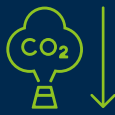




Biogas Captured
788.7 thousand m³



Carbon Abatement
7491 tonnes
(t CO₂e - environmental benefit)



Seedlings Planted
124.8 thousand seedlings
planted for 10 years



ACCUs Created
Australian carbon
credit units

As of February 2026

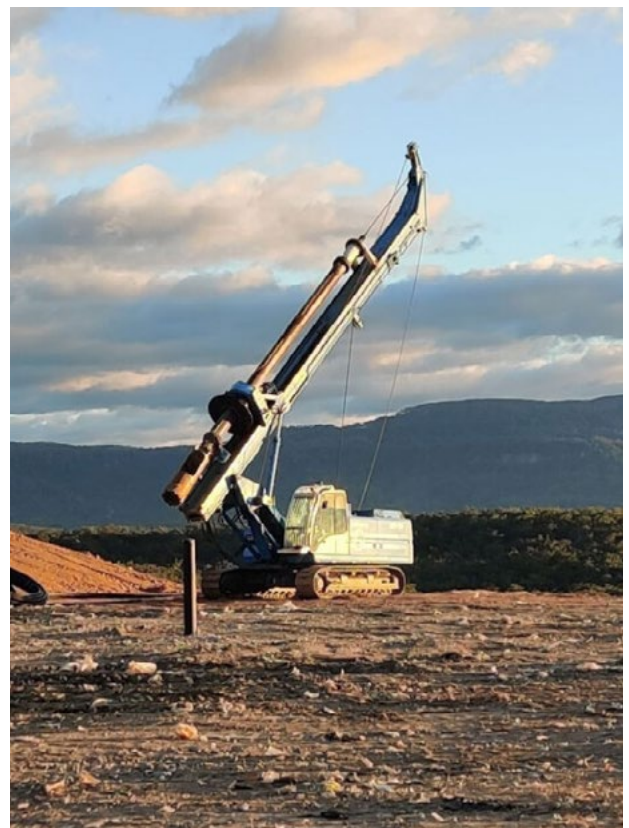
Regional Sustainability in Action - Lithgow Solid Waste Facility

Expediting the transition to renewables with clean energy and carbon abatement solutions at no cost to Council.

Lithgow City Council has entered into a long-term contract with LGI to recover and beneficially use biogas from the Lithgow Solid Waste Facility in Central West NSW. This initiative improves local air quality, significantly reduces greenhouse gas emissions, and contributes to the local economy.

While there is no regulatory requirement to capture biogas at this site, the partnership enables additional carbon abatement (above the facility's 30% baseline) through a commercially viable flaring project under the Australian Carbon Credit Unit (ACCU) Method.

In 2025, LGI worked closely with the Council to design and install a customised biogas management system, featuring a dedicated LGI 500 biogas flare. By proactively capturing this biogas, the Lithgow Solid Waste Facility has been transformed into a controlled carbon abatement project.





Key Benefits & Strategic Outcomes

The Lithgow Landfill Gas Abatement Project delivers a comprehensive suite of environmental, financial, and operational advantages, securing a win-win outcome for the Council and the Central West NSW community. The system provides:

- ✓ **High-Impact Decarbonisation:** Captures and destroys biogas, generating immediate, measurable, and permanent carbon abatement that directly lowers the region's carbon footprint.
- ✓ **Financial Resilience:** Removes the capital burden from the Council. The bespoke biogas management system was designed and installed entirely at no cost to the Council.
- ✓ **Community Health:** Active gas extraction improves local air quality and manages the environmental risks associated with the site.
- ✓ **Future Potential:** The carbon credits enable this commercially viable flaring project to create immediate abatement, whilst also paving the way for a potential future biogas-to-power project.
- ✓ **Turnkey Management:** Future operations and maintenance of the biogas management system, alongside all monitoring and reporting services, are handled directly by LGI's in-house team.

Crucially, this environmental upgrade is delivered at zero cost to ratepayers. LGI funds the entire capital expenditure for the flare and extraction system, generating revenue through the creation of Australian Carbon Credit Units (ACCUs) under the Emission Reduction Fund.

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