to 15 December 2020. The Gesellschaft für Wertstoff- und Abfallwirtschaft Kreis Unna mbH (GWA) is planning a facility processing 180,000 tpy of MSW and commercial waste. The contract should last 16 months.

18.11.2020, ted.europa.eu

[Link to source](#)

Germany / Roofing paper recycling facility opened in Gütersloh

Gütersloher Wertstoffzentrum (GWG) has opened a new processing plant for roofing paper recycling. The plant can recycle up to 20,000 tpy of roofing paper into RDF, with a calorific value of 20,000 kilojoules/kg of the processed material. The investment costs for the plant, consisting of a shredder and screening system, amount to over EUR 500,000. The RDF will be incinerated in cement kilns, RDF incineration or WtE plants. In Germany, it is estimated that more than 200,000 tpy of waste is generated from roofing paper.

17.11.2020, *EUWID Recycling & Entsorgung 47.2020*

Germany / Andusia to deliver 25,000 tpy of RDF to two WtE plants

Andusia has signed two contracts with an unknown German customer in order to supply two plants with RDF. The contract should last 5 years and includes a first supply with 15,000 tpy and a second supply with 10,000 tpy.

16.11.2020, www.andusia.co.uk

[Link to source](#)

Greece / Attica PPP auctions approved

The auction of two waste management projects in Fyli and Schitos, Attica, has been approved by the interministerial Committee for Public-Private Partnerships. With a budget of EUR 640 million, these two plants will cover the demand of Athens and Piraeus. The waste treatment unit in Fyli will have a capacity of up to 260,000 tpy with a partnership for 30 years including a period of 3 years for construction. The waste treatment plant located in Schitos will cover a capacity of up to 180,000 tpy with a partnership for 29 years including a period of 2 years for construction. Apart from these, the auction of two more plants in Grammatiko and Southern Attica is planned in order to cover the whole waste produced in Attica. However, the source does not mention whether the auction in Fyli will include a WtE plant.

06.11.2020, www.kathimerini.gr

[Link to source](#)

Greece / Western Greece provides funding for waste management

The Region of Western Greece will provide funding of EUR 10.9 million for the completion of integrated waste management infrastructure through the "Western Greece 2014-2020" programme, which mainly aims at expanding reuse and recycling. Eligible for the funding are operations that are part of the Regional Waste Management Plan. This includes the creation or extension of landfills, the establishing of treatment plants for mixed municipal waste and of composting units for pre-sorted biowaste.

04.11.2020, ypodomes.com

[Link to source](#)

Greece / Tender for Corfu MBT plant re-announced

The re-announced tender for an MBT plant in Corfu now contains facilities with a total capacity of 47,500 tpy, consisting of 35,000 tpy of mixed solid waste and 12,500 tpy of pre-selected organic waste. The project includes a budget of EUR 54.9 million. Construction is expected to take 18 months, after signing of the contract.

22.10.2020, ypodomes.com

[Link to source](#)

**Mexico / Stadler delivered
new waste facility in Cuautla**

Germany-based plant manufacturer Stadler has installed a new MSW treatment facility in the city of Cuautla, Morelos. The source does not comment on the date of commissioning. The waste separation plant was constructed for privately held company Operadora de Ferrocarril y Manejo de Rellenos (OFMRS). It should accept waste from 16 municipalities of Morelos and a small part of Mexico City. It has a capacity of 640 to 700 tpd and should provide separation, classification, compaction and commercialisation of MSW and a wide range of waste material. Moreover, the plant should also produce biogas from organic waste fractions through two generators of 1 MW each.

18.11.2020, www.retema.es

[Link to source](#)

**South Korea / SungShin
cement plant gets new RDF
combustion lines**

Denmark-based company FLSmidth has delivered two HotPlate combustion devices destined for three lines at the SungShin cement plant. The cement plant currently converts its plant in order to reach 100% alternative fuel (AF) use in two of the six active lines. As stated in the source, the project should be completed in mid- and late 2021 using RDF alternative fuel.

