



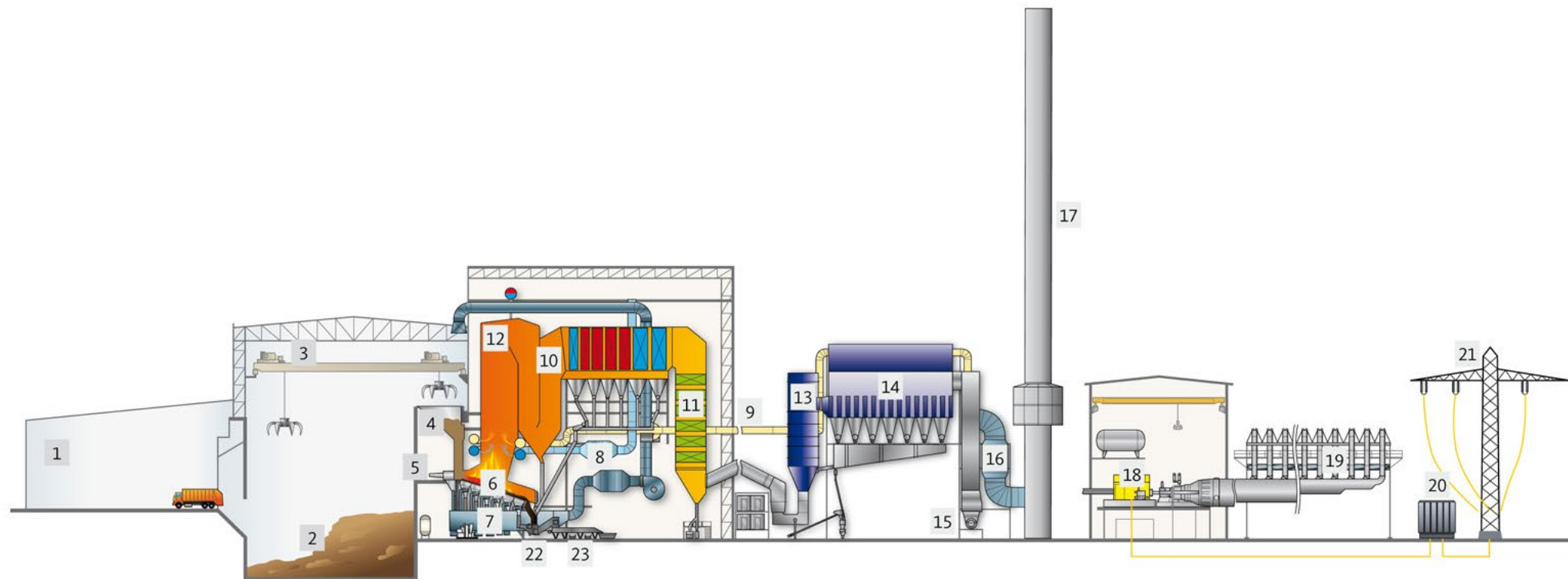
# Overwood Energy Recovery Facility

## Presentation to Stonehouse Community Council

Tuesday 9<sup>th</sup> March 2021

## What is it?

- 330,000 tonnes of non-hazardous, non-recyclable waste per annum
  - Conventional moving grate technology – Best Available Technology
  - Approx. 30MW of electricity exported to the National Grid
  - ERF designed to be Combined Heat & Power ready
  - Building on the success of Dunbar ERF
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- 55 full time jobs (including apprenticeships)
  - Supporting up-to 500 jobs during the construction



Typical ERF process diagram

Waste Receiving and Storage	Combustion and Boiler	Flue Gas Treatment	Energy Recovery	Residue Handling and Treatment
1 Delivery hall	4 Feed hopper	12 Ammonia injection	18 Turbine	22 Bottom ash extractor
2 Waste bunker	5 Ram feeder	13 <b>SemiDry reactor</b>	19 Air cooled condenser	23 Bottom ash conveying
3 Waste crane	6 <b>grate</b>	14 Fabric filter	20 Transformer	
	7 Primary air system	15 Induced draught fan	21 Electricity export	
	8 Secondary air system	16 LP preheater		
	9 Flue gas recirculation	17 Stack		
	10 Five-pass boiler			
	11 Economiser			

## Why is it needed?

- Scottish landfill ban – 31<sup>st</sup> December 2025
- Previously set for 1<sup>st</sup> January 2021 but delayed due to a lack of appropriate infrastructure within Scotland. Scottish Environment Secretary Roseanna Cunningham stated at the time:  
*“Full compliance by 2021 will not be possible without reliance on export options, including landfill in England, with consequent environmental impact and additional financial implications for local authorities.”*
- 1.46 million tonnes of non-recyclable waste sent to Scottish landfills in 2019
- 340,000 tonnes of non-recyclable waste was exported out of Scotland in 2018 to landfills or ERFs in England and mainland Europe
- Insufficient waste management infrastructure currently in place or under construction to achieve full compliance with the 2025 landfill ban

## Why here?

- The principle of energy recovery has been established in this location
- Appropriately distanced from residential receptors
  - Scottish Planning Policy recommends a 250m buffer zone between residential receptors and waste management operations such as thermal treatment.
- Excellent road links to the Strategic Highway Network
- Adjacent to an existing waste management uses and logistics hub
- Green belt location to be addressed within the Planning Application along with extensive alternative site assessment study
- Environmental Assessments will be undertaken to assess the potential impacts of the proposed development on local interests such as Cander Moss SSSI, Cander Water and the surrounding farming community.

## How?

- Planning Application supported by an Environmental Impact Assessment to be submitted to South Lanarkshire Council in Spring/Summer 2021.
- Pollution, Prevention and Control (PPC) Permit Application to be submitted to SEPA in Spring/Summer 2021.
- Pre-Application engagement underway with statutory and non-statutory stakeholders to determine the scope and methodology of the necessary environmental assessments.

## Viridor - Overview

- In 2019/20;
  - 2.6 million tonnes of waste materials recycled
  - 2.9 million tonnes of waste treated at our 10 ERF's
  - 1,807GWh of electricity generated from our ERF's – the equivalent of powering approx. 500,000 homes
  - Zero major, serious or significant environmental incidents
- 1200 employees across the UK, including 423 within Scotland
- 34,000+ business and local authority customers across the UK
- 200+ recycling, energy recovery and waste management facilities across the UK
- Key facilities in Scotland:
  - Dunbar Energy Recovery Facility and landfill
  - Glasgow Recycling and Renewable Energy Centre
  - Bargeddie Materials Recycling Facility
  - Newhouse Glass Recycling Facility

## Next steps

- Pre-Application public engagement
  - Two rounds of Virtual exhibitions
  - Live chat sessions
  - Ongoing programme of meetings and events with elected representatives, local residents and community groups
- Pre-Application engagement with South Lanarkshire Council, SEPA and other key consultees
- Planning Application to be submitted to South Lanarkshire Council in spring/summer 2021
- Pollution Prevention & Control (PPC) Permit Application to be submitted to SEPA in spring/summer 2021
- Post-submission public engagement
  - Establish Community Liaison Group
  - Ongoing programme of meetings and events with elected representatives, local residents and community groups





Thank you for listening.  
Any questions?