CSQ

QMCA

Queensland Major Projects Pipeline 2022

QUEENSLAND MAJOR CONTRACTORS ASSOCIATION

With support from BIS Oxford Economics

www.qmca.com.au

EXECUTIVE SUMMARY

The QMCA CSQ Queensland Major Projects Pipeline Report (QMPPR) provides a comprehensive list of major engineering construction projects, alongside an analysis of the corresponding level of construction activity taking place during the year. The analysis is based on the completion of existing projects and an assessment of the future projects that are likely to go ahead.

For the past 11 years, the five-year pipeline has dramatically changed from $77b in 2011 that was heavily influenced by resource and energy investment from 2010 - 2015.

In the wake of this boom the pipeline fell away, along with investor and industry confidence.

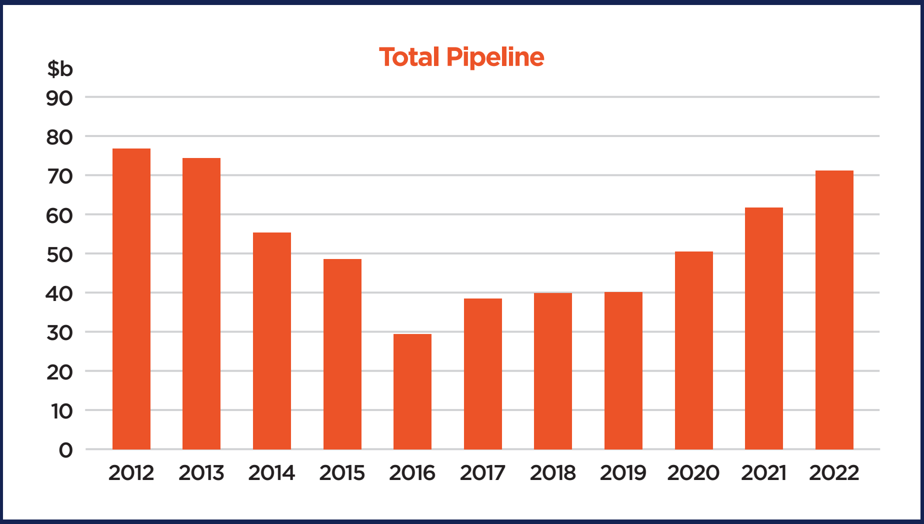
New South Wales and Victoria gained a steady march on Queensland from 2015 onwards, with large scale investment programs in public infrastructure propelling these states forward. Since 2019, we have seen a return to investment in critical infrastructure in Queensland and this is reflected in today's pipeline increase to $71.3b.

What the pipeline is now showing is increased investment in energy storage and renewable energy, and significant spending on public infrastructure. In the longer term, hydrogen projects will also add to the pipeline.

The headline figure of the five-year pipeline has slowly returned to that of 2012/13. With Olympic related infrastructure yet to be factored in, a level of confidence is returning to the industry, however, the headwinds on the horizon for the engineering and construction industries require level-headed and wise navigation. For the pipeline to be delivered successfully, how two critical issues play out will determine the reality of what can be achieved. They are:

Productivity, and skills and resources.

This year's report highlights these areas and provides the foresight required for adequate preparation.



For an accurate economic coverage, a complete list of major projects is considered for the analysis and the explicit assumptions for each project regarding work done. The construction workforces employed each year are also included. The QMCA along with support and input from Construction Skills QLD (CSQ), and in conjunction with BIS Oxford Economics and Aurora Marketing, are pleased to have developed this year's report for the industry.

The 2022 QMPPR includes all projects which are expected to be in construction over the next five years from 2022/23 to 2026/27. The report shows that major project activity is rising strongly in Queensland but there are significant headwinds to sustaining major project activity in coming years.

Now at $71.3b, the total five-year pipeline is $9.4b (14%) more than in 2021.

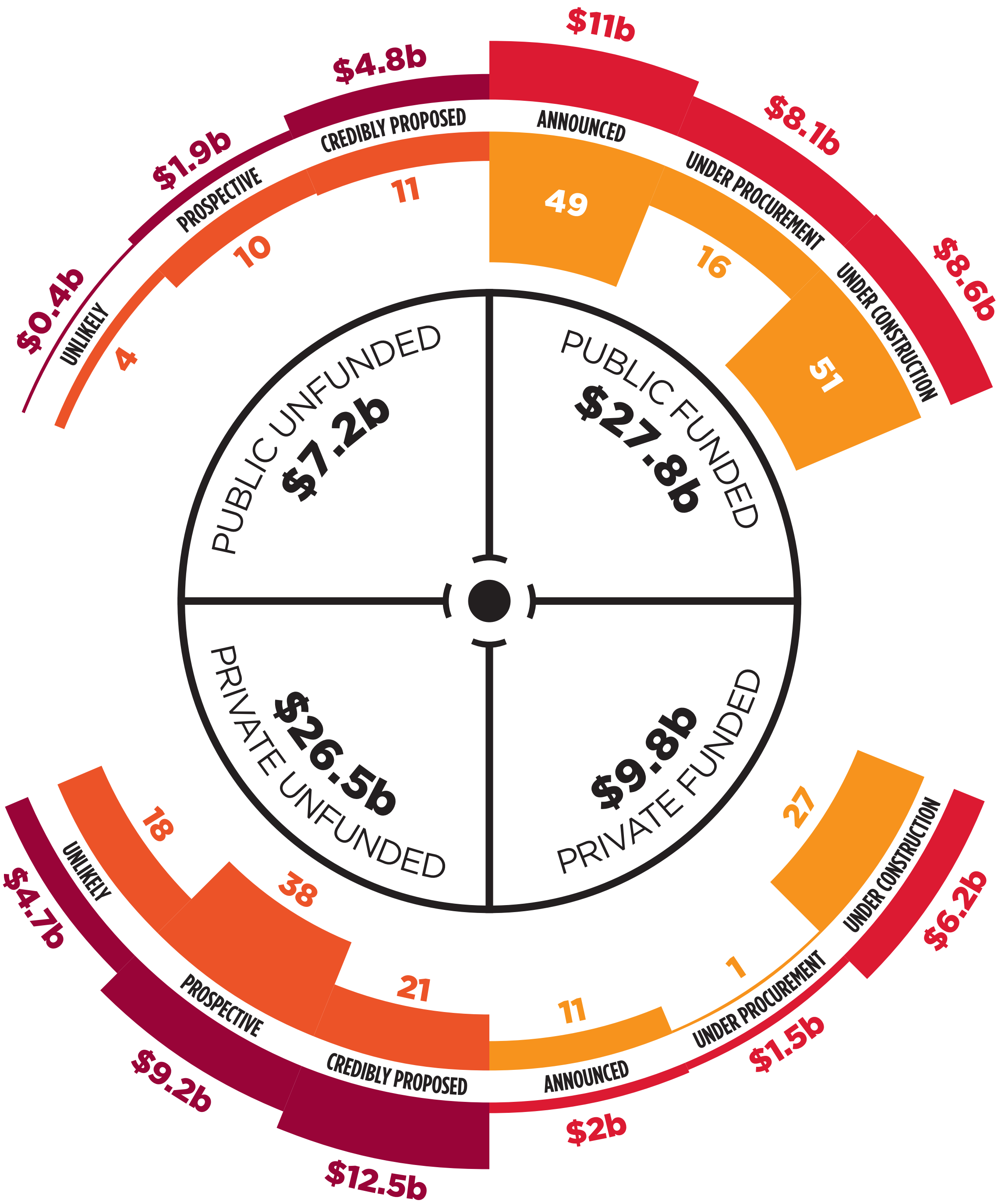
This is predominantly due to the addition of $7.3b in unfunded works, predominantly private sector funded, pushing up unfunded work in the pipeline to $33.7b.

Funded work completed on major projects over the next five years, now sits at $37.6b – this is $2.1b higher than was reported last year. In fact, funded activity has risen in each of the forward years compared to 2021 and is estimated to peak again in 2022/23 (as indicated in last year's report). It is expected that strong funded activity over the next five years will continue in roads, defence, and water and sewerage compared to 12 months ago, but less progress with non-water utilities projects (electricity, gas pipelines and telecommunications) mining and heavy industry and, to a small degree, rail.

While the pipeline is bigger than last year, activity over the next five years will reflect vast changes within regions. Lower levels of funded work is expected in Greater Brisbane, to be offset by strong increases in activity in the surrounding regions of Ipswich-Toowoomba-Logan, the Gold Coast, Sunshine Coast and Wide Bay. Funded activity will heighten across Cairns, Townsville, Fitzroy and outback regions, but is set to decline in Darling Downs-Maranoa and Mackay-Isaac-Whitsunday.

With funded work set to peak this financial year, the growth is reliant on expedient financial approvals. The pursuit of new and productive projects will maintain steady growth, and identifying infrastructure gaps, selecting productive projects and developing funding solutions will remain critical priorities.

BELOW: Pipeline Summary. Source: BIS Oxford Economics, QMCA member knowledge.



Supply chains will continue to be constrained in the short term due to the ongoing impacts of Covid-19 on economies globally, in addition to geopolitical conflicts. More than previously, sustaining – let alone growing – major project activity in Queensland will require meeting the '4C' Challenge of dealing with sharply higher **costs**, and weakened **capacity** and **capability** to deliver, whilst transitioning to a lower **carbon** world. With supply chains stretched beyond limits and Queensland competing hard for adequate resources to deliver major projects - not just among states but internationally - achieving growth will require more efficient and effective operation, and will ideally turn around the industry's poor productivity performance once and for all.