10.11.2020, www.cemfuels.com

[Link to source](#)

**USA / Wasatch MRF
commissioned**

Wasatch Integrated Waste Management District (WIWMD) has opened an upgraded material recovery facility (MRF) for MSW in Layton, Utah, in cooperation with CP Group from San Diego. Located at the former area Davis Energy Recovery Facility, the USD 25 million project was launched after 3 years of planning, engineering and constructing in June 2020 and serves Davis and Morgan Counties. The recently constructed facility has a capacity of processing 40 tph of MSW or 15 tph of single-stream recyclables. Due to its flexibility, it is possible to process both material streams on the same line.

13.11.2020, www.recyclingtoday.com

[Link to source](#)

4 Company News

France / Chinese company was reportedly interested in Suez shares

According to the source, the CEO of Veolia said in a committee of the French Senate that Chinese company Beijing Capital Group, which works in the fields of environmental services, infrastructure, real estate and finance, had expressed its interest in Suez shares after Engie announced its intention to split up its 32% stake in Suez in late July 2020. Back in the beginning of October 2020, Engie agreed to sell a 29.9 % stake to Veolia. At the moment, French investment fund Ardian still plans to take over 100% of Suez.

17.11.2020, EUWID Recycling & Entsorgung 47.2020

Italy / Acsm Agam publishes Q3 results

Waste management company Acsm Agam has published its Q3/2020 financial figures, again noting decreases due to the impacts of the COVID-19 pandemic. Revenues in the first 9 months decreased from EUR 298.3 million in 2019 to EUR 259.3 million in 2020. The company's profit was at EUR 9.4 million, compared to EUR 10.1 million in 2019. Nevertheless, investments increased from EUR 41.2 million in 2019 to EUR 48.1 million, including EUR 3.8 million for WtE activities.

12.11.2020, www.mbnews.it

[Link to source](#)

Italy / A2A reports Q3 results

Waste management company A2A has reported financial results for Q3/2020. The company's investments amounted to EUR 413 million, an increase of 5% compared to EUR 394 million in 2019. EBITDA decreased by 7% to EUR 822 million. The group's net profit amounted to EUR 219 million, compared to EUR 250 million in 2019.

12.11.2020, www.ilcorrieredellacitta.com

[Link to source](#)

**Poland / Company
acquisitions planned by
Budimex**

Polish construction firm Budimex plans to expand its business in the waste disposal segment. To do so, it plans to acquire at least one company in the waste industry each year. As the source indicates, the company is interested in taking over companies working in the WtE sector along with other waste treatment facilities like plants for processing, waste segregation and waste storage. Apart from its plant construction activities, Budimex also provides facility management, in particular in the waste sector. A strategic investor of Budimex is Spanish company Ferrovial. In 2019, Budimex reported consolidated revenues of PLN 7.57 billion (EUR 1.69 billion).

09.11.2020, www.money.pl

[Link to source](#)

**Switzerland / Holcim signs
agreement to lower its CO2
emissions**

Cement producer Holcim has signed a compromise intending to lower its CO2 emissions until 2030 by increasing its RDF use at cement plants. Apart from other measures such as increasing the recycling of waste and by-products, an RDF target of 38% should be met by 2030. This would mean a doubled increase of alternative fuel use. According to the source, Holcim is the first company to sign such an agreement in the worldwide construction firm sector.

17.11.2020, www.milenio.com

[Link to source](#)

**UK / Viridor and Vattenfall
create JV for heat capturing**

Finnish company Vattenfall and Viridor have founded a joint venture in order to encounter heat emissions at energy recovery facilities (ERFs) across the UK. The companies aim to capture heat in order to reduce UK's carbon emissions. The UK Government is funding heating networks with GBP 320 million.

