

Carbon abatement & renewable energy update for autumn

2026

LGI Newsletter

Autumn 2026

Growth Update - 6 New Sites Commissioned, Bringing LGI to 35 Operational Sites - a 40% Increase Since 2022

Mackay Project Update - Hogan's Pocket Gas Flows Double Post-Upgrade!

Midcoast Council Landfill Gas Emissions Slashed - With Taree & Tuncurry Projects Commissioned

Lithgow Media Roundup - Delivering Critical Regional Abatement

Engineering Excellence - LGI Wins Top IPWEA Award for Mugga Lane Hybrid in Canberra

Waste 2026 - Driving the Energy Transition in Coffs Harbour

Scooter Retires - Tribute from Adam Bloomer our MD

Staff Spotlight - Anton Tan

Environmental Impact to Date

As of May 2026, our annual carbon abatement is equivalent (in tCO₂e) to:

Seedlings
Planted
(for 10 years)



173 million

Cars off
the Road
(for 1 year)



369,000

Growth Update

LGI's growing portfolio saw 6 new carbon abatement sites added over the past year, totalling 35 operational sites. Applying our innovation, agility and expertise we have enhanced our existing sites with upgrades and commissioned new sites - increasing biogas from landfills recovery around Australia. We are creating more carbon abatement and renewable energy, while delivering greater outcomes for the environment and community.

As of May 2026 we have achieved:

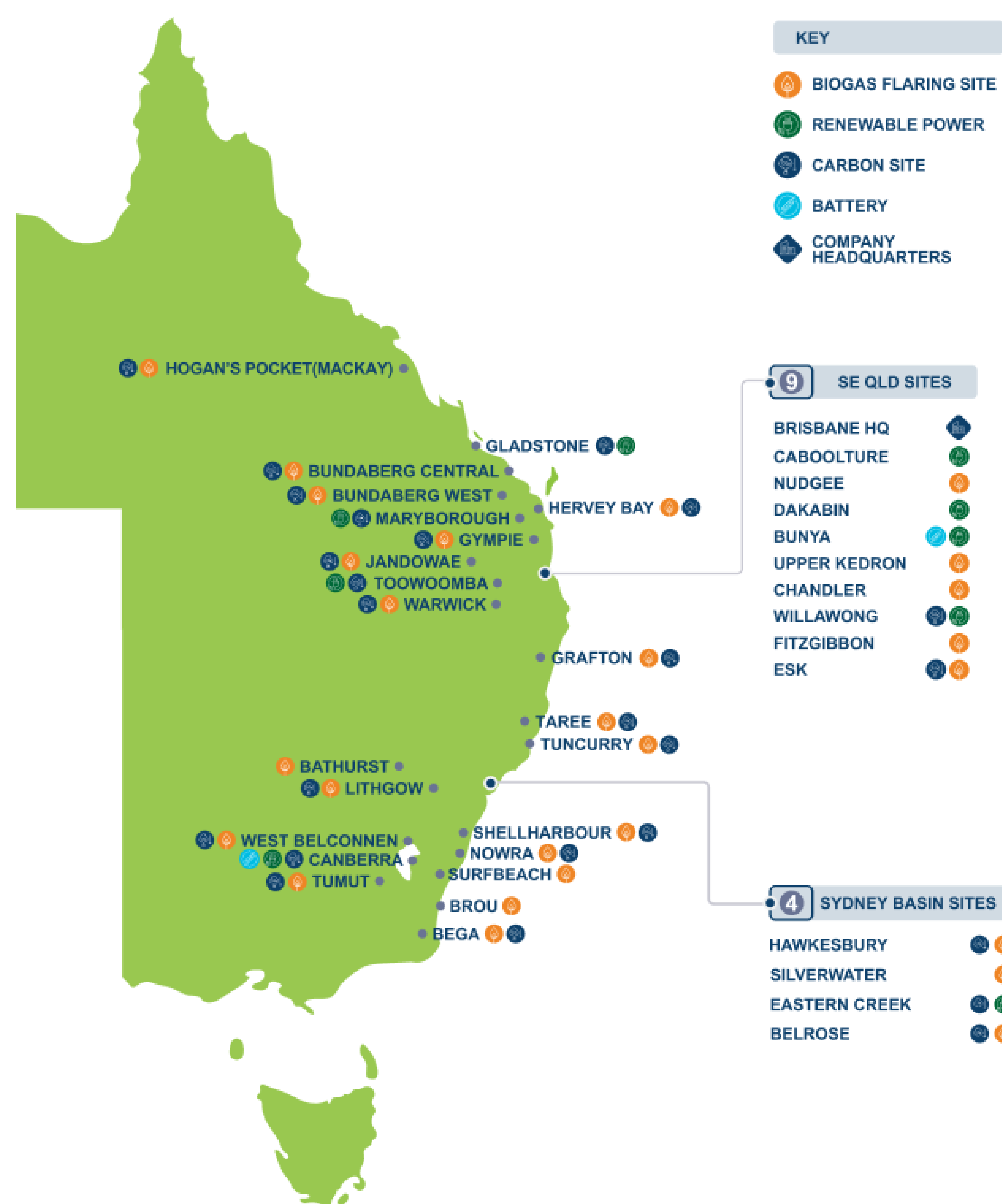
25 registered carbon abatement projects, with LGI registering Mudgee, Hogan's Pocket (Mackay), Belrose and Eastern Creek in recent months. During July 2025 to May 2026 LGI created 525,000 ACCUs - a 17% increase in ACCU creation over the past year.

