

SECTOR BROCHURE

Emergency Disaster & Reconstruction Management

Disaster Recovery Funding Arrangement (DRFA)

OPPORTUNITIES
THROUGH
EXCELLENCE

bgeeng.com

BG
&E

BG&E

BG&E is an international civil and structural engineering consultancy celebrated for its innovative, cost-effective, and award-winning designs.

With a dynamic team spanning 15 offices worldwide - including Australia, New Zealand, South East Asia, the United Kingdom and Middle East - we unite local and international professionals to deliver practical solutions with a strong focus on constructability.

Our clients consistently return to us, attesting to our exceptional service, responsiveness, and track record for delivering tailored solutions for technically challenging projects. The quantity and scope of engineering awards we've received acknowledge our diverse industry contributions and the exceptional quality of the services we deliver across a host of regions, disciplines, and sectors.



What Rapid Response Means for Us

Unforeseen environmental incidents and natural disasters are an inevitable reality for communities across the globe. With climate change increasing the probability of extreme weather events, coupled with the surge in population growth, land development, and infrastructure projects - the importance of rapid response is paramount.

Rapid response requires a thorough understanding of regulatory, technical, and logistical requirements to achieve eligibility. Our dedicated emergency response team offers a comprehensive range of emergency and disaster management services for various scenarios, including:



Floods



Drought



Cyclones



Damaging Storms



Tsunamis



Landslides



Bushfires



Earthquakes



Fitzroy River Bridge - Kimberley Region, WA, Australia.



Reconstruction programs must balance the urgency of swift rebuilding, in recognition of the mental and emotional toll of communities facing loss or displacement, with the need to address long-term challenges like climate change, adaptation, resilience and sustainability.

At BG&E, our emergency and disaster recovery approach is aligned with reconstruction authorities, emphasising a shift from a reactive 'getting ready' stance to a proactive 'being ready' strategy for disaster seasons. We understand the integral importance of coordinated action to improve community resilience, which involves facilitating locally led disaster recovery efforts alongside diverse stakeholders - including government agencies, non-government organisations, charities, facility managers, asset owners, and the community.

We also recognise the critical importance of meticulous disaster recovery planning, aligning with the State Emergency and Rescue Management Act (1989) and established Eligibility Guidelines as applicable to each State, to ensure structured response and recovery management, minimised risks to first responders, and provision of optimal support for affected communities.

Additionally, our engineered solutions underscore a holistic approach to ensure the treatments designed for reconstruction achieve the requirements for full eligibility funding and avoid protracted delays in commencing recovery. We see this as a vital component of fostering community confidence and resilience, complementing the efforts of emergency services and non-government organisations.

BG&E EMERGENCY DISASTER & RECONSTRUCTION MANAGEMENT

*Fitzroy River Bridge -
Kimberley Region, WA, Australia.*



A Multi-Disciplinary Approach

Our comprehensive deck of in-house engineering disciplines empowers us to rapidly respond to emergency and disaster management situations.



Key Project Milestones & Services

BG&E has a proven track record for providing robust engineering consultancy services throughout the entire lifetime of emergency and disaster management projects.

Design Only Delivery Sample	FY1 – Q1 & Q2	FY1 – Q3 & Q4	FY2 – Q1 & Q2	FY2 – Q3 & Q4	FY3 – Q1 & Q2	FY3 – Q3 & Q4
Phase 1: Emergency response, preparedness and resilience (First Response Emergency Works (FREW)).						
Phase 2: Initial disaster damage inspection and assessment.						
Phase 3: Immediate reconstruction works and holding works.						
Phase 4: Determining eligible treatment via multicriteria assessment and value for money.						
Phase 5: Concept design (including damage assessment matrixes and eligibility mapping)						
Phase 6: Integrate capacity into the treatment (sustainability, durability and resilience).						
Phase 7: Preliminary and detailed design.						
Phase 8: Procurement and Construction.						
Phase 9: Project finalisation and project close-out reporting.						
Phase 10: State Claim submission.						
Phase 11: EMA submission.						

For both Design Only and Design and Construction delivery methodology. Delivery program adaptable to align with Natural Disaster Program reporting milestones.

Why Partner With Us?

At BG&E, our track record speaks volumes. We excel in swift responses for emergencies and disaster recovery, as attested by client testimonials highlighting our professionalism, problem-solving skills, and ability to get the job done.



DRFA 22A Urgent REPA – Lamington National Park Road, QLD, Australia.

Testimonial - Department of Transport and Main Roads (TMR)

“TMR felt well supported by the consultant on this engagement. The transition from the previous [emergent works] phase to the design phase was seamless and the nominated team from the design tender [including subject matter experts] remained focused on the project and available to TMR throughout the engagement. Overall, a good project outcome was achieved which met and exceeded the functional design brief.

The project was challenging, complex, and evolved requiring a high degree of innovation, adaptation, and collaboration with the related 21C Event. The consultant led the collaboration efforts with respect to alignment with the 21C consultant on design and documentation.”

Mark Ryan, Project Manager

Disaster Recovery Funding Arrangement 21J

INNOVATIVE ENGINEERING

We are renowned for our innovative design work, and our fundamental consideration is eligibility, constructability, efficiency, and ensuring solutions align perfectly with a project’s functional objectives and brief. Every solution we deliver is bespoke and ‘best for project’, rather than what’s easiest for BG&E.

