
South Clyde Energy Centre Newsletter - December 2025

From South Clyde Energy Centre <info@southclydeenergycentre.co.uk>
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About South Clyde Energy Centre

Welcome to the E-newsletter for the South Clyde Energy Centre. We will publish these newsletters regularly to provide consistent and up to date information on the project.

The South Clyde Energy Centre is an Energy from Waste facility currently under construction on land at Bogmoor Road, North Cardonald, Glasgow.

The centre will recover energy by processing around 350,000 tonnes of residual and commercial waste every year. The waste will be first sorted to remove the recyclable material, and the remaining waste, which would otherwise be sent to landfill or exported, will then be treated at the facility. Through the energy recovery process, the centre will generate up to 45Mwe (megawatts electricity) of energy, enough to power the equivalent of around 70,000 homes.

For more information, please visit www.southclydeenergycentre.co.uk.



Artists impression of the South Clyde Energy Centre

Construction Update

Several key elements of the project are either underway or scheduled in the new year.

Structural works are advancing, with steel erection over the boiler building programmed to commence early next year. Cladding of the building is underway and will continue on a progressive basis over the next few months, providing weather protection and enabling the transition to internal fit-out activities.

Supporting infrastructure is also progressing well. The electrical switch rooms and administration offices are currently under construction, forming the backbone of site power distribution and operational control. Inside the boiler building, major process systems and associated pipework are nearing completion, marking an important step toward system integration and commissioning readiness.

Significant progress has been made on the flue gas treatment plant, a critical component for emissions control. Key filtration units and conveying equipment have now been installed, establishing the core mechanical systems. The delivery and installation of the associated silos are scheduled for early next year, completing the material handling and storage scope for this area of the plant.

Environmental performance remains a central focus throughout construction and into future operations. Noise and environmental controls are being closely monitored to ensure full compliance with planning consents and environmental permits. This includes the use of monitoring equipment positioned around the site boundary during construction to track and manage potential impacts in real time.

Looking ahead to operational readiness, the turbine building has been designed with heavy acoustic insulation to minimize noise impacts during operation. In parallel, continuous monitoring systems will be in place to ensure emissions remain well below permitted limits, providing assurance that the facility operates within stringent environmental and regulatory requirements.

Incinerator Bottom Ash: A Sustainable Alternative

The South Clyde Energy Centre will produce around 70,000 tonnes of incinerator bottom ash (IBA) annually. IBA is the non-combustible material left over after household or commercial waste is processed through an energy from waste (EfW) facility.

IBA typically contains:

- Stones, sand, and minerals
- Glass fragments
- Metals
- Small amounts of unburnt material
- Ceramic and brick pieces

IBA is collected and processed by a specialist IBA contractor. A typical process includes:

- Screen & grade – the IBA is separated into fine and coarse material.
- Metals recovered – magnets and separators are used to remove steel and aluminium for recycling.
- Aging / weathering – material stabilises over several weeks.
- Testing – checks for contaminants and suitability for construction uses.

IBA can be used as a sustainable alternative to primary aggregates and is often used in construction for things like road sub-base as well as blocks and concrete products.

Using IBA as a secondary aggregate reduces the need to quarry for primary aggregates, cuts carbon emissions and supports the circular economy.



View of the South Clyde construction site

Route Management and Traffic Update

As part of the planning permission, a Route Management Plan is required to be developed and approved by Glasgow City Council before the facility becomes operational. The plan is designed to carefully manage vehicle access and egress, ensuring that traffic is routed via motorway and A-class roads while avoiding residential areas, including the Queen Elizabeth University Hospital.

Once operational, it is estimated that the facility will generate approximately 60–80 vehicle movements per day. The majority of waste will be delivered by HGVs, with loads bulked to reduce the overall number of vehicle trips. All suppliers will be subject to monitoring, and drivers will be required to complete an on-site induction, including route management requirements, before being permitted to deliver waste.

The facility has also been designed with extensive internal traffic management measures. Dedicated on-site waiting and stacking areas will allow vehicles to queue within the site boundary, preventing congestion on surrounding roads. While current vehicle movements are higher due to construction activity and staffing, these levels are expected to reduce once the facility enters normal operations, with all traffic controls and planning conditions strictly adhered to.



View of the South Clyde construction site

Environmental Protection and Odour Control

The facility will operate under a strict SEPA Environmental Permit, with continuous monitoring and reporting to ensure compliance. Modern, best available technology is used throughout, including automatic shutdown systems that activate immediately if emission limits are exceeded.

Odour is tightly controlled through negative air pressure in waste handling areas, drawing air into the boiler for treatment, alongside fast-action doors and odour suppression systems.

The facility will support Scotland's waste hierarchy by providing a cleaner alternative to landfill, which is roughly 100 times more damaging to air quality than energy-from-waste plants.

It will also support the Scottish landfill ban, originally set for January 2026 but is delayed to January 2028 due to limited waste treatment capacity, highlighting the importance of this facility for residual waste management.

Local Liaison Committee

At the South Clyde Energy Centre, we are committed to maintaining open and constructive dialogue with the local community. We hold a quarterly Local Liaison Committee to provide updates on the project's progress, address any concerns and discuss how best we can work together. Our next meeting will be held in March 2026.

The LLC meetings are a valuable opportunity for dialogue between the project team and local residents, local businesses, community leaders and other stakeholders. Through active engagement, the South Clyde Energy Centre aims to ensure that the project meets both the region's energy needs and community needs too.

We welcome all interested parties to attend our next meeting. If you would like to join us, or need more information on the LLC or any other aspect of the project, please contact us at info@southclydeenergycentre.co.uk



Artists impression of the South Clyde Energy Centre at night

Find out more

Have you visited our project website? You can find out more about what is happening on site throughout construction by visiting www.southclydeenergycentre.co.uk. Here you will find the most up-to-date project information and our FAQs may help to answer any questions you may have. Alternatively, you can contact us by emailing info@southclydeenergycentre.co.uk

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Coast Communications
Unit 5, Briston Orchard
Briston Orchard, St. Mellion
Saltash, Cornwall PL12 6RQ
United Kingdom

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