9 power stations with 20MW of biogas fuelled renewable energy generation assets, and 1MW / 2MWh battery energy storage system (BESS). We have created 130 GWh of renewable electricity during July 2025 to May 2026 - a 33% increase over the past year,

Completed the installation and testing of our 12MW / 24MWh BESS at Mugga Lane. On final commissioning in the coming weeks this expands our operating capacity to 33MW, and 25MWh - a 57% increase to our operating capacity.

Combining all these efforts we have made our portfolio more responsive and positioned for the energy transition with the addition of battery storage and our Dynamic Asset Control System (DACS).

We are proud to achieve these results while staying true to our values to Put People First. Learn & Grow, Do What's right, Innovate-Create-Solve, Have Fun and Be Courageous.



LEARN HOW WE ACHIEVE THIS

Mackay Project Update

Hogan's Pocket Gas Flows Double Post-Upgrade!

In June 2026, LGI successfully finalised a major multi-stage infrastructure expansion at Mackay Regional Council's Hogan's Pocket Landfill. This voluntary carbon abatement project has already yielded extraordinary results: within two months of completion, total landfill gas extraction flows **more than doubled**.

The project combined meticulous system tuning adjustments with substantial field expansion, including drilling 33 new vertical gas wells, 1.2km of heavy infrastructure piping, and connection to a newly deployed, custom-design and built LGI1000 enclosed flare.



Further highlighting LGI's commitment to resource integration, the upgraded gas system was integrated with the Council's newly commissioned BeneTerra thermal evaporation leachate management system ("BeneVap"). The unit at Hogan's, affectionately named 'Opal', uses LGI's captured landfill gas as a direct, cost-effective, and green energy source to process leachate, completely replacing the need for traditional diesel.

This project sets a high standard for how innovative regional councils can optimise environmental assets, cut carbon emissions, and drive circular economic solutions simultaneously.

[READ ABOUT THE PROJECT](#)

Midcoast Landfill Gas Emissions Slashed

Transforming Landfills into Clean Energy Assets

In April 2026, MidCoast Council and LGI successfully launched bespoke landfill gas extraction systems on the landfills at two regional waste management centres, the **active landfill at Taree** and the **closed landfill at Tuncurry**. Delivered at next to zero cost to ratepayers, these projects are tackling the region's greenhouse gas emissions head-on while transforming waste liabilities into community assets.

Project Highlights

Taree (Active Site): Landfill gas previously accounted for roughly 70% of the Council's carbon footprint. Despite steep, challenging terrain, LGI installed a comprehensive gas capture network and an LGI1000 flare. Early gas yields have been incredibly strong, drastically reducing emissions, significantly mitigating odour and establishing a potential pathway for a future biogas-to-power generation project.

Tuncurry (Closed Site): Having stopped accepting waste in 2021, the focus at Tuncurry is rehabilitating the site and managing legacy emissions. LGI worked alongside capping contractors to install an LGI250 flare, seamlessly welding the site's liner to the new gas wells to create a total seal that maximises capture efficiency.

The Combined Impact

Across both locations, this partnership delivers major environmental and economic wins for the MidCoast Council:

Zero Capital and Operating Cost: LGI designed, constructed, and continually operates both systems entirely at no to low expense to the Council.

Carbon Credit Revenue: By effectively capturing and destroying biogas, both sites generate high- d future local projects.

Immediate Action: Together, the sites have already captured over 900,000 cubic meters of biogas, dramatically improving local air quality and destroying thousands of tonnes of CO2 equivalent.

Watch the NBN News coverage below:



[VIEW TAREE](#)

[VIEW TUNCURRY](#)

Lithgow Media Roundup

Delivering Critical Regional Abatement

There was plenty of buzz across regional media following the official launch of our carbon flaring partnership at the Lithgow Solid Waste Facility.

The project was featured by Seven News Central West, the Lithgow Mercury, Inside Waste, and Mirage News. Journalists have particularly highlighted the immediate environmental impact of the facility, which put up massive numbers right out of the gate.

In its first month of operations alone, the system achieved the following milestones:

Biogas Captured: Over 298,000 cubic metres of harmful greenhouse gas recovered.

Carbon Abatement: 2,800 tonnes of emissions (t CO₂e) permanently destroyed.

Environmental Equivalence: The climate benefit of planting 46,000 seedlings for the next decade.

Instead of costing residents, the project is actively creating a new revenue stream for the Council through a shared royalty of Australian Carbon Credit Units (ACCUs).

We extend a huge thank you to Lithgow City Council for their vision and collaboration in transforming this site into a high-performing environmental asset.

Watch the Seven New Central West Coverage Below:



[READ ABOUT THE PROJECT](#)

Engineering Excellence

LGI Wins Top IPWEA Award for Mugga Lane Hybrid

The LGI team is incredibly proud to have taken out the Excellence in Environment & Sustainability accolade at the 2026 IPWEA NSW & ACT Engineering Excellence Awards.

The prestigious award recognises our world-class Landfill Gas Renewable Hybrid project at the Mugga Lane landfill in the ACT. Matthew Tap, LGI's Projects & Innovation Manager, was on hand to accept the trophy on behalf of the engineering and operational teams who brought this highly complex facility to life.



Mugga Lane represents the future of landfill gas utilisation. By integrating 6MW of reliable biogas power generation with 12MWh of Tesla battery storage, the site provides a blueprint for expediting the energy transition. The brain of the entire hybrid system is our proprietary Dynamic Asset Control System (DACS), which uses advanced machine learning to execute autonomous, five-minute market bidding and respond to grid volatility within milliseconds.



Operating in close collaboration with our partners at ACT NoWaste, the Mugga Lane facility provides dispatchable, clean electricity to power more than 10,800 homes annually. Winning this award reinforces LGI's position as an industry leader in transforming legacy municipal liabilities into high-performing, grid-stabilising assets.

[VIEW OUR RECENT AWARDS](#)

Waste 2026

Driving the Energy Transition in Coffs Harbour

It was a busy and incredibly rewarding week for the LGI team at the Waste 2026 conference at the Opal Cove Resort in Coffs Harbour. As the premier event for the waste management sector, it provided the perfect platform to connect with local government leaders and discuss practical decarbonisation strategies.

Our Business Development Manager, Katrina Nelson, alongside Mick and the rest of the team, welcomed dozens of delegates to Booth 58. The major talking point throughout the week was our full-service, zero-cost partnership model, which allows regional Councils to target up to 65 per cent of their operational carbon footprint without diverting capital away from core community infrastructure.



A major highlight of the conference was our fully booked networking breakfast, followed by Katrina's highly anticipated technical presentation: "Landfill Gas Project Renewable Hybrid – Expediting the Energy Transition". Katrina walked attendees through the technical evolution of modern gas fields, explaining how active management, machine learning, and battery integration can achieve an immediate 96 per cent reduction in methane's climate impact.

Thank you to everyone who stopped by the booth, attended the presentation, or booked a free site gas assessment. We look forward to continuing these conversations and helping more regional communities turn their environmental liabilities into clean energy assets.

[LEARN MORE](#)



Scooter Retires

By Adam Bloomer, Managing Director

What can I say about Scooter?

Well, he was one of the first landfill operators to give me the time of day way back in 2009.

Aside from covering intergalactic mileage in his various Hilux's, Scotty is passionate, hard working, a committed dad/poppy.

An intelligent person with possibly the best repertoire of terrible Dad jokes I've experienced, (Ben Bloomer close second!).



Scotty appears to be a frustrated cricket commentator with regular photos of his keys and other objects jammed in the cracks on many a Landfill Cricket Ground. In hindsight we should have gotten him a beige LGI blazer! (RIP Mr Benaud).

In his time as the CEO of LGI North Queensland division he was always dependable, forthright and just a thoroughly decent bloke. I consider Scotty a mate first and co worker second.

Enjoy the gem fossicking with Kerry and a very sincere thank you for everything mate.

-Adam Bloomer

EXPLORE OUR PEOPLE AND CULTURE

Staff Spotlight: *Anton Tan*

This quarter we check in with Anton Tan, our talented in-house legal council, about his shift from principal at a law firm to an in-house role at LGI.

As the In-House Legal Counsel at LGI, I've been based in our Brisbane office for about three years now. The major part of my role involves working closely with Katrina, Mick, and the Business Development team on the procurement of our long-term contracts. This means reviewing general contract conditions, identifying potential risks, and ensuring everything aligns tightly with our organisational risk appetite and general risk matrix. I also manage the varied third-party agreements that cross my desk daily, ranging from site leases to non-disclosure agreements.



While the day-to-day work of a legal counsel is generally well understood, people are usually fascinated when I explain what LGI actually does. Most people just assume landfills are simple holes in the ground, so explaining how we actively minimise a site's environmental footprint always sparks an interesting conversation.

Before joining LGI, I spent most of my career working in litigation and disputes, eventually becoming a principal specialising in the niche area of insolvency. Wanting to sample what the in-house world was like, I applied here and interviewed with our then-CEO, Jess. I just remember she was incredibly nice, and the broader team was so friendly that it immediately felt like a great environment to work in.

The project I'm most proud of during my time here is our contract negotiation with BINGO Industries for the Eastern Creek facility. It was an incredibly tight timeline, and as one of our first large private landfill contracts, it served as a major learning piece for us as an organisation and delivered a fantastic flagship result.

The LGI value that resonates with me the most is 'Learn and Grow'. My transition from a niche firm to an in-house role perfectly reflects this, as it has given me the opportunity to expand my professional skills and develop internally alongside the company. This growth mindset is especially important right now as our industry evolves, particularly with the introduction of the recent 2025 landfill gas methodology.

Navigating these complex industry shifts requires focus, which is why I always fall back on the best career advice I ever received from an old barrister: always have fun and enjoy the work you're doing, because if you are not having fun, the work becomes far too draining and taxing.

Outside of work, I'm really big into outdoor climbing, spending my time traditional and sport rock climbing throughout Southeast Queensland.



**CLEAN ENERGY &
CARBON ABATEMENT**

www.lgi.com.au

enquiries@lgi.com.au | 07 3711 2225

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Katrina Nelson

Business Development Manager

M: 0401 050 986

[EMAIL KATRINA](#)



Mick Fullelove

Business Development

M: 0407 693 148

[EMAIL MICK](#)