

# State Infrastructure Plan

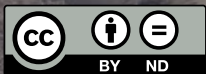
Part B: Program – 2019 update



Queensland  
Government



The Department of State Development, Manufacturing, Infrastructure and Planning improves productivity and quality of life in Queensland by leading economic strategy, industry development, infrastructure and planning, for the benefit of all.



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# Foreword

The Palaszczuk Government's four-year \$49.5 billion infrastructure investment is creating more development, jobs and growth that will pay economic, social and environmental dividends now and for future generations of Queenslanders.

From enabling our hydrogen and space industry capabilities, to supporting regional and remote communities to flourish, our investment will support 40,500 jobs in 2019–20 alone and deliver the vital infrastructure and services needed to manage growth.

Since being elected in 2015, the Palaszczuk Government has focused keenly on reducing capital program under-expenditure so that Queenslanders know the projects promised are being delivered.

Our careful management will see us achieving a near-zero per cent under-spend for 2018–19, the best performance in 10 years.

This investment translates into new schools, better hospitals and regional health facilities, new technologies, transformative transport and communication projects, better regional roads and other catalytic projects needed to keep Queensland growing in a sustainable way.

Our strong infrastructure program also underpins and unlocks private sector investment in the state.

The March 2019 Deloitte Access Economics Investment Monitor records Queensland's \$146.8 billion infrastructure pipeline as the second largest in Australia. The report also found that state and local government investment in infrastructure is a key driver of Australia's total economic growth – and we're certainly pulling our weight here.

We are continuing to work closely with the private sector to maintain this investment momentum and to ensure a highly skilled and adaptable workforce is ready to deliver this significant infrastructure pipeline.

Queensland's overseas goods exports hit a new 12-monthly record of \$85.8 billion to May 2019 – up more than 16 per cent on the same time last year. Minerals exports increased \$1.2 billion to \$10.6 billion, driven by rises in the value of aluminum, zinc, lead and copper. Queensland has attracted more than \$20 billion worth of new investment in natural resources in the past four years and has 44,000 square kilometres of land earmarked for resource exploration.

Our reputation as an energy powerhouse through gas, solar and wind is expanding as we lead a global revolution in renewably produced hydrogen. This will make the most of our existing industrial capabilities and will support many new skilled jobs, especially across regional Queensland.

We're streamlining planning approvals to help business cases and project opportunities transition to reality faster.

New state development and priority development areas have been declared by the Coordinator-General and Economic Development Queensland, respectively, to facilitate large-scale and heavy industries growth, and the accelerated delivery of community developments.

We're meeting the needs of rapidly growing regions and those with smaller populations. A \$1.2 billion infrastructure agreement has been executed to support the communities at Greater Flagstone and Yarrabilba. Thursday Island will benefit from a new helipad, while our state's south-west now has much-needed telecommunications towers to improve connectivity.

Our new Strategy for Social Infrastructure is setting our long-term direction that focuses on the planning, design, location and use of our schools, hospitals and other vital facilities to provide more efficient and conveniently located services.

We're propelling and diversifying the economy through priority sectors such as advanced manufacturing, defence industries, aerospace, hydrogen, biofutures and other renewable energy sources, and recycling and resource recovery.

Our defence and manufacturing capabilities are recognised worldwide following Rheinmetall's decision to base its Military Vehicle Centre of Excellence and its Australia-New Zealand headquarters in Queensland, and we've secured more defence contracts that are benefitting our local heavy vehicle manufacturers and supply chains, and growing jobs.

Our regional towns and cities are the engine rooms of our state's economy, and when our regions do well, so does all of Queensland. Regional Queensland will benefit from 60 per cent of this year's infrastructure budget being invested outside Greater Brisbane where it will support more than 25,000 jobs.

Infrastructure that sustains a safe, secure and accessible water supply for agriculture, business, industry and everyday use remains a high priority, as evidenced through support for Townsville's Houghton Pipeline Duplication project.

This 2019 update of the State Infrastructure Plan (SIP) Part B: Program contains all these projects and achievements. It includes maps and case studies that reflect our infrastructure investment priorities across regions, industry and community – creating the right conditions to unlock private investment, economic growth, jobs and prosperity now and into the future.



**The Honourable Cameron Dick MP**

Minister for State Development,  
Manufacturing, Infrastructure and Planning

Cover: North Queensland Stadium  
Inside cover: Houghton Pipeline construction

# Queensland infrastructure project highlights



## Selected public and private projects

### Queensland Government

1. Stadiums Queensland – Queensland State Netball Centre
2. Cross River Rail
3. Southport Spit Master Plan
4. Somerset Dam Hydro-Electric Plant
5. Roma Street busway
6. Roma Hospital redevelopment
7. North Queensland Stadium
8. Smithfield Bypass Project
9. Calliope High School
10. Tamborine Mountain High School

11. Stanwell Power Station upgrade
12. Bruce Highway – Caloundra Road to Sunshine Motorway
13. Mon Repos Turtle Centre redevelopment
14. Warrego Highway – Dalby to Miles
15. Peak Downs Highway – Clermont to Nebo
16. Lake Macdonald Dam Safety Upgrade
17. Blackall Hospital redevelopment
18. Landsborough Highway – Longreach to Winton

### Local government

19. Haughton Pipeline Duplication Project
  20. International broadband submarine cable
  21. Yamala Enterprise Area
  22. Brisbane Metro
  23. Kingsford Smith Drive upgrade
- ### Coordinator-General facilitated projects
24. Gladstone energy and ammonia project
  25. Guthalungra Aquaculture Project
  26. Olive Downs project
  27. Cairns Shipping Development Project
  28. Isaac Plains expansion project

### Building our Regions

29. Emerald Airport runway
30. Rockhampton Art Gallery
31. Airlie Beach Foreshore Revitalisation
32. Cloncurry Saleyards Major Upgrade
33. Kowanyama Transport Hub – Airport Terminal
34. Wellcamp Water Reservoir Project
35. Bundaberg Region Multi-use Sports and Community Centre
36. Agnes Water Waste Transfer Station
37. St George Airport Infrastructure Upgrade

### Private sector

38. Wilson Island rejuvenation
39. Military Vehicle Centre of Excellence (MILVEHCOE)
40. Sunshine Coast Airport expansion
41. Brisbane International Cruise Terminal
42. Alpha Coal Project
43. Amrun Bauxite mine
44. Brisbane Airport second runway
45. Coopers Gap Wind Farm
46. Lilyvale Solar Farm
47. Sun Metals zinc refinery Solar Farm
48. Rheinmetall Nioa Munitions shell forging plant



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# 2018–19 achievements



**437**  
construction projects



**3**  
new priority  
development areas



**\$1.1 B**  
Gateway North  
Upgrade completed



**>1350**

local government projects in regional  
areas through Works for Queensland



**8**  
new schools  
in 2020



**194 M**  
total number of passenger  
transport trips across QLD



**3.7 M+**  
people attended  
major stadiums



**2620 MW**  
renewable energy  
projects confirmed



**20**  
major export  
ports



**\$71.7 M**  
Warrego Highway Upgrade:  
Toowoomba to Oakey (Stage 2  
– Charlton to Kingsthorpe)



**620**  
new social  
housing dwellings



**520,000**  
residential rooftops  
with solar PV



**66**  
hospital and health  
infrastructure projects  
delivered



# 2019 SIP at a glance

**600**

new social housing  
commencements



**\$15 M**

contribution to  
Rockhampton Art Gallery



**\$26.9 M**

for public safety regional  
radio communications



**\$178 M**

over three years  
for youth justice  
infrastructure



**\$23 B**

for Queensland Transport  
and Roads Investment  
Program over next four years



**\$28.7 M**

for Indigenous Councils  
Critical Infrastructure  
Program in 2019–20



**\$957 M**

expansion of Caboolture,  
Logan and Ipswich hospitals



**>44,000 KM<sup>2</sup>**

of land earmarked for  
resource exploration

**\$215 M**

for Townsville's  
Haughton Pipeline



**\$105.8 M**

for training infrastructure  
revitalisation



**\$12.9 B**

infrastructure  
investment in  
2019–20\*

**40%**  
in Greater  
Brisbane\*\*

**60%**  
outside  
Greater Brisbane

**\$9.2 B**

for economic  
infrastructure

**\$3.7 B**

for social  
infrastructure



**40,500**

jobs supported

**\$49.5 B**

over the next  
four years

**↑ \$3.8 B**

## FUNDING BY INFRASTRUCTURE CLASS 2019–20



**\$846 M**

Cross-government



**\$5.6 B**

Transport



**\$2.2 B**

Energy



**\$400 M**

Water



**\$686 M**

Health\*\*\*



**\$1.5 B**

Education  
and training



**\$128 M**

Digital



**\$538 M**

Justice and  
public safety



**\$530 M**

Arts, culture  
and recreation



**\$482 M**

Social housing

Note: Figures may not add up due to rounding.

\* This figure is from the 2019–20 Budget Paper 3. \*\*Includes Brisbane, Logan and Ipswich SA4s. \*\*\*Does not include ICT projects.



## State Infrastructure Plan

**The State Infrastructure Plan (SIP) provides a framework for planning and prioritising infrastructure investment and delivery to support growth, employment and economic development.**

The *SIP Part A: Strategy 2016* sets clear priorities and promotes a coordinated and integrated approach to the development of infrastructure in Queensland. The state has experienced significant changes since it was released, including our population growing to more than five million, changing regional economies, and advanced technologies significantly altering infrastructure and service delivery.

In response, planning has started on an updated strategy that embraces technological advancements and prioritises infrastructure to grow Queensland's economy. New ideas and challenges will be explored through consultation with industry and the community, to ensure the strategy provides a clear vision for the state's future infrastructure.

The *SIP Part B: Program – 2019 update* details the infrastructure investment strategy and delivery program for the next four years, to provide the private sector and all levels of government with clear direction and confidence to invest in Queensland.

Planning, prioritising and providing infrastructure supports economic development, increased productivity and the creation of communities in which people want to live.



Barron Gorge Hydro

As Queensland transitions to a more innovative, diverse and productive economy, it is vital that our infrastructure maximises these opportunities and provides long-term, sustainable benefits to communities. At the same time, infrastructure investment needs to be balanced and provide immediate support for jobs and services.

The government has a clear plan to advance Queensland – both now and into the future. The government's priorities for the community are to:

- ▶ create jobs in a strong economy
- ▶ give all children a great start in life
- ▶ keep Queenslanders healthy
- ▶ keep communities safe
- ▶ protect the Great Barrier Reef
- ▶ be a responsive government.

These priorities underpin the Queensland Government's four-year, \$49.5 billion infrastructure plan, ensuring the right infrastructure is delivered in the right place and at the right time to meet the demands of our fast-growing state.

### 2019–20 Queensland Government infrastructure investment

In 2019–20, \$12.9 billion has been allocated by the Queensland Government for expenditure on public infrastructure, supporting an estimated 40,500 jobs.

Importantly, about 60 per cent of the capital program and 25,500 of the jobs supported are outside the Greater Brisbane area.

Transformative transport projects will improve traffic flow and relieve congestion, enhance public transport services, and increase the productivity and efficiency of freight around the state.

Critical infrastructure that ensures current and future generations of Queenslanders have access to world-class health and education services will be provided through programs such as Enhancing Regional Hospitals and the Building Future Schools Fund.

The government will continue investing in regions to ensure all Queenslanders can access the frontline services they rely upon, and to ensure Queensland remains an attractive place to live and for business to invest.



## Infrastructure investment in Queensland

**A strong pipeline of public and private sector infrastructure projects is helping to sustain Queensland's economic growth.**

The March 2019 Deloitte Access Economics (DAE) Investment Monitor report shows Queensland has a \$146.8 billion major project infrastructure pipeline. The value of this pipeline is second only to NSW.

DAE captures capital expenditure of \$20 million or more across all levels of government and the private sector, but does not include programs of work or residential housing projects.<sup>1</sup>

The report demonstrates Queensland has a stable major project pipeline. About \$32.1 billion worth of projects are under construction or committed, while another \$114.6 billion are being planned across the public and private sectors. It comes as major investments such as the \$1.1 billion Gateway North Upgrade are completed during 2019.

The DAE report highlights there are about 30 private sector resource projects currently in the planning pipeline.

State and local government spending on infrastructure is rising and emerging as a key driver of Australia's economic growth. Approvals have been increasing sharply since early 2017 in the health sector, while there have been modest improvements in the education sector.

Transport projects currently account for about one-third of all Queensland activity and are largely led by the state government, with the Cross River Rail project now under construction. There are also approximately \$29 billion worth of public infrastructure works in the planning phase.

Queensland's renewable energy sector also continues to be a key driver of engineering and construction work. A total of 36 renewable energy projects are either committed or have recently become operational.

Construction is led by the \$380 million Mount Emerald Wind Farm and the \$240 million Lilyvale Solar Farm. Committed projects include the \$850 million Coopers Gap Wind Farm and \$240 million Yarranlea Solar Farm.

Queensland's LNG, metallurgical coal and minerals continue to be in demand around the world, driving private sector investment in resource development, generating jobs and wealth for state, particularly in the regions. In the past four years, Queensland attracted more than \$20 billion worth of new investment in resources and created more than 7000 jobs.

### 2019 Queensland Major Projects Pipeline Report

The Queensland Major Contractors Association and Infrastructure Association of Queensland's 2019 Queensland Major Projects Pipeline Report captures major economic infrastructure projects valued at more than \$50 million.

The report provides a catalyst for closer collaboration between government and the private sector, including asset owners, financiers and professional service providers.

The 2019 report identifies 194 projects with an engineering value of \$41.3 billion, an increase of \$1.4 billion since 2018. Public sector projects account for about 70 per cent of funded work, providing certainty to the engineering and construction sectors in the years ahead.

The report highlights that while there are several large projects nearing completion, 2021–22 is likely to be the strongest year of major project activity since 2014–15.

Consistent with the DAE report, rail, road and bridge projects will continue to provide a constant supply of opportunities for industry.

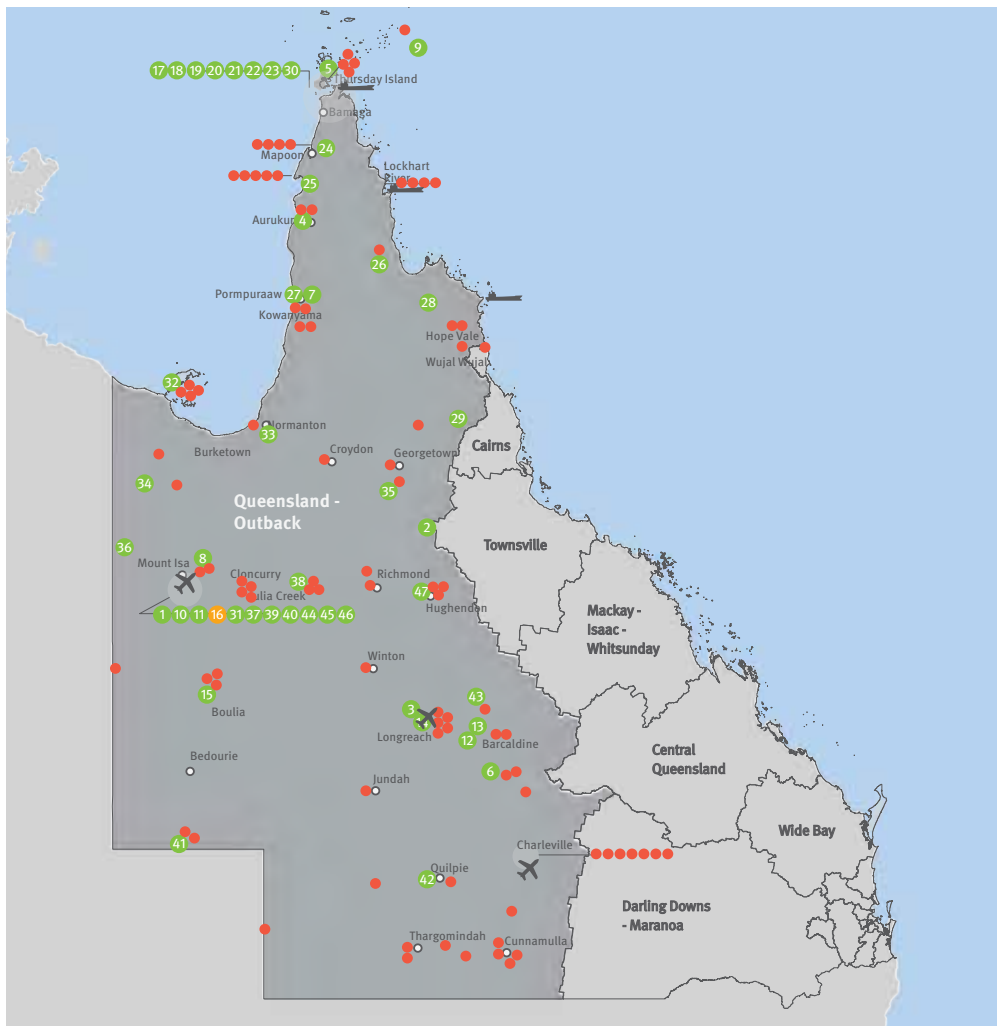
The Queensland Government is committed to developing a robust economy where investment in infrastructure is encouraged and supported. As part of this wider economic vision, the government continues to support traditional industries that underpin the state's prosperity. Emerging sectors such as advanced manufacturing, aerospace, defence industries and biofutures are also being targeted to help diversify the state's industry base and support jobs growth.

Many of these industries have a presence in regional areas. Planning now will ensure the necessary infrastructure to support them is in place when it is needed. Investing in essential regional infrastructure supports the ongoing growth of these communities and regions. Infrastructure investment directly generates significant employment during the construction phase and even more importantly, creates future jobs and investment prospects by expanding the capacity of local economies.

The following regional maps highlight a sample of significant projects supporting growth in Queensland.

<sup>1</sup>Queensland Government's infrastructure budget includes all capital expenditure, programs of work and grants to local governments across the state.

## Queensland Outback



**CURRENT POPULATION**  
2018  
**82,311**

**PROJECTED POPULATION**  
2036  
**81,138**

**PROJECTED GROWTH**  
2018 to 2036  
**-1%**



**TOP EMPLOYMENT INDUSTRIES**

**AGRICULTURE, FORESTRY AND FISHING**  
**6300**

**MINING**  
**5500**

**PUBLIC ADMINISTRATION AND SAFETY**  
**5500**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

### PROJECT HIGHLIGHTS

- |   |  |  |   |
|---|--|--|---|
| <ul style="list-style-type: none"> <li>1 Mt Isa Line Program</li> <li>2 Kennedy Developmental Road (Hann Highway), The Lynd – Hughenden, sealing</li> <li>3 Landsborough Highway (Longreach – Winton), Dingo Creek – Darr River, pavement strengthening and widening</li> <li>4 Government Employee Housing – Aurukun</li> <li>5 Torres Strait Seawalls Project</li> <li>6 Blackall Hospital redevelopment</li> <li>7 Pormpuraaw replacement station and watchhouse</li> <li>8 Power Reliability Hilton-Lake Julius</li> <li>9 Mer (Murray) Island Primary Health Care Centre and accommodation replacement</li> <li>10 Mount Isa rural fire and SES facility upgrade</li> <li>11 Mica Creek Power Station – Minor Works</li> <li>12 Barcaldine Substation upgrade</li> </ul> | <ul style="list-style-type: none"> <li>13 Australian Workers Heritage Centre</li> <li>14 Longreach replacement auxiliary fire and rescue station</li> <li>15 Boulia Primary Health Care Centre</li> <li>16 Copperstring overhead electricity transmission line</li> <li>17 Torres Strait Digital Expansion Project</li> <li>18 Torres Strait Islands seawalls and coastal inundation mitigation upgrades</li> <li>19 Thursday Island Splash Park</li> <li>20 Torres Shire water treatment infrastructure upgrade</li> <li>21 Thursday Island Community Centre</li> <li>22 Thursday Island Hospital and Primary Health Care Centre</li> <li>23 Northern Peninsula Area water supply system</li> <li>24 Indigenous Land and Sea Ranger Program (Mapoon)</li> </ul> | <ul style="list-style-type: none"> <li>25 Weipa new Queensland Fire and Emergency Services Centre</li> <li>26 Peninsula Developmental Road (Coan to Weipa)</li> <li>27 Pormpuraaw police facility</li> <li>28 Rinyirru (Lakefield) National Park (Cape York Peninsula Aboriginal Land) – Catfish Waterhole day use area</li> <li>29 Burke Developmental Road (Normanton to Dimbulah)</li> <li>30 Cape York Peninsula joint Management Program</li> <li>31 Remote Indigenous housing</li> <li>32 Mornington Island State School</li> <li>33 Indigenous Land and Sea Ranger Program (Normanton)</li> <li>34 Adels Grove Conference Room and Camp Kitchen</li> <li>35 Cobbold Gorge Glass Bridge</li> <li>36 Gregory Downs-Camoowal Road</li> </ul> | <ul style="list-style-type: none"> <li>37 Moondarra to Mount Isa terminal reservoir pipeline upgrade</li> <li>38 Julia Creek Caravan park and artesian bath and landscaping</li> <li>39 Barkly Highway – Cloncurry to Mount Isa</li> <li>40 Riversleigh Fossil Centre revitalisation</li> <li>41 Birdsville Court House Hologram project</li> <li>42 Quilpie Rugby League</li> <li>43 Freedom Parks in Aramac, Jericho and Muttaborra</li> <li>44 Indigenous Land and Sea Ranger Program (Mount Isa)</li> <li>45 Mount Isa Transitional Hub</li> <li>46 Public Library grants in outback Queensland</li> <li>47 Hughenden and Richmond hospitals rural staff accommodation</li> </ul> |
|---|--|--|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.



## Mount Isa rail line recovery

The Mount Isa rail line sustained unprecedented damage when monsoonal floods struck North West Queensland in early 2019.

Queensland Rail established a 400-person taskforce to carry out the works required to fix more than 200 damaged sites along the track, ensuring the critical freight corridor between Mount Isa and Townsville was repaired as quickly as possible.

During the space of 12 weeks and under extreme heat conditions, workers repaired severe erosion and washouts, inspected 71 bridges, repaired 38 abutments, replaced more than 47 kilometres of rail and 120,000 tonnes of ballast.

The flood recovery effort resulted in upgrades to sections of the rail line that were previously under speed restrictions. This reduced rail freight travel times between Mount Isa and Townsville by up to 50 minutes, delivering about 29 hours per week in productivity savings.

Temporary intermodal facilities were also established at Hughenden and Richmond to assist with freight movements while repairs were underway.

The recovery effort cost \$52 million, of which approximately \$33 million went straight back into regional Queensland economies through the sourcing of materials and contractors from Rockhampton, Townsville, Ingham, Cloncurry, Richmond and Mount Isa.

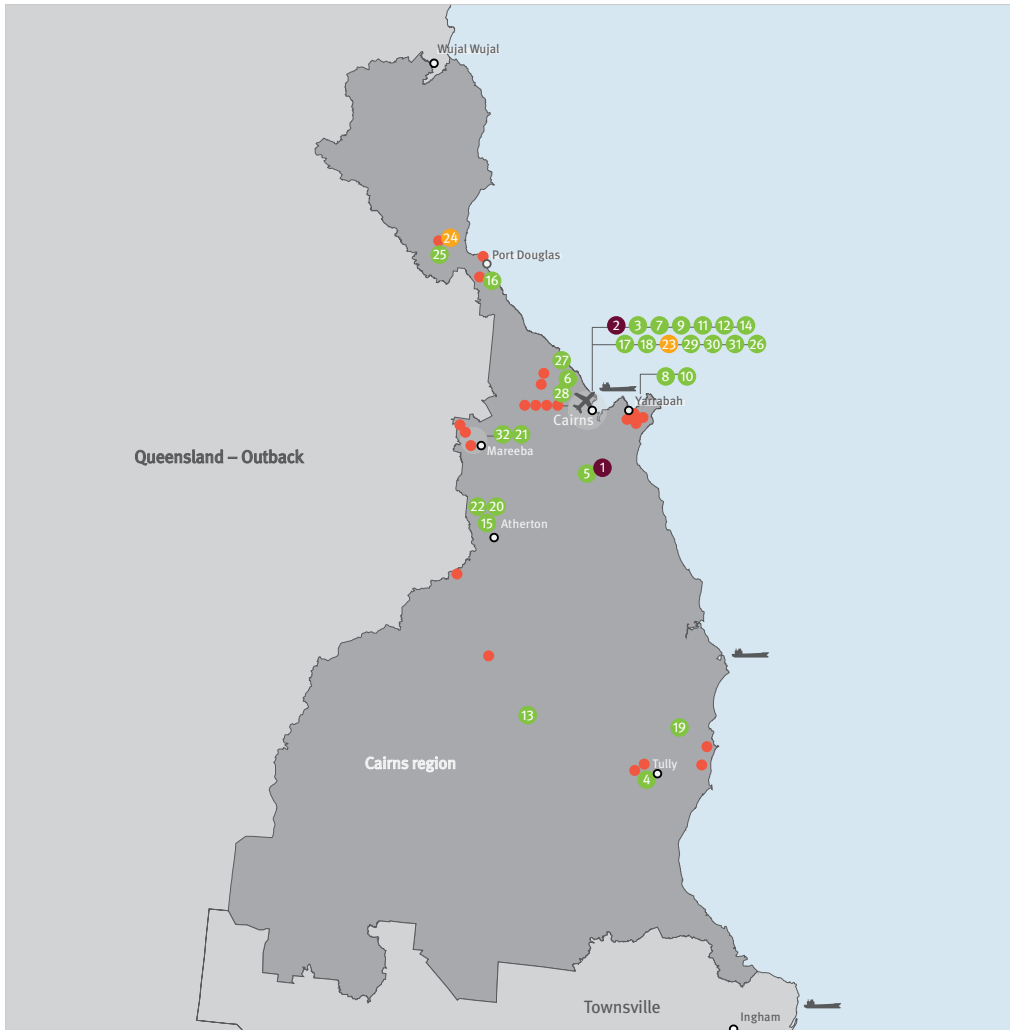
Though the rail line is fitted with a range of flood mitigating infrastructure, the monsoonal weather far exceeded any previous flooding event. Now, Queensland Rail is undertaking a new hydrological modelling of the line to identify areas that could benefit from additional flood mitigation solutions.



Mount Isa rail line recovery works

# Overview

## Cairns region



### CURRENT POPULATION

2018  
**252,037**

### PROJECTED POPULATION

2036  
**320,544**

### PROJECTED GROWTH

2018 to 2036  
**27%**



### TOP EMPLOYMENT INDUSTRIES

#### RETAIL TRADE

**16,500**

#### HEALTH CARE AND SOCIAL ASSISTANCE

**14,200**

#### ACCOMMODATION AND FOOD SERVICES

**12,600**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

## PROJECT HIGHLIGHTS

- |  |   |  |   |
|--|---|--|---|
| <ul style="list-style-type: none"> <li>1 Cairns South State Development Area</li> <li>2 Tropical North State Development Area</li> <li>3 Panama Disease Tropical Race 4 Program</li> <li>4 Tully Hospital upgrades</li> <li>5 Bruce Highway, Cairns Southern Access Corridor</li> <li>6 Smithfield Bypass</li> <li>7 Cairns Hospital Mental Health Unit</li> <li>8 Yarrabah new dwelling Construction</li> <li>9 Centre of Contemporary Arts Cairns</li