



LGI is there when natural disaster strikes

When the weather turns and disaster strikes, critical infrastructure can be put under pressure, damaged or even lost. During all that strain on systems, technology and people, LGI is here to help.

LGI has been an invaluable asset for councils, providing

disaster management strategies and technologies to mitigate damage, support restoration and speed up recovery.

Natural disasters are less of a worry when you're prepared and have the right people on your team.

Flood Waste Management

Brisbane City Council

2022 Queensland Floods

When large tracts of the nation were awash in the unprecedented floods of 2022, Brisbane City Council had the significant task of cleaning up the waste – restoring safety and hygiene to the public space.

Disposing of this large and unexpected intake of refuse meant reopening part of the closed Willawong landfill.

To assist the Council, LGI was able to react quickly to:

- **Enable Council to focus on managing the flood waste**
- **Modify existing (and install new) biogas infrastructure to capture methane (CH₄) produced from the new waste deposited in the landfill**
- **Ensure biogas extraction started as quickly as possible to improve local air quality, abate carbon and supply dispatchable renewable power into the local grid**

Storm Relief

Bundaberg Regional Council

20 - 22 Annual Storm Damage

Constant threats to power supply from storm damage are a major headache for councils throughout Australia, with annual storm damage a common event across Queensland.

During a storm, the electricity network is severely disrupted, which is more than just an inconvenience for people's homes. The network is used for essential services like waste management, which can't work without it.

For ten years, LGI has supported Bundaberg Regional Council to "keep the power on" during annual storm damage by:

- **Providing back-up generation on-site**
- **Enabling essential services to operate, such as leachate pumps in landfills while power is restored**

Flood Resilience

Landfill Sites

2022 Queensland Floods

During the 2022 floods, all of LGI's flaring sites remained in operation. This was achieved because of their design, in combination with our ability to monitor and control them remotely.

- **Gas extraction continued to improve local air quality and abate carbon by capturing and destroying the methane.**
- **All but one of our power station sites continued to operate and supply renewable, dispatchable power 24/7 into the local power grid.**
- **The Cabooture site was only turned off when access was completely cut off, which prevented us from performing our two weekly checks. As soon as we had physical access to the site, we resumed power generation.**



- ✓ Manage carbon abatement
- ✓ Provide backup power supply
- ✓ Reducing financial pressure on councils
- ✓ Keep essential services going
- ✓ Increase carbon capture where necessary
- ✓ Reduce pressure on councils
- ✓ Support waste management solutions
- ✓ Collaborative partner for councils

Renewable energy and carbon abatement solutions have many uses over and above the work we do on a daily basis with landfills around the country.

Plugged in as we are to waste management, biogas extraction and electricity solutions, LGI stands side by side with councils as we continue to face what nature has to throw at us.

Poised for the future, get in touch with LGI today to create a new partnership.