KEY FINDINGS

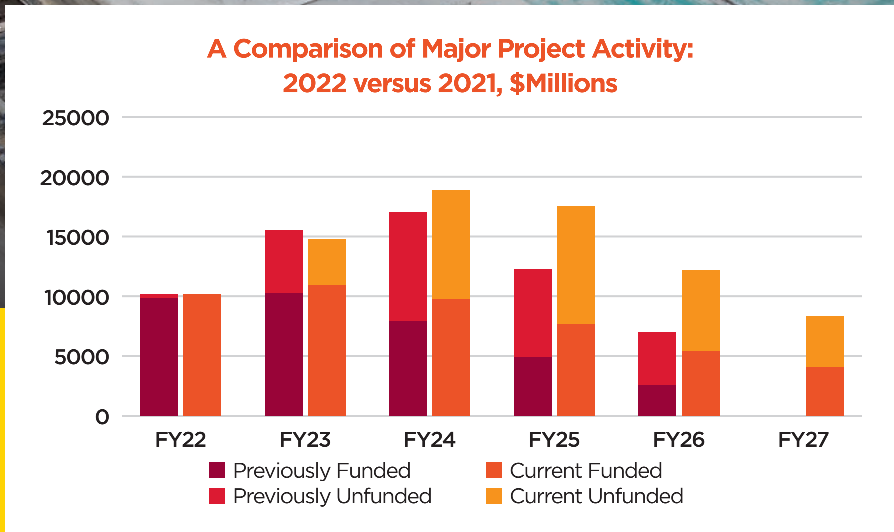
The major projects pipeline continues to grow. In the five years between 2022/23 and 2026/27 inclusive, the major projects pipeline is valued at $71.3b. This figure is much higher than the growth reported over the last two years, whereby 2021 reported $61.9b and 2020, $50.8b.

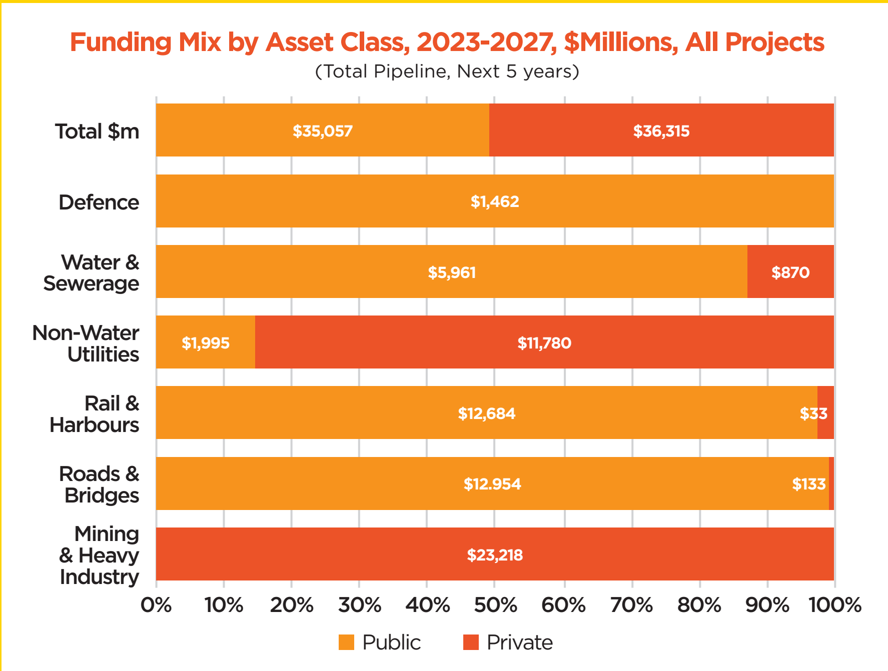
$37.6b (53%) of the pipeline value is funded, up from $35.5b in 2021.

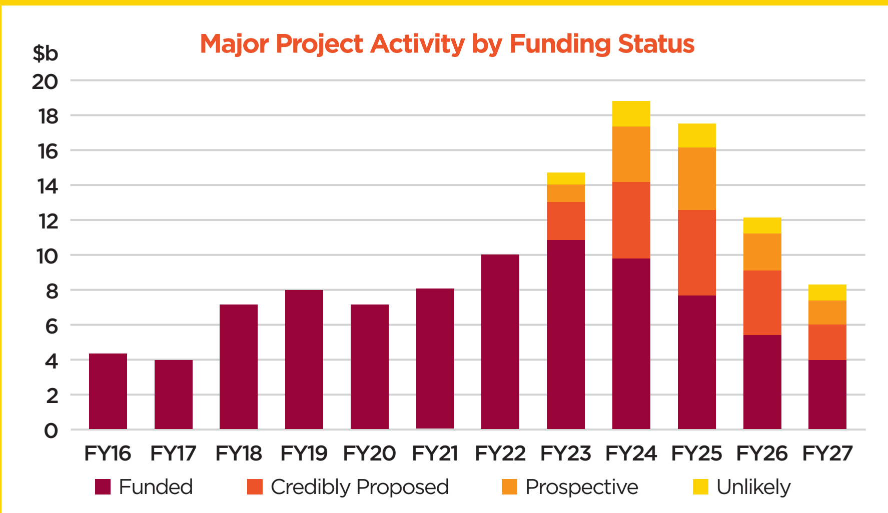
47% of the pipeline is unfunded, up 26% in 2022/23. This does create a level of uncertainty with respect to further progression of projects in the pipeline to financial decisions. There needs to be a focus on how projects can be approved and funded in a more streamlined manner.

The public sector remains a key funder of major project work. 49% of the total pipeline is funded by the public sector and represents 74% of all funded work.

2022/23 has the potential to be the strongest year of major project activity since the end of the resources boom in 2013/14 – a trend we have seen across recent QMPP reports. The total of funded and unfunded activity is projected to be $14.7b. If all unfunded works go ahead, total major project activity will have more than doubled the 2019/20 figure. It will also eclipse the total 2013/14 total by 4%. The present-day total, however, is still well below the record $19.5b worth of major project work that was set in 2012/13 at the peak of the resources boom.







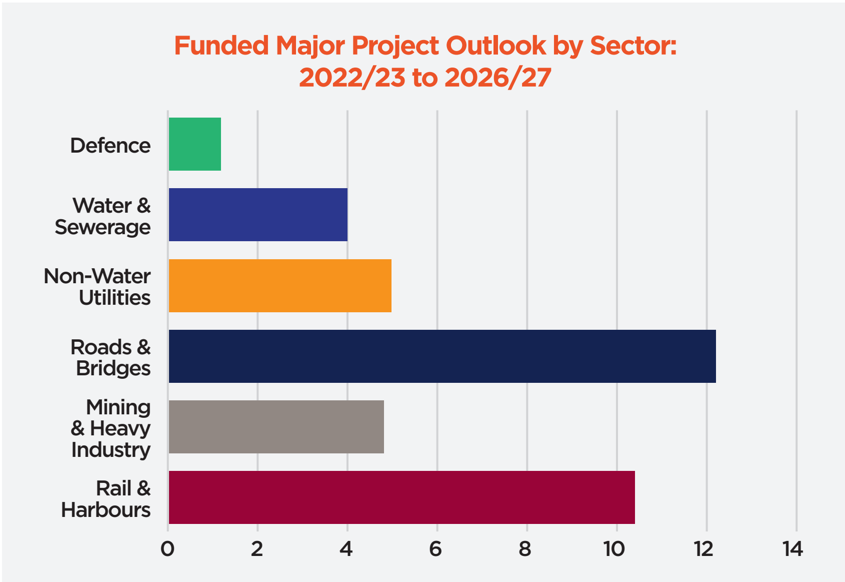
Source: BIS Oxford Economics, QMCA member knowledge.

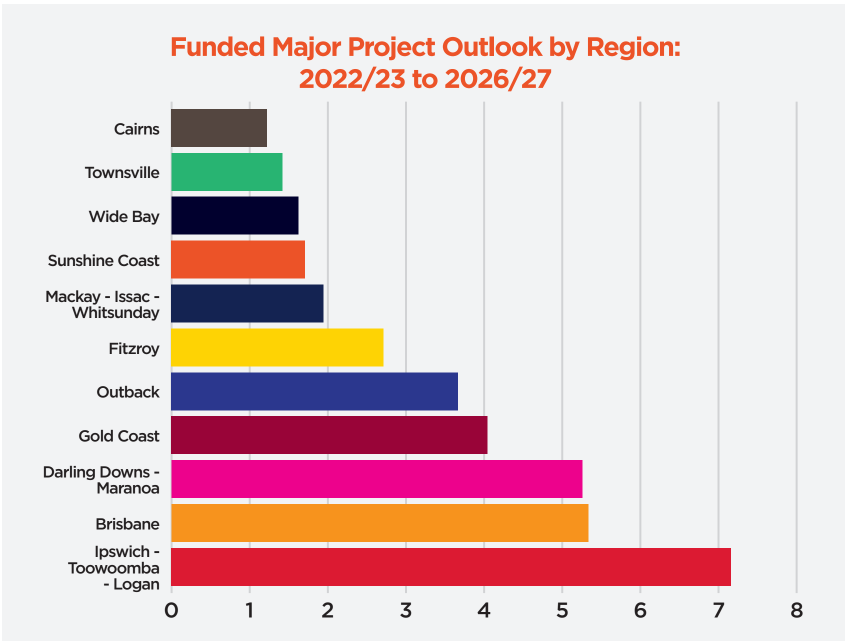
Increased construction costs and tight capacity constraints pose a threat to this favourable outlook, with the stress mostly being a direct result from supply chain disruptions and bottlenecks against a backdrop of rising demand. Road and bridge construction costs (as reflected by the ABS Road and Bridge Producer Price Index) are nearly 9% higher than 12 months ago, with broader engineering construction costs rapidly rising at a pace unmatched since 2008. Higher costs, labour shortages and general challenges associated with materials and equipment, feed into the very real risk that pipeline activity growth will stall, and some projects could be postponed or cancelled.

Sustaining the pipeline beyond 2022/23 - assuming supply constraints and costs can be managed - is critical to the sustainability of the industry. $9.8b of the pipeline in 2023/24 is funded and falls short of the funded level for the previous year. However, a substantial $9.1b in 2023/24 project activity is currently unfunded. $8.2b of this amount originates from the private sector and close to $6b of this corresponds to mining and heavy industry projects (with $4b of that amount from coal project work). $1.4b is derived from electricity projects and a total of $900m in pipelines work.

Funded work is highly concentrated in 'megaprojects' (valued at $1b). Megaprojects will contribute to about half of the funded pipeline over the next three years, which is a similarly large ratio as was reported in previous years. By contrast, projects valued under $200m make up slightly less than 10% of major project work predicted for the next three years, compared to an average of 15% of similar value during the past five years.

Major project outlooks differ considerably by region. Compared to last year, Brisbane's five-year funded pipeline has shrunk by 20%, yet surrounding regions can look towards increased funding in the pipeline. The strongest growth predicted for funded work this year, occurs in the Gold Coast and Wide Bay regions and is 60% up than it was in 2021. Major transport and water projects play a dominant role in this finding.

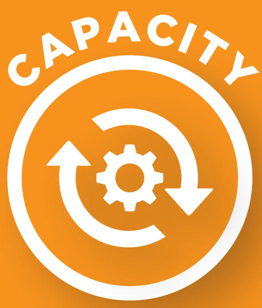




Source: BIS Oxford Economics, QMCA member knowledge.

MEETING THE '4C' CHALLENGE:

CAPACITY, CAPABILITY, COSTS AND CARBON



The 2022 QMPPR holds a promising outlook for major project activity in Queensland. Whilst current funded activity peaks in 2022/23, the substantial increase in unfunded work beyond this year, suggests there is a real possibility of major project activity growth that will maintain an upward trajectory in the coming years.

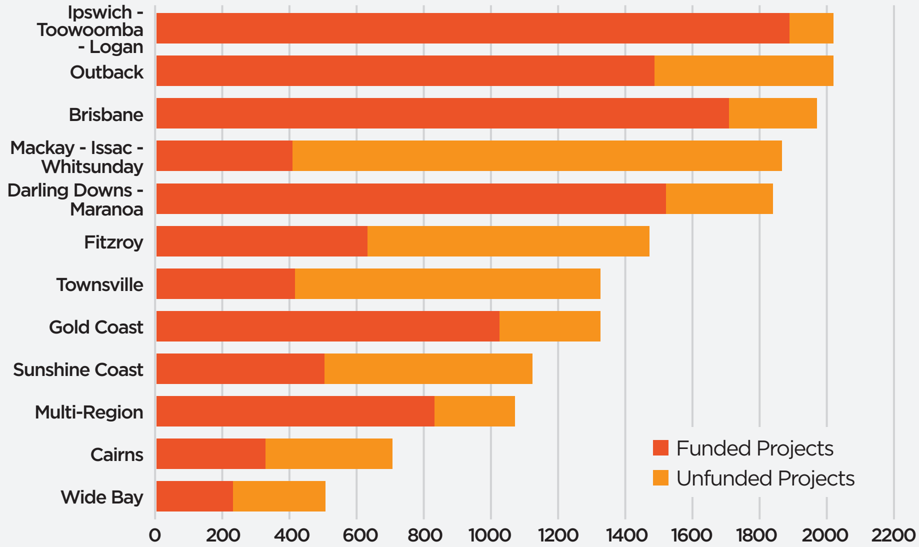
There are, however, considerable risks to the outlook. After a period of lagging behind east coast rivals of New South Wales and Victoria, Queensland is now pursuing infrastructure investment at a time when capacity and capability to deliver has been undermined by supply chain disruptions and surging input costs. While the broader economy and society seek to embrace a new and emerging 'post-Covid' normal, supply chain activity for the major project industry remain about as far from normal as they can get.

Labour shortages are widespread and this affects construction trades, professions, and unskilled labour from enduring years of border closures and disrupted education and training. The unskilled labour pool is vital to fulfilling both direct and indirect construction jobs.

Materials and equipment suppliers are also hampered by rising costs and delays in the delivery of critical machines, parts and components from overseas, as industrial production sputters towards recovery and international freight costs have increased 7-8 times over previous levels. These challenges have the potential to see major project work in the pipeline 're-profiled' to mitigate capacity, capability and cost risks, or at worst case scenario – cancelled.

The risk that infrastructure investment fails to keep pace with Queensland's impressive, nation-leading rate of population growth is a concern, especially with the need to provide infrastructure that will support the 2032 Olympics. Furthermore, these challenges may prevent timely investments in renewable energy solutions, in turn helping Australia meet its total carbon emission reduction targets.

Major Project Construction Labour Demand, 2026/27 inclusive



Source: Construction Skills Queensland for QMCA and BIS Oxford Economics (2022)

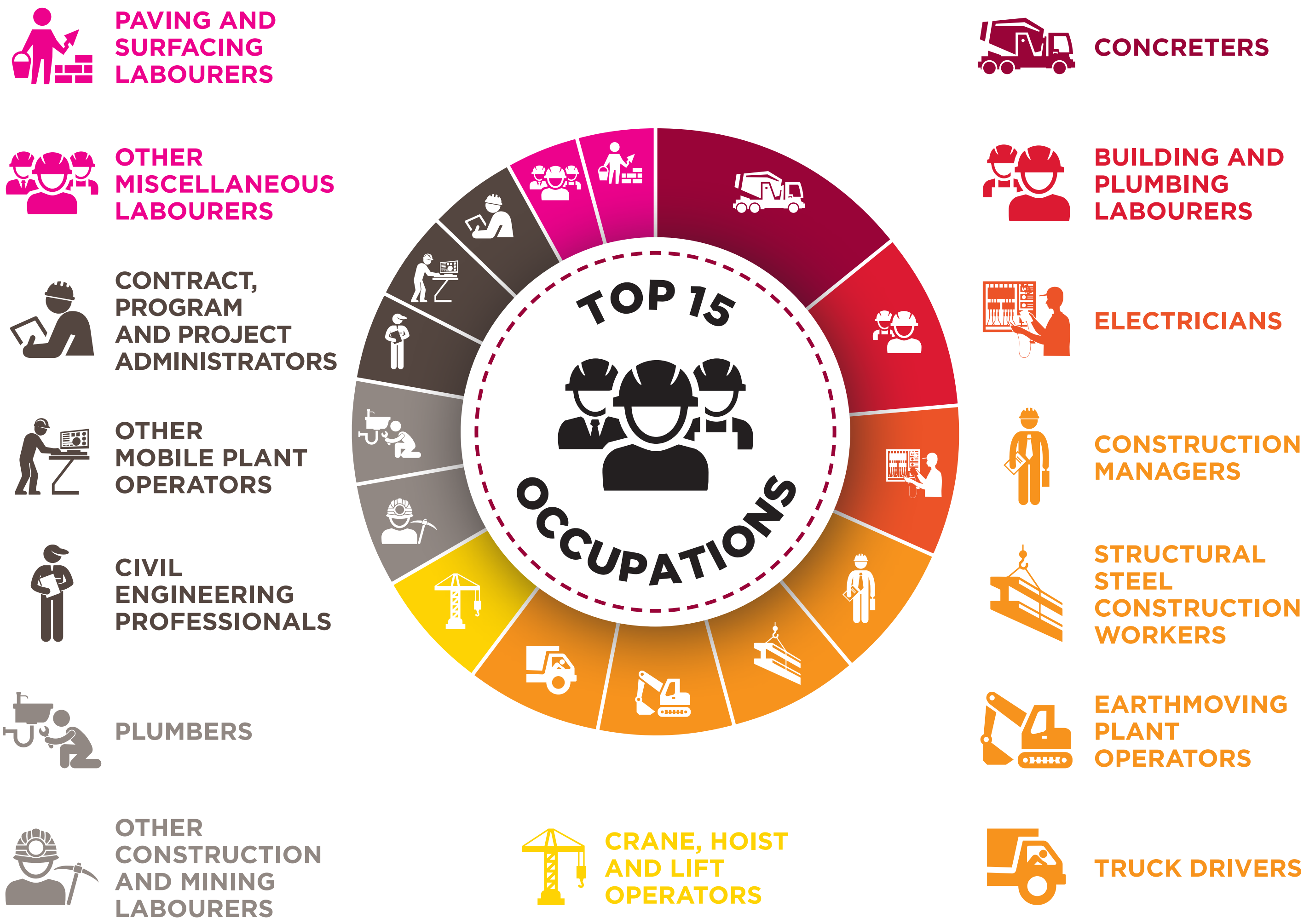
The $71.3b pipeline could require 16,200 construction workers on average from now until 2026/27, to include skilled trades, professions and unskilled labour. More workers are predicted for the funded component (approx. 10,800) which leaves 5,400 for unfunded works. Most of the worker demand will be in regional and remote Queensland, accounting for an estimated 60 to 80%.

Renewable energy is well-positioned to pick up over the long-term. As Queensland transitions to net zero and pursues a large-scale hydrogen export industry, CSQ estimate this could require $13.9b annual investment over the next 30 years. This will catalyse an almost permanent demand for civil construction labour, with an estimated 14,500 to 26,700 new jobs possibly required, more than half of which will be in regional and remote Queensland.

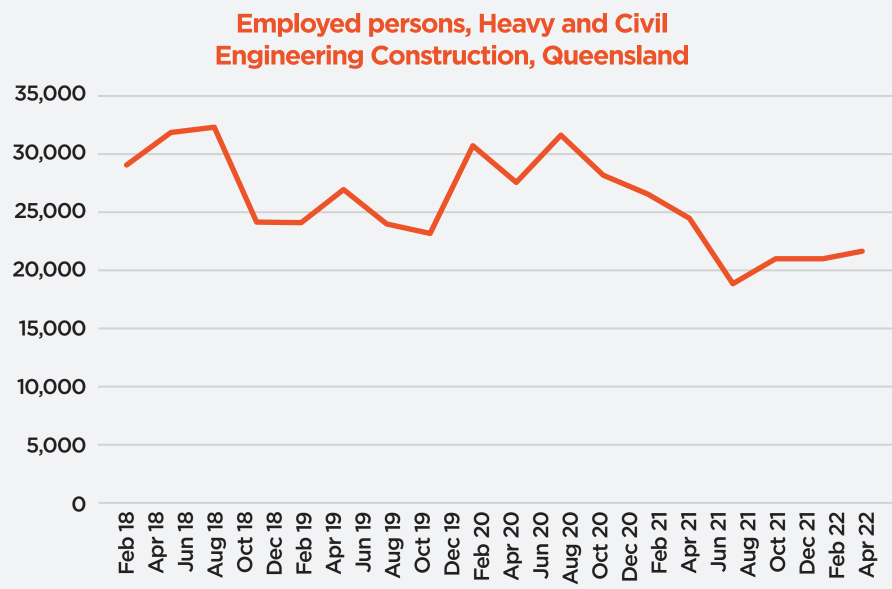
The $71.3b pipeline will be delivered under tight labour market conditions, with trade demand already very high due to the pandemic. A $16.3b pipeline already confronts Queensland's civil construction sector which is 55% growth from pre-pandemic times and is the highest point since the mining boom ended.[1] 70% is publicly funded and reflects initiatives like the state government's recovery plan and record transport investment. Unprecedented demand for critical civil trades has followed - more than 1,000 job advertisements in the most recent month.[2] The 'normal' rate is less than 500, yet this figure continues to grow, with many roles required in regional and remote Queensland.

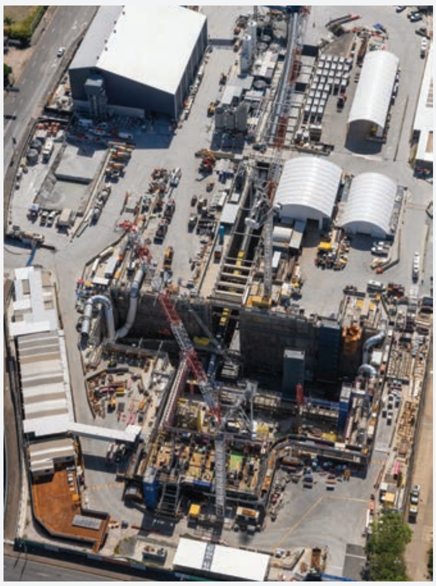
The supply side for both labour and training has not responded. Employment in the Queensland civil construction sector (currently 21,600 workers) remains 20% below pre-pandemic levels.[3] These figures have deteriorated since the pandemic began, even while broader industry employment show signs of recovery. Regarding training, a record-breaking intake of construction apprentices (driven by the pandemic wage subsidy program) has been mainly a residential phenomenon. This has inadvertently crowded the normal proportion of construction apprentices choosing to train in the civil and infrastructure sector, with that proportion now running at about half relative to 2019.[4]

[1] Australian Bureau of Statistics (2022). Engineering Construction Activity, Australia.
[2] National Skills Commission (2022). Internet Vacancy Index – Regional May 2010 - July 2022.
[3] Australian Bureau of Statistics (2022). Labour Force, Australia, Detailed.
[4] National Centre for Vocational Education and Research (2022). Apprentices and Trainees.



Source: Construction Skills Queensland for QMCA and BIS Oxford Economics (2022)





Source: Australian Bureau of Statistics (2022)

RECOMMENDATIONS

The QMPPR presents a number of measures for consideration that are targeted at boosting supply and mitigating the '4C' risks to government and industry. Perhaps more crucially, these recommendations are intended to help re-spur growth in productivity which is necessary in order to meet the 2023 QMPPR projections.

INCREASING SUPPLY

Whilst it's encouraging that the Commonwealth government has agreed to increase migration levels for skilled resources, much more is needed. Skilled migration will assist with addressing current skills shortages in construction and related input industries, as will speeding up the visa approval system and clearing application backlog.

Commonwealth and State Governments need to agree on substantial increases in education and training investment toward building and construction trades and professionals.

This may include:

- Funding additional vocational and professional places
- Boosting incentives and subsidies for apprenticeships, and
- Instituting mandated ratios of trainees and apprenticeships on all major public projects.

Government and industry should support initiatives that promote diversity and participation. Improving the culture of the engineering and construction industries is fundamental to attracting a diverse workforce. Supporting greater female participation, enhancing childcare opportunities, and making moves towards more flexible working arrangements are all encouraged, as well as embracing initiatives that embraces diversified cultures.

Meanwhile, training and workforce participation initiatives need to be implemented in regional and remote communities throughout. This generates skills development, secures work and raises standards of living for historically socio-economically disadvantaged groups, while assisting with resourcing regional programmes about renewable energy, transport and water infrastructure.

Equally, poor and unacceptable behaviour on site by certain unions must be stamped out. This is a significant contributor to mental health issues in the workplace and understandably, deters people from joining the industry.

It is the responsibility of both state and local government to ensure quarry capacity (and developments in recycled materials) keep pace with infrastructure demands. It is suggested that the programs have rapid approval processes, that quarries are developed to match regional demands, and flexibility is granted to temporarily exceed production and/or truck movement limits for critical infrastructure projects.

BOOSTING PRODUCTIVITY

Governments are encouraged to continue to seek approaches that are collaborative and bring long-term value to tendering and procurement. This can reduce infrastructure risks, costs and inefficiency, which consequently strengthens productivity and investment in capacity and capability to achieve sustainable industry outcomes. In the current high-escalation environment, procurement approaches that can help identify escalation risks earlier (for example, Early Contractor Involvement) should be preferred.

In Queensland, strides have been made in recent times towards a collaborative contracting model with Transport and Main Roads, yet this needs to be extended across the entire program and to other agencies and clients. Without this approach to the industry, further financial failures with industry and companies going under are predicted.

Innovation in the way major projects are funded, financed and procured requires government attention. Encouraging maximum industry participation and rewarding tenders that target workforce growth and labour productivity are essential.

Queensland Government agencies need to adhere to principles for lean construction, as well as work with industry to develop benchmarked lean construction processes and systems aimed at boosting productivity and reducing costs.

Governments should work with industry to continue to standardise terms, contracts and procurement models as much as possible. Pushing outdated Industrial Relations approaches on industry that doesn't reflect current standards or deliver any productivity increases need to be avoided.

Both industry and government need to collaboratively find innovative solutions for life-cycle infrastructure standards that ensure sustainability. Materials and processes used in building and maintaining enduring infrastructure that lower life-cycle costs are optimal. One of the major impediments to using alternative solutions (such as recycled materials) is their current prescriptive specifications, therefore reviewing these limitations will enable much more flexibility for innovative solutions to be trialled on projects and deployed in the future.

POSITIONING QUEENSLAND

FOR SUSTAINABLE LONG-TERM GROWTH

Queensland and Commonwealth government agencies are expected to work with industry to best allocate and share unusual price escalation risks to support industry sustainability, particularly for firms exposed on fixed price contracts. Actions agencies can take may include:

- Reducing delays between design, project tendering, submissions and approvals
- Offering winning tenderers opportunity to re-price based on market evidence, quotes, including rise and fall provisions in contracts, and
- Provisions to address the significant fluctuations and price increases across the supply chain and industry over the past 12 months and ongoing.

Government agencies need to consider either accelerated and/or advanced payments to secure purchase and storage of materials and equipment. Alternatively, they should provide other resources such as land and storage facilities to assist in early purchase of resources.

The Queensland Government would do well to transition to more stable, growing revenue streams for funding infrastructure. This will protect against volatile infrastructure investment cycles, debt and asset recycling measures, and direct private investment. A longer-term plan to shift away from stamp duties and other procyclical revenue streams is advised. This includes asset recycling and other initiatives involving private capital.

The development of a suite of policies to reduce the carbon footprint of the construction industry in Queensland, is the Government's and industry's shared responsibility. The use of less-emissions intensive materials and process, and developing optimal energy use plans for all construction projects needs to be considered.

It is recommended that National and State Governments include resilience/adaption work in infrastructure audits, and develop a list of 'at risk' infrastructure. This will ensure that the scale of these issues are fully assessed and appropriate funding plans are developed. State or Commonwealth Government agencies (including Infrastructure Australia) should be tasked with developing a comprehensive quantitative analysis to aid public decision-making.

National and State Governments need to consider ways that regulated utilities can be provided appropriate funding, with the intention of building resilience to climate change among their networks and at lowest cost to consumers.

The ongoing need for governments and industry to work together, to forge solutions and devise approaches that sufficiently meet the challenges of our times, is a constant that runs in parallel with the pipeline.


CATERPILLAR

Queensland Major Projects Pipeline Listing 2022

Source: CSQ-QMCA.

ROADS, BRIDGES & RUNWAYS

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
BNE Auto Mall	Brisbane Airport	Private	Brisbane - North	1000	560	Under Construction	133	113										
Breakfast Creek Green Bridge	Brisbane City Council	Public	Brisbane - North	67	54	Under Construction	11	33	10									
Brisbane Metro CP	Brisbane City Council	Public	Brisbane Inner City	1244	858	Under Construction	330	330	132									
Bruce Highway - Caboolture to Steve Irwin Way	Qld Government & Federal Government	Public	Sunshine Coast	663	500	Under Construction	200	200										
Bruce Highway - Cairns Southern Access Corridor Stage 3 - Edmonton to Gordonvale	Federal Government	Public	Cairns	481	300	Under Construction	110	80										
Bruce Highway - Cairns Southern Access Corridor Stage 5 - Foster Road intersection	Qld Government	Public	Cairns	225	162	Announced		61	101									
Bruce Highway - Cooroy to Curra Section D	Qld Government & Federal Government	Public	Wide Bay	1000	750	Under Construction	250	250	125									
Bruce Highway - Deception Bay Road Upgrades	Qld Government & Federal Government	Public	Moreton Bay - North	163	121	Under Construction	59	34										
Bruce Highway - Dohles Rocks Road North Facing Ramps	Qld Government & Federal Government	Public	Brisbane - North	150	113	Announced			37	38	38							
Bruce Highway - Linkfield Road Overpass	Qld Government & Federal Government	Public	Brisbane - North	125	101	Announced		15	40	46								
Bruce Highway - Mackay Ring Road Stage 2	Qld Government & Federal Government	Public	Mackay - Isaac	350	228	Announced			38	76	76	38						
Bruce Highway - Managed Motorways Program - Gateway Motorway to Caboolture Stage 2	Qld Government & Federal Government	Public	Moreton Bay - North	105	53	Under Construction	20	20	13									
Bruce Highway - Maroochydore Road and Mons Road Interchanges Upgrade	Qld Government & Federal Government	Public	Sunshine Coast	301	240	Under Construction	116	26										
Bruce Highway - Pine River to Dohles Rocks Road interchange	Qld Government & Federal Government	Public	Moreton Bay - North	1098	834	Announced			40	160	200	190	160	64	20			
Bruce Highway - Pavement Widening - South of Home Hill to North Ingham	Qld Government & Federal Government	Public	Townsville	100	75	Under Construction	4	5										
Bruce Highway - Rockhampton Ring Road (North & South Packages)	Qld Government & Federal Government	Public	Fitzroy	1100	825	Under Procurement		236	236	236	118							
Bruce Highway - Saltwater Creek Upgrade	Federal Government	Public	Townsville	103	77	Under Construction	26	26	26									
Bruce Highway - Tiaro Flood Immunity Upgrade	Federal Government	Public	Wide Bay	336	252	Announced		42	105	105								
Bruce Highway - Townsville Northern Access Intersections Upgrade	Qld Government & Federal Government	Public	Townsville	108	81	Under Construction	38	38										
Bruce Highway - Townsville Ring Road Stage 5	Qld Government & Federal Government	Public	Townsville	230	115	Under Construction	58	57										
Bruce Highway - Upgrade Burdekin River Bridge	Qld Government & Federal Government	Public	Townsville	94	51	Under Construction	3	6	9	10	9	7	6					
Cairns Ring Road	Qld Government & Federal Government	Public	Cairns	359	251	Announced		31	90	90	40							

ROADS, BRIDGES & RUNWAYS

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Cairns Western Arterial Road - Redlynch Connector Road to Captain Cook Highway, Duplication	Qld Government & Federal Government	Public	Cairns	300	230	Announced		18	60	60	50	42						
Centenary Highway Capacity Upgrade - Ipswich Motorway to Toowong	Qld Government	Public	Ipswich	400	240	Prospective			40	80	80	40						
Centenary Highway Bridge Duplication	Qld Government	Public	Ipswich	244	176	Under Procurement		56	70	49								
Cleveland - Redland Bay Road Upgrade	Qld Government	Public	Brisbane - South	110	77	Under Construction	25	31	22									
Cooktown to Weipa Corridor Upgrade	Qld Government & Federal Government	Public	Outback - North	323	220	Under Construction	41	95	84									
Coomera Connector Stage 1 - North	Qld Government & Federal Government	Public	Gold Coast	677	432	Under Construction		91	216	125								
Coomera Connector Stage 1 - Central	Qld Government & Federal Government	Public	Gold Coast	1185	756	Under Procurement		126	252	252	126							
Coomera Connector Stage 1 - South	Qld Government & Federal Government	Public	Gold Coast	338	216	Announced			45	108	63							
Cunningham Highway Upgrade	Qld Government	Public	Ipswich	213	155	Announced		56	75	24								
Gateway Motorway - Bracken Ridge to Pine River	Qld Government & Federal Government	Public	Brisbane - North	1000	781	Announced			49	120	140	140	140	140	52			
North South Urban Arterial Corridor (Moreton Connector)	Qld Government & Federal Government	Public	Brisbane - North	920	690	Credibly Proposed				83	121	152	152	131	51			
Gladstone Port Access Road Extension	Qld Government & Federal Government	Public	Outback - North	125	88	Announced		33	55									
Gympie Arterial Road Interchange Upgrade	Qld Government & Federal Government	Public	Brisbane - North	65	51	Under Construction	27	24										
Inland Freight Route (Mungindi to Charters Towers) Upgrades	Qld Government & Federal Government	Public	Darling Downs - Maranoa	500	363	Announced		15	40	50	50	50	50	50	40	18		
Ipswich Motorway Corridor	Qld Government & Federal Government	Public	Brisbane - West	100	74	Prospective			19	37	19							
Ipswich Motorway; Rocklea to Darra Stage 2 - Oxley to Darra	Qld Government	Public	Ipswich	520	390	Prospective					30	150	150	60				
Kangaroo Point Green Bridge	Brisbane City Council	Public	Brisbane Inner City	190	150	Under Construction	75	75										
Level Crossing Removal - Beams Road	Qld Government	Public	Brisbane - North	209	146.6	Announced		49	98									
Level Crossing Removal - Boundary Road	Qld Government & Federal Government	Public	Brisbane - West	186	142.7	Announced		48	95									
Lindum Rail Crossing Upgrade	Brisbane City Council / Qld Government / Federal Government	Public	Brisbane - East	85	59.5	Announced			10	30	20							
M1 Pacific Motorway - Varsity Lakes to Tugun	Qld Government & Federal Government	Public	Gold Coast	1000	750	Under Construction	250	250	125									
M1 Pacific Motorway - Watland St - Logan Motorway (Stage 3a)	Qld Government & Federal Government	Public	Gold Coast	1000	750	Announced			125	250	250	125						

ROADS, BRIDGES & RUNWAYS

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M1 Pacific Motorway North: Daisy Hill to Logan Motorway	Qld Government & Federal Government	Public	Logan - Beaudesert	1000	670	Announced		33	180	200	155	102						
M1 Pacific Motorway North: Eight Mile Plains to Daisy Hill	Qld Government & Federal Government	Public	Logan - Beaudesert	750	493	Under Construction	164	164	83									
M1 Pacific Motorway Upgrade Program - Intersection Upgrades (Exit 41)	Qld Government & Federal Government	Public	Brisbane - South	82	40	Under Construction	20	10										
M1 Pacific Motorway Upgrade Program - Intersection Upgrades (Exit 49)	Qld Government & Federal Government	Public	Brisbane - South	110	60	Under Construction	10	30	20									
Mt Isa to Rockhampton Corridor Upgrade (incl. Yeppoon Road Duplication)	Qld Government & Federal Government	Public	Outback - North	237	150	Announced		27	50	50	23							
Mackay Port Access - Bruce Highway to Mackay - Slade Point Road	Qld Government & Federal Government	Public	Mackay - Isaac	350	250	Announced		40	100	100	10							
Mt Lindesay Highway - Johanna Street to South Street	Qld Government	Public	Logan - Beaudesert	53	38	Under Construction	13	25										
Mt Lindesay Highway - Stony Camp Road to Chambers Flat Road	Qld Government & Federal Government	Public	Logan - Beaudesert	75	56	Under Construction	22	22										
Northern Transitway	Qld Government & Federal Government	Public	Brisbane - North	72	50	Under Construction	20	26										
Peak Downs Highway - Walkerston Bypass	Qld Government & Federal Government	Public	Mackay - Isaac	187	95	Under Construction	34	41	20									
Cape York Region Package Stage 2	Qld Government & Federal Government	Public	Outback - North	238	178	Under Construction	50	55	43									
Riverway Drive Stage 2 (Allambie Lane - Dunlop Street)	Qld Government	Public	Townsville	95	68	Announced		27	41									
Sunshine Motorway - Mooloolah River Interchange Stage 1	Qld Government	Public	Sunshine Coast	320	220	Announced		30	80	80	30							
Tennant Creek to Townsville Corridor Upgrade - Queensland	Qld Government & Federal Government	Public	Townsville	250	180	Announced			35	50	50	45						
Toowoomba to Ipswich Corridor Upgrade	Qld Government & Federal Government	Public	Ipswich	75	56	Announced		7	7	9	13	12	11					
Townsville to Roma Corridor Upgrade	Qld Government & Federal Government	Public	Townsville	125	93.75	Announced			13	33	33	15						
Warrego Highway Upgrades between Ipswich and Toowoomba	Qld Government & Federal Government	Public	Toowoomba	468	344.8	Announced		43	86	86	86	43						
Youngs Crossing Road, Lawnton	Moreton Bay Regional Council	Public	Brisbane - North	83.25	45.63	Under Procurement		9	28	9								
Indooroopilly Roundabout Intersection Upgrade	Brisbane City Council	Public	Brisbane - West	126.2	95.912	Under Construction	30	41	25									
Moggill Road Corridor Upgrade project - all stages (where Stage 1 completes in early 23/24)	Qld Government	Public	Brisbane - West	183	146.4	Under Construction	10	50	8	35	38							
Outback Way, QLD	Federal Government	Public	Outback - North	154	100.1	Announced			5	10	15	20	20	15	10	5		
Gateway Motorway and Bruce Highway Upgrades, North Brisbane to Moreton Bay Region	Federal / Qld Government	Public	Brisbane - North	2100	1407	Announced				141	211	422	352	281				

RAIL

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Beerburrum to Nambour Rail Upgrade (Stage 1)	Qld Government / Aurizon	Public	Sunshine Coast	800	650	Under Procurement		41	81	163	203	163						
Varsity Lakes to Elanora Extension	Qld Government / Aurizon	Public	Gold Coast	859	470	Prospective				130	180	160						
CRR; Tunnel, Stations and Development (TSD) PPP	Qld Government	Public	Brisbane Inner City	3700	3400	Under Construction	933	933	560									
CRR; Rail, Integration and Systems package (RIS)	Qld Government	Public	Brisbane Inner City	900	900	Under Construction	228	228	200									
CRR; European Train Control System Level 2	Qld Government	Public	Brisbane Inner City	634	600	Under Construction	155	28	27									
CRR; Three new stations (Pimpama, Helensvale North and Worongary-Merrimac)	Qld Government	Public	Brisbane Inner City	120	80	Announced			40	40								
North Coast Line Capacity (Brisbane to Cairns)	Qld Government	Public	Cairns	116	70	Under Construction	17	17										
Inland Mainline Freight Upgrade; NSW/QLD Border to Gowrie	ARTC	Public	Darling Downs - Maranoa	1600	1350	Under Procurement		120	440	450	340							
Inland Mainline Freight Upgrade; Gowrie to Kagaru	ARTC	Public	Ipswich	3550	2900	Under Procurement			258	945	967	730						
Inland Mainline Freight Upgrade; Kagaru to Acacia Ridge & Bromelton	ARTC	Public	Logan - Beaudesert	150	100	Announced			20	40	40							
Aldoga Rail Yard For SBR	Qld Government	Public	Outback - North	350	280	Unlikely							70	140	70			
Elanora to Coolangatta extension	Qld Government	Public	Gold Coast	700	490	Unlikely						196	294					
Ipswich to Springfield	Qld Government	Public	Ipswich	1500	1050	Credibly Proposed					250	250	250	300				
Moura - Aldoga Link Project (Wiggins)	Aurizon	Public	Outback - North	500	325	Unlikely						135	140	50				
Wiggins Island Coal Rail Infrastructure Stage 2	Aurizon	Private	Outback - North	714	499.8	Unlikely						83	167	167	83			
Wiggins Island Coal Rail Infrastructure Stage 3	Aurizon	Private	Outback - North	450	315	Unlikely								126	126	63		
Gold Coast Light Rail Stage 3	Qld Government & Federal Government	Public	Gold Coast	1200	852	Under Construction	248	248	248	107								
Loganlea Station Relocation	Qld Government & Federal Government	Public	Logan - Beaudesert	95	62	Announced		14	24	24								
Mt Isa to Townsville	Queensland Rail	Public	Outback - North	380	320	Under Construction	80	80	80	40								
CRR; Clapham Yard Stabling (Moorooka)	Queensland Rail	Public	Brisbane - South	299	120	Under Construction	40	40	20									
Gold Coast Rail Line Capacity Improvement (Kuraby to Beenleigh) - Preconstruction	Queensland Rail	Public	Gold Coast	356	215	Under Construction	86	129										
Logan and Gold Coast Faster Rail	Qld Government & Federal Government	Public	Logan - Beaudesert	2600	1820	Announced			114	228	455	569	455					
Beerwah to Caloundra Rail Line	Qld Government	Public	Sunshine Coast	1600	1120	Announced						192	368	368	192			
Gold Coast Light Rail Stage 4	Qld Government & Federal Government	Public	Gold Coast	750	600	Announced				150	250	200						

HARBOURS/PORTS

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Townsville Port Expansion Project - Outer Harbour Expansion (Berths 14 & 15)	Qld Government	Public	Townsville	200	150	Prospective			50	50	50							
Townsville Port Expansion Project - Channel Capacity Upgrade	Qld Government	Public	Townsville	232	186	Under Construction	40	50	46									
Urangan Boat Harbour	Watpac / Seymour	Private	Wide Bay	800	200	Unlikely				90	100	10						
Abbot Point Dredging	Qld Government	Public	Mackay - Isaac	600	240	Credibly Proposed		80	80	80								
Hay Point Berth 2 Upgrade	BMA	Private	Mackay - Isaac	200	150	Under Construction	50	50										
BP Wharf Repurposing	Port of Brisbane	Public	Brisbane - East	100	80	Unlikely			40	40								
Port of Gladstone - Second Shipping Lane (Gatcombe and Golding Cutting Channel Duplication Project)	Gladstone Port Authority	Public	Fitzroy	760	532	Prospective			170	210	152							

DEFENCE

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Singapore Force Posture Initiatives - Shoalwater Bay	Federal Government	Public	Fitzroy	1100	400	Under Construction	133	133										
Singapore Force Posture Initiatives - Townsville	Federal Government	Public	Townsville	1100	600	Under Construction	200	200										
C11 80 Cairns	Federal Government	Public	Cairns	200	200	Under Construction	67	67	67									
EST02202 Other Sites and Redevelopment - Upgrade and Remediation Works to 9 sites	Federal Government	Public	Multi-Region	326	279	Credibly Proposed		93	93	93								
EST2039 - Borneo Barracks Redevelopment	Federal Government	Public	Toowoomba	200	200	Announced		67	67	67								
RAAF Base Townsville - Pellegrine Facilities (AIR 555 Phase 1)	Federal Government	Public	Townsville	294	234	Under Construction	18	72	72	72								
HMAS Cairns (NCIS) Facility Upgrade	Federal Government	Public	Cairns	155	100	Under Procurement		22	44	33								
P0010 National Airfields Maintenance RAAF Amberley	Federal Government	Public	Ipswich	100	100	Under Procurement			50	50								
P0012 National Airfields Works - Oakey, Townsville & Oakey	Federal Government	Public	Multi-Region	100	100	Announced			50	50								

WATER

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Lower Fitzroy River Infrastructure Project - Rookwood Weir	Sunwater for Lower Fitzroy River	Public	Fitzroy	352	195	Under Construction	60	99										
Fitzroy to Gladstone Pipeline	Gladstone Area Water Board (GAWB)	Public	Fitzroy	500	400	Under Procurement		67	133	133	67							
Wyaralong Dam WTP Stage 1	Seqwater	Public	Logan - Beaudesert	200	150	Credibly Proposed							38	38	38	38		
Somerset Dam Upgrade	Seqwater	Public	Ipswich	600	450	Credibly Proposed		100	125	125	100							
Lake McDonald Dam Upgrade	Seqwater	Public	Wide Bay	200	161	Under Procurement		64	96									
Toowoomba to Warwick Pipeline	Seqwater	Public	Toowoomba	300	270	Announced		83	125	62								
Urannah Dam	Bowen River Utilities	Public	Mackay - Isaac	2900	1933	Credibly Proposed				564	564	564	243					
Burdekin Falls Dam - Saddle Dam and Monolith Improvement	Sunwater	Public	Townsville	190	121	Announced		37	48	35								
Big Rocks Weir - Upper Burdekin	Townsville Enterprise	Public	Townsville	60	60	Announced			18	18	18	8						
Beaudesert Water Supply Zone Projects Stage 1 and 2	Qld Government	Public	Logan - Beaudesert	160	120	Under Construction	30	15										
Borumba Dam Stage 3	Seqwater	Private	Wide Bay	250	185	Prospective						62	62	62				
Cedar Grove Connector	Seqwater	Public	Logan - Beaudesert	100	70	Prospective			35	35								
Emu Swamp Dam	Granite Belt Water	Public	Darling Downs - Maranoa	206	164	Under Procurement			47	70	47							
Haughton Channel Capacity Upgrade	Townsville City Council	Public	Townsville	90	70	Prospective		20	50									
Haughton Pipeline Duplication - Stage 2	Townsville City Council	Public	Townsville	274	183	Under Procurement		56	84	42								
Paradise Dam Primary Spillway Improvement Project (DIP)	Sunwater	Private	Wide Bay	1200	900	Announced		16	15	51	264	287	267					
Six Mile Creek Dam Safety Upgrade Project	Seqwater	Public	Sunshine Coast	100	75	Under Construction	38	38										
Burdekin Falls Dam - Raising	Sunwater	Public	Townsville	500	350	Credibly Proposed					100	150	100					
Water Treatment for Bowen Fields	Arrow Energy	Private	Mackay - Isaac	250	175	Prospective		88	88									
Hughenden Irrigation Scheme	North Queensland Water Infrastructure Authority	Public	Fitzroy	300	210	Announced		70	70	70								
Cairns Water Security Program - Stage 1	Qld Government	Public	Cairns	215	161	Announced		27	54	54	27							

SEWERAGE

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Luggage Point Sewerage Scheme	Queensland Urban Utilities (QUU)	Public	Brisbane - North	600	500	Under Construction	38	38	38	38	38	38	38					
Gold Coast Council Long Term Recycled Water Release Stage 2 - South Stradbroke Pipeline	GCC	Public	Gold Coast	250	188	Announced				60	128							
Northern Treatment	Queensland Urban Utilities (QUU)	Public	Brisbane Inner City	220	175	Under Construction	37	23										
Southern Treatment Ipswich	Queensland Urban Utilities (QUU)	Public	Ipswich	170	136	Under Construction	40	53										
Norman Creek Sewer Augmentation - Brisbane	Queensland Urban Utilities (QUU)	Public	Brisbane Inner City	122	92	Announced			12	12	12	12	12	12	12	12		
Eagle Farm Rising Main Upgrade - A	Queensland Urban Utilities (QUU)	Public	Brisbane - North	165	124	Announced				16	16	16	16	16	16	16	16	
S1 Tunnel extn to Eagle Farm PS - B	Queensland Urban Utilities (QUU)	Public	Brisbane - North	96	72	Announced									18	18	18	18
S2 & Corinda Chelmer Sewer Augmentation	Queensland Urban Utilities (QUU)	Public	Brisbane - West	69	52	Announced		9	9	9	9	9	9					
Cazwell Street SPS to Hamilton Siphon	Queensland Urban Utilities (QUU)	Public	Brisbane - East	94	70	Announced		12	12	12	12	12	12					
Logan Water Infrastructure Program Alliance	Logan City Council	Public	Logan - Beaudesert	1000	746.5	Under Construction	83	83	83	83	83	83	83					
Cannery Creek Sewer Upgrade	Qld Government	Public	Brisbane - North	65	39	Announced		9	21	9								
Burpengary East STP Upgrade	Unity Water	Public	Sunshine Coast	65	55	Under Procurement			25	30								
Brendale STP Upgrade	Unity Water	Public	Sunshine Coast	65	55	Under Procurement			25	30								
Kawana STP Upgrade	Unity Water	Public	Sunshine Coast	150	100	Prospective					25	40	35					
Wamuran Irrigation Recycled Water Scheme (STP & Network)	Unity Water	Public	Sunshine Coast	150	120	Under Construction	50	70										
Aura & Harmony Water and Sewerage Network	Unity Water	Public	Sunshine Coast	230	200	Under Procurement		33	100	67								

ELECTRICITY

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
North Queensland Power Station	Private / Qld Gov / Feds	Private	Townsville	800	600	Unlikely		100	250	250								
Raglan Solar (300MW)	Eco Energy Group	Private	Fitzroy	327	114	Announced		57	57									
Bouldercombe Solar Farm (200MW)	Eco Energy Group	Private	Fitzroy	240	84	Announced		42	42									
Kidston Solar Project - Stage 2 (270 MW)	Genex Power	Private	Far North	400	140	Credibly Proposed		70	70									
150MW Kidston Stage 3 Wind Project	Genex Power	Private	Far North	250	88	Prospective		15	60	13								
Kidston Pumped Hydro Storage Project	Genex Power	Private	Far North	330	200	Under Construction		100	100									
Baralaba Solar Farm 92MW	FRV Services Australia Pty Ltd	Private	Fitzroy	150	53	Prospective				26	27							
Collinsville North Solar Project 100MW	Equis	Private	Mackay - Isaac	200	75	Announced		37	37									
Forsayth Wind Farm 75MW	Infigen Energy	Private	Cairns	120	42	Announced		21	21									
Koberinga Solar Farm 55MW	ESCO Pacific	Private	Townsville	90	32	Credibly Proposed				16	16							
Mirani Solar Farm 60MW	ESCO Pacific	Private	Mackay - Isaac - Whitsunday	100	35	Credibly Proposed			35									
Kelsey Creek Solar Farm 50MW	KCSF Consortium	Private	Mackay - Isaac - Whitsunday	80	28	Prospective				28								
Clermont (Phase 2) 75MW	Wirsol Energy	Private	Mackay - Isaac - Whitsunday	120	42	Prospective				12								
Lower Wonga Solar Farm (Stage 1) 350MW	Solar Q	Private	Wide Bay	560	196	Announced		39	78	78	30							
Blair Athol Solar Farm 60MW	TerraCom Limited	Private	Mackay - Isaac	100	35	Announced		18	18									
Tieri Solar Farm 77MW	FRV Services Australia Pty Ltd	Private	Fitzroy	400	140	Prospective		70	70									
Chinchilla Solar Farm 100MW	First Solar	Private	Darling Downs - Maranoa	160	56	Prospective			28	28								
Rugby Run Solar Farm Stage 2 105MW	Adani Australia	Private	Mackay - Isaac - Whitsunday	170	60	Prospective				20	40							
Clarke Creek Wind and Solar Farm (Stages 1 and 2)	Squadron Energy	Private	Mackay - Isaac	3000	700	Under Construction		140	140	140	140	140						
Majors Creek Solar Project 400MW	Edify Energy	Private	Townsville	640	224	Prospective					50	100	74					
Cape York Solar Storage 55MW	Lyon Group	Private	Outback - North	90	32	Prospective					32							
Barcaldine Remote Community Solar Farm (Stage 2) 50MW	Barcaldine Remote Community Solar Farm	Private	Outback - North	80	28	Prospective				28								
Lakeland Wind Farm 100MW	Windlab	Private	Cairns	160	56	Prospective			36	20								
Kaban Green Fower Hub 157MW	Neoen	Private	Cairns	300	90	Under Construction	40	40										
Freedom Power One 250MW	CWP Renewables	Private	Townsville	1300	455	Prospective				100	200	155						
Moura Solar Farm 110MW	ESCO Pacific	Private	Fitzroy	180	63	Under Construction	32	32										
Dingo Solar Farm 85MW	ESCO Pacific	Private	Fitzroy	140	49	Under Construction	25	25										

ELECTRICITY

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Rolleston Solar Farm 90MW	RES Australia	Private	Fitzroy	140	49	Prospective					20	29						
Chewko Solar farm 75MW	Tilt Renewables	Private	Cairns	120	42	Prospective			42									
Mareeba Solar Farm 60MW	CleanGen	Private	Cairns	100	35	Prospective				35								
Burdekin Solar Farm 140MW	CleanGen	Private	Mackay - Isaac	220	77	Announced		39	39									
Desailly Renewable Energy Park 1000MW	DP Energy	Private	Cairns	1600	560	Prospective					100	260	200					
Gumlu Solar Farm 60MW	RJ Gordon Solar Consultants	Private	Mackay - Isaac - Whitsunday	100	35	Prospective			35									
Bluff Solar farm 100MW	Infigen Energy	Private	Fitzroy	160	56	Prospective				20	36							
Archer Point Wind Farm 120MW	Wind Power Queensland	Private	Townsville	190	67	Prospective			30	37								
Aramara Solar Farm (140 MW)	Eco Energy World (EEW) Australia	Private	Wide Bay	280	98	Credibly Proposed		48	50									
Powering North Queensland: Transmission Line	Powerlink	Public	Cairns	150	128	Credibly Proposed		64	64									
Burdekin Falls - Hydro-Electric Power Station (50MW)	Stanwell	Public	Townsville	200	120	Prospective			30	60	30							
Galilee Basin Transmission Project	Adani	Private	Mackay - Isaac	100	80	Under Construction	40	20										
Aldoga Solar Farm 480MW	ACCIONA / Qld Government	Public	Outback - North	500	150	Announced		50	100									
Copperstring Transmission Line (2.0)	CuString Pty Ltd	Private	Outback - North	1700	1500	Under Procurement		500	500	500								
Forest Wind	Clean Sight/Siemens Financial Services	Private	Wide Bay	2000	1000	Prospective		167	417	417								
MacIntyre Wind Farm	CleanCo / ACCIONA	Private	Darling Downs - Maranoa	1960	980	Under Construction	430	430	120									
Dulacca Renewable Energy Project Wind Farm	Renewable Energy Systems	Private	Darling Downs - Maranoa	450	225	Under Construction	100	100	25									
Lockyer Valley Hybrid Gas-BESS	Quinbrook	Private	Darling Downs - Maranoa	200	120	Credibly Proposed		60	60									
Borumba Dam Pumped Hydro	PowerLink	Public	Sunshine Coast	1500	1000	Credibly Proposed				175	325	325	175					
Big T Pumped Hydro Storage Project	BE Power Projects Pty Ltd	Private	Toowoomba	980	784	Prospective				50	200	200	200	134				
Bouldercombe Battery Project	Genex Power	Private	Fitzroy	100	60	Under Construction	15	45										
Edenvale Solar Farm	Sojitz and ENEOS	Private	Darling Downs - Maranoa	200	160	Under Construction	80	80										
Wambo Wind Farm - Stage 1	Cubico / Stanwell	Private	Darling Downs - Maranoa	363	218	Announced		100	118									
Banana Range Wind Farm	EDF Group	Private	Mackay - Isaac	500	300	Prospective			100	100	100							
Kogan Creek BEES (100MW)	CS Energy	Public	Darling Downs - Maranoa	150	90	Credibly Proposed			60	30								

PIPELINES

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Arrow Bowen Pipeline	Shell / Arrow / Bow	Private	Mackay - Isaac	450	360	Prospective			160	200								
Northern Gas Pipeline Extension/Expansion (Qld Component)	Jemena / Galilee Energy	Private	Outback - South	3800	2660	Credibly Proposed		450	750	750	710							

TELECOMMUNICATIONS

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
National Broadband Network - Qld component	NBN Co.	Public	Multi-Region	9352	6878	Under Construction	459	290	266	60	67							

OIL & GAS

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Queensland Curtis LNG Upstream Field Development (Sustaining)	QGC & Shell	Private	Fitzroy	1375	1250	Under Construction	150	150										
Gladstone LNG Upstream Field Development (Sustaining)	Santos & Petronas	Private	Fitzroy	990	900	Under Construction	100	100										
Australia Pacific LNG Upstream Field Development (Sustaining)	Origin / Conoco Phillips	Private	Darling Downs - Maranoa	1375	1250	Under Construction	150	150										
Arrow - Upstream Field Development (Sustaining)	Arrow / Shell	Private	Darling Downs - Maranoa	715	650	Under Construction	150	150	200	150								
Western Surat Gas Project	Senex	Private	Darling Downs - Maranoa	1500	1200	Under Construction	186	186	186	186	186	186						
GLNG Roma East project	Santos & Petronas	Private	Darling Downs - Maranoa	750	375	Under Construction	35	35										
Australia Pacific LNG Salt Handling Facility	Origin / ConocoPhillips	Private	Outback - North	200	160	Unlikely				40	80	40						
Curtis LNG Project (Salt Concentrator)	QGC & BG Group	Private	Outback - North	200	150	Unlikely				30	45	45	30					
Ironbark Gas Facility (Domestic Supply)	Origin	Private	Darling Downs - Maranoa	300	240	Unlikely		140	100									
Surat Gas Expansion Projects	Arrow Energy	Private	Darling Downs - Maranoa	1800	1500	Under Construction	300	300	300	300								

COAL

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Eagle Downs Coking Coal	South 32	Private	Mackay - Isaac	1250	600	Prospective				158	228	215						
Maryborough (Colton)	Northern Energy (Owned By New Hope)	Private	Wide Bay	300	180	Prospective		66	114									
New Acland Stage 3 Expansion	New Hope Corporation	Private	Darling Downs - Maranoa	556	334	Prospective			95	143	95							
Peak Downs Expansion	BHP Billiton / Mitsubishi Alliance (BMA)	Private	Mackay - Isaac	460	345	Unlikely		80	160	105								
South Walker Creek	BHP Billiton / Mitsubishi Alliance (BMA)	Private	Mackay - Isaac	150	100	Prospective		24	40	36								
Grosvenor Underground Stage 2	Anglo Coal	Private	Mackay - Isaac	500	350	Credibly Proposed		70	90	105	85							
Central Queensland Coal Project (Styx)	Waratah Coal / Queensland Nickel	Private	Fitzroy	300	270	Credibly Proposed		50	220									

COAL

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Middlemount Coking Coal Mine Stage 2	Peabody / Yancoal	Private	Mackay - Isaac	325	284	Prospective		100	184									
Hail Creek Extension - Underground	Glencore	Private	Mackay - Isaac	1100	660	Prospective		150	180	180	150							
Rolleston Expansion	Xstrata/Glencore	Private	Fitzroy	400	280	Prospective		70	140	70								
Yarrabee	Yancoal	Private	Fitzroy	260	150	Unlikely							75	75				
Boundary Hill South Mine Extension	Anglo Coal	Private	Fitzroy	100	70	Unlikely							18	35	18			
Aquila	Anglo Coal / Mitsui	Private	Mackay - Isaac	240	228	Under Construction	91	46										
Foxleigh Plains Project	Anglo / CAML / Nippon	Private	Mackay - Isaac	200	140	Unlikely		70	70									
Eaglefield Coal Mine Expansion	Peabody	Private	Mackay - Isaac	1500	1200	Unlikely			250	350	320	280						
Monto Coal Mine Further Stages	Peabody / China Huaneng Group	Private	Wide Bay	265	159	Unlikely		60	99									
Drake Coal	QCoal	Private	Mackay - Isaac	900	690	Unlikely			130	240	240	80						
Olive Downs	Pembroke Resources	Private	Mackay - Isaac	1000	800	Under Construction	400	200	200									
Baralaba South Open Cut	The Mount Ramsay Coal Company (Liberty Mutual)	Private	Outback - North	200	160	Credibly Proposed		80	80									
Cameby Downs Expansion	Yancoal	Private	Darling Downs - Maranoa	250	225	Under Construction	100	50										
Millennium Expansion	Stanmore Coal / M Resources	Private	Mackay - Isaac	400	320	Credibly Proposed		60	100	100	60							
Minyango Coal Project Stage 1	QCoal	Private	Outback - North	750	600	Under Construction	120	240	240									
Oaky Creek Longwall Stage 2	Glencore Xstrata, Sumisho, Itochu, ICRA	Private	Outback - North	650	455	Unlikely		150	230	75								
Saraji East	BHP Billiton / Mitsubishi Alliance (BMA)	Private	Mackay - Isaac	2400	1800	Credibly Proposed		360	990	450								
Winchester South	Whitehaven Coal	Private	Mackay - Isaac	1000	900	Prospective			350	450	100							
Moranbah North	Anglo	Private	Mackay - Isaac	500	400	Credibly Proposed		100	150	150								
Valeria Met Coal Mine	Glencore	Private	Fitzroy	1500	975	Prospective			300	525	150							
Gemini Project	Magnetic South	Private	Mackay - Isaac	250	200	Credibly Proposed				67	89	44						

OTHER MINERALS & HEAVY INDUSTRY

Product Description	Sponsor	Funding Source	Region	Total Value ($m)	Eng Value ($m)	Status	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33
Mt Elliott	Chinova	Private	Outback - North	95	48	Unlikely		48										
Merlin Molybdenum-Rhenium Phase 2	Chinova	Private	Outback - North	345	250	Unlikely			100	100	50							
Cannington Expansion	BHP Billiton	Private	Outback - North	400	120	Under Construction	30	60	30									
Cloncurry Copper Project (Roseby Copper / Little Eva / Eva)	CMMC	Private	Outback - North	320	96	Prospective		50	46									
Red Dome Mungana	Consolidated Tin Mines Limited	Private	Cairns	330	215	Credibly Proposed		65	85	65								
Charters Towers	Citigold Corporation	Private	Townsville	246	135	Prospective		35	80	20								
SCONI Scandium Project (Phase 1)	Australian Mines	Private	Townsville	1014	304	Credibly Proposed		94	140	70								
Paradise Phosphate South project	Phosphate International	Private	Outback - North	250	188	Announced				47	94	47						
Mt Dromedary - Graphite Project	Novonix	Private	Outback - North	100	80	Unlikely				40	40							
Gladstone Energy and Ammonia Project	Australian Future Energy	Private	Fitzroy	1000	600	Credibly Proposed		200	200	200								
Agripower Amorphous Silica - Fertiliser Processing Plant	Agripower Australia Ltd	Private	Townsville	663	500	Credibly Proposed		150	200	150								
Agripower Amorphous Silica - Stage 2 Development	Agripower Australia Ltd	Private	Townsville	2000	1600	Credibly Proposed				400	800	400						
St Elmo Vanadium Project	Multicom Resources	Private	Outback - North	470	329	Under Construction	29	200	100									
Central Queensland Hydrogen project (3GW)	Stanwell/Iwatani	Private	Fitzroy	2000	1500	Credibly Proposed							250	500	500	250		
Townsville Hydrogen Facility (300MW)	Origin/Kawasaki Heavy Industries	Private	Townsville	1000	1000	Credibly Proposed						167	333	333	167			
Alpha HPA Precursor Production Facility	Alpha HPA	Private	Fitzroy	308	231	Under Construction	150	81										
H2 - HubTM Gladstone Green Hydrogen and Ammonia Production Facility	Hydrogen Utility (H2U)	Private	Fitzroy	4700	2585	Credibly Proposed			800	1300	485							
Hydrogen-Equipment Manufacturing Facility - Stage 1	Fortescue	Private	Fitzroy	115	80.5	Under Construction	13	40	27									
Aldoga Renewable Hydrogen Facility - Stage 1	Stanwell/Iwatani	Private	Fitzroy	500	350	Announced			50	200	100							
Hydrogen-Equipment Manufacturing Facility - Stage 2	Fortescue	Private	Fitzroy	885	619.5	Prospective								103	310	207		
Eva Copper Project	Copper Mountain Mining Corporation	Private	Outback - North	836.4	501.8	Prospective		102	200	200								


BMD
BMD

About Construction Skills Queensland

Construction Skills Queensland partners with major projects to develop a ready supply of skilled workers for every stage of these high impact projects.

CSQ helps industry understand future workforce requirements and supports **targeted workforce plans** that provide security and sustainability to project budgets and timeframes.

CSQ respects that each region and every project is unique and, therefore, encourages **local training solutions** that are tailored for individual project demands.

We provide the most **up-to-date thinking** on construction skills and training, underpinned by research and analysis on the drivers that will impact current and future workforce requirements.

This **empowers industry** with a line of sight to the future and the ability to stay one step ahead of potential challenges.

CSQ works alongside project teams to:

- collaborate on workforce plans
- identify any potential skills gaps for projects and provide meaningful solutions
- identify project-specific training and funding solutions
- provide guidance and support where needed around the Queensland Government Building and Construction Training Policy (Training Policy), and other Government procurement policies targeting social inclusion and local content.

CSQ's Workforce Planning capability provides free-of-charge support to industry to:

Save time and cost

Meet contract requirements including navigating Qld Procurement Policy

Navigate industry licensing and the VET apprenticeships/traineeship system

Establish strategies to attract, retain and develop your workforce

Identify funding opportunities and registered training organisations (RTOs)

Connect to a network of industry stakeholders

If you would like to explore how CSQ may assist your project, sector or region please contact us

1800 798 488 | info@csq.org.au | csq.org.au

STRONGER FUTURES IN CONSTRUCTION

CSQ

CSQ monitors key industry trends and actively tracks Queensland's pipeline of major projects to inform and guide the development of workforce planning and training solutions for Queensland's building and construction industry.

BMD

BMD Constructions is a wholly owned subsidiary of the BMD Group, and provides civil and industrial construction services to public and private sector organisations throughout Australia. Established in 1979, BMD Constructions strives to be deliberately different in its approach to business with every project being regarded as an opportunity to build long-term relationships of mutual benefit.

Townsville Enterprise

For over 25 years, Townsville Enterprise has been a key driver in attracting major investment to the region. It ensures that Townsville, Magnetic Island, Palm Island, the Burdekin Shire, the Hinchinbrook Shire and the Charters Towers region benefit from investment and economic prosperity, tourism opportunities and the business events market.

Toowoomba and Surat Basin Enterprise

TSBE is an independent, member-driven economic development organisation actively linking our business community to opportunities across the Toowoomba, Western Downs, Maranoa and surrounding areas.

Bennett + Bennett

Established in 1968 on the Gold Coast, we have been privileged to play a significant role in key projects and areas of development legislation that have helped shape South East Queensland.

Our success and longevity within the industry comes from our experience, and ability to work with an outstanding array of clients who continue to put their trust in us. Through collaboration, ongoing improvement, upskilling, and technology investment we are able to adapt our services to best meet their changing needs, whilst ensuring we remain current in an evolving market.

QUEENSLAND MAJOR CONTRACTORS ASSOCIATION

For all the details, see the full Report,
available online at www.qmca.com.au/2022qmppr

www.qmca.com.au