10.11.2020, www.energyvoice.com

[Link to source](#)

UK / Biffa reports figures for H1

British waste management company Biffa has announced its result for the first half of the 2020/21 financial year. According to the unaudited results, Biffa's net revenue is reported to amount to GBP 458.8 million, which means a decrease of GBP 96.3 million (17.3%) compared to the previous period. Also, the underlying operating profit after tax dropped by 96% from GBP 29.7 million (2019/20) to GBP 1.2 million. However, the revenues of C&I and landfill have recovered to 94% and 86% in September 2020, compared to the previous year.

05.11.2020, www.letsrecycle.com

[Link to source](#)

USA / B&W reports Q3 results

Plant manufacturer Babcock & Wilcox Enterprises (B&W) has released its results for the third quarter of the current fiscal year. The company reported a revenue of USD 132.5 million in the third quarter of 2020, compared to USD 198.6 million in the same period of 2019. The net income was USD 34.7 million, which is an improvement of USD 91.7 million over the same period of the previous year, due to loss recovery and favourable foreign exchange effects. The adjusted EBITDA grew to USD 25.6 million in comparison to USD 10.1 million in the third quarter of 2019.

12.11.2020, www.businesswire.com

[Link to source](#)

5 Policy & Others

Australia / NSW turns down draft bill on WtE ban

A bill proposed by the Greens in the NSW Upper House to ban the incineration of solid waste in New South Wales (NSW) has been voted down by the majority of the reigning Coalition and the Labour Party. The draft law was proposed in the context of new waste management policies in spring 2020 already. However, the parties against the bill claimed WtE to be a solution to lower CO₂ emissions as well as to creating jobs and new economic possibilities. Moreover, the rejection of the proposal has been justified with the landfill space nearly exhausted in NSW.

13.11.2020, www.miragenews.com

[Link to source](#)

Cambodia / Gov't: WtE is too expensive for Cambodia

The Cambodian Government has commented on the outcome of tendered feasibility studies for WtE projects. The Government had earlier invited companies to conduct these studies. However, the submitted studies project a required electricity price of USD 15 per kWh, according to Director General of the Ministry of Mines and Energy's General Department of Energy. This, as further stated, was not viable, as currently, electricity could be generated in Cambodia at a cost of USD 7 to USD 8 per kWh.

11.11.2020, www.khmertimeskh.com

[Link to source](#)

Italy / Venice Symposium 2020 to take place online in November

The 8th International Symposium on Energy from Biomass and Waste will take place from 16 until 19 November 2020, covering topics around the progress of applied technologies in WtE and BtE. Due to the COVID-19 pandemic, the conference will be held virtually. Organiser of the event is the International Waste Working Group (IWWG) supported by the Universities of Padova, Trento, Hokkaido, Rostock, Tsinghua, Queensland and Hamburg University of Technology. About 400 people are expected to attend.

16.11.2020, www.venicesymposium.it

[Link to source](#)

**Kazakhstan / President signs
WtE draft law**

The President of Kazakhstan has signed a draft law on the incineration of waste. With a potential of more than 100 million tons of household waste, the current recycling rate of 14.9% is to increase. The draft law provides for the use of a guaranteed electricity purchase mechanism as well as the implementation of WtE projects.

09.11.2020, news.mail.ru

[Link to source](#)

**Norway / Government
proposes CO2 tax on waste
incineration**

The Norwegian Government proposes a tax of NOK 149 (EUR 14) per ton of CO2 emissions from WtE plants. This proposed fee should contribute to create more equal conditions between co-incineration plants producing steam for the industry and WtE plants producing electricity or district heating, as the co-incinerators pay for their greenhouse gas emissions. According to the source, the proposal for the tax level in 2021 is significantly lower than the total carbon price that e.g. Swedish waste incineration plants are facing.

07.10.2020, www.norskindustri.no

[Link to source](#)

**Poland / Thermal Waste
Treatment Conference in
November**

The 17th edition of the Thermal Waste Conversion Conference will take place from 24 to 25 November. The conference will be held online. The event is organised by company Abrys. Main topics will be the plans of the Ministry of Climate for the construction of new WtE plants, waste incineration processes, waste management and current operations of plants. For more information please visit: termiczne.abrys.pl

24.11.2020, portalkomunalny.pl

[Link to source](#)

Poland / Government to support small-scale RDF CHP units

Poland's Minister of Climate and Environment has recently issued an ordinance on setting up a team working on supporting the construction of CHP plants for the recovery of high calorific MSW fractions. A first team meeting is scheduled for November. Background to this, as further stated in the source, is that local governments were stating, their inability of processing high calorific waste increases costs of waste management.

12.11.2020, www.portalsamorzadowy.pl

[Link to source](#)

Portugal / Subsidies for WtE extended until 2023

The Government of Portugal has once again extended the period of WtE subsidies, until 2023. Initially, the guaranteed remuneration for WtE should have ended earlier in 2020. The subsidies, however, will no longer be mainly covered by the electricity consumers, as it was the case during the last 16 years. Instead, the Environmental Fund, which is financed partly by taxes and contributions, will need to pay for the extra costs. Main revenues of the fund result from the sale of CO2 licenses. Subsidies in 2020 will be EUR 88 per MWh, which, according to the source, is almost double the average electricity market price recorded in 2019. In 2021, 75% of EUR 88 per MWh will be paid, 50% in 2022, 25% in 2023, converging to the actual market price in 2024.

30.10.2020, observador.pt

[Link to source](#)

Slovakia / Gov't wants to limit import of solid alternative fuel

The Slovakian Ministry of Environment seeks to limit the import of solid alternative fuel. Cement plants process about 300,000 tpy imported from Austria, Germany, Italy, Belgium, Hungary and Slovenia and 80,000 tpy of waste from Slovakia. Therefore, the Slovakian Government wants to limit the imports of waste by a voluntary agreement with cementers. In this way, capacities should be cleared to process the domestic waste. The cement plants' estimated future waste processing capacity is calculated with about 500,000 tpy of alternative fuel per year. Also, the amount of solid alternative fuels is expected to increase due to landfill restrictions and an obligatory waste treatment before landfilling.

21.10.2020, www.odpady-portal.sk

[Link to source](#)

Slovenia / Draft regulation on WtE facilities in discussing phase

The Slovenian Ministry of the Environment has prepared a draft decree for regulating the public tender for the provision of public utility services in thermal waste processing and WtE units. The Ministry received various comments and proposals on the draft regulation. The integration of the regulation was expected by the end of 2020, however, depending on the number of changes and amendments, the Ministry will decide to re-discuss the draft.

11.10.2020, oe.finance.si

[Link to source](#)

UK / Virtual RDF Conference to take place in November

The 7th edition of the RDF Conference will take place online on 26 November 2020. It will include operators from RDF, SRF and Energy from Waste sectors and cover topics around the impact of the COVID-19 pandemic, the Brexit, production, shipping and quality. Challenges and opportunities of RDF and SRF will be discussed as well.

26.11.2020, www.rdfconference.com

[Link to source](#)

Vietnam / 2019 domestic solid waste figures published

The Ministry of Natural Resources and Environment has issued a report including figures of domestic solid waste trends in Vietnam. The amount of domestic solid waste increased by 46% from 44,400 tons per day in 2010 to 64,658 tons in 2019. 35,624 tons a day were produced in urban areas, compared to 28,394 tons in rural areas. Around 92% of domestic solid waste was collected in 2019. 13% of collected waste was burned, showing a shift towards incineration in recent years. The report also states that several challenges were still existing in the management of domestic solid waste, e.g. a lack of waste sorting facilities.

19.11.2020, e.vnexpress.net

[*Link to source*](#)

General Information

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

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Issued on 20. November 2020

The intended date of release for the next WtE monitor is 04. December 2020