RESPONSIVENESS

Our business and reputation are built on our unwavering commitment to responsiveness, in recognition of its importance to clients. We’re committed to long-term partnerships and supporting your future endeavours.

Testimonial - Contractor Civil Mining & Construction (CMC)

"Working with BG&E's Emergency Disaster and Reconstruction Management team, led by Max Gregori, together with the fantastic geotechnical support within the team has been and continues to be a great, educational, cooperative, and fun experience.

With the BG&E team, we are able to work together collaboratively, developing practical and constructable solutions for our detailed Design and Construct tender submissions, that is delivering confidence to our clients. With the resulting award of projects, we continually receive praise for collaborative working and great communication throughout the design phase. I am really enjoying working with the BG&E team – and want them onboard with every future D&C project."

Tom Rayner, Business Development & Bid Manager NSW

Restoration of Major Landslides – Tweed Shire Council

Testimonial - Tweed Shire Council

"Hi Max, Thank you for the professional presentation by the BG&E team. I particularly appreciated your input in terms of knowledge, research into the Eligibility Criteria, Management of the various consultants, and professional approach. It has been refreshing!"

Tony Fazio, Project Manager Flood Recovery Infrastructure Delivery

Restoration of Major Landslides - Tweed Shire Council

COLLABORATIVE RELATIONSHIPS

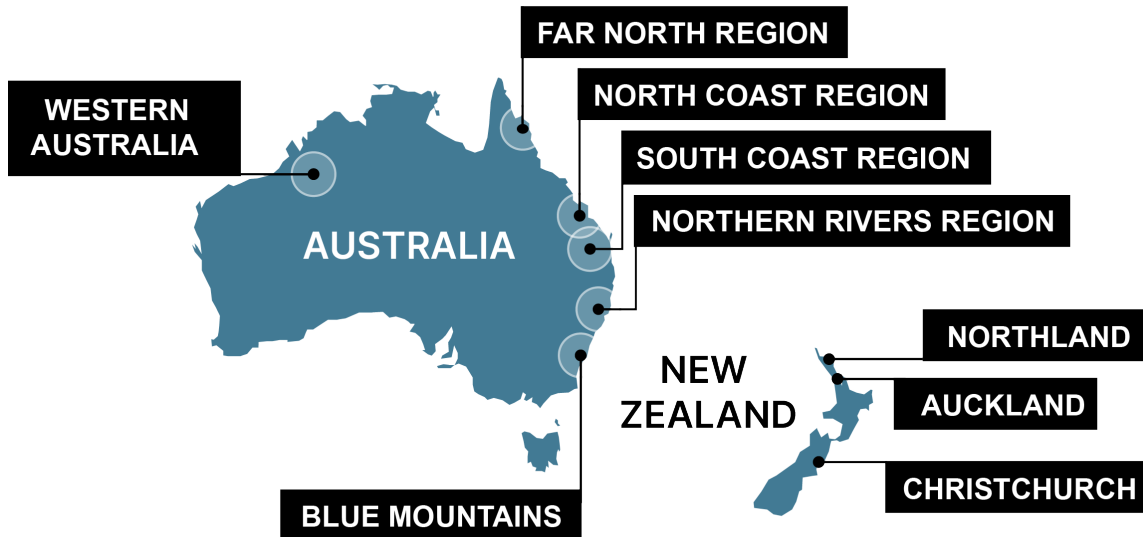
Fundamental to our success is an ability to work collaboratively with our client, design services sub-contractors, project managers, design managers, consultant firms and other stakeholders for the benefit of the project.

COMMITMENT TO QUALITY

Quality is a non-negotiable for our team – we are meticulous in our work and ensure all elements of a project meet the highest quality standards. To achieve this, we implement a Quality Assurance Plan for each project.



Flood Restoration Works – Kyogle Road, Tweed Shire Council, NSW, Australia.



Current Work Zones:

Western Australia (Saint George Ranges)

Far North Region (Palmerston Highway and Gillies Range Road)

North Coast Region (Noosa, Cooroy, Gympie and Kenilworth)

South Coast Region (Gold Coast, Logan and Scenic Rim)

Northern Rivers Region (Tweed Heads, Richmond Valley and Clarence Valley)

Blue Mountains (Jenolan Caves Road and Hampton)

New Zealand (Northland, Auckland and Christchurch)

NO GEOGRAPHIC CONSTRAINTS

BG&E boasts a unique advantage: we can tap into engineers from various disciplines and select the most qualified individuals for the job, regardless of which office they sit in, ensuring seamless execution without state-based subcontractor constraints.

*Severe Weather & Flooding, 2022 -
Tweed Heads, NSW, Australia.*



At BG&E, we are united by a common purpose – we believe that truly great engineering takes curiosity, bravery and trust, and is the key to creating extraordinary built environments.

Our team of more than 1100 highly skilled people, in offices across Australia, New Zealand, South East Asia, the United Kingdom and Middle East, design and deliver engineering solutions for clients in the Property, Transport, Ports and Marine, Water, Defence, Energy and Resources sectors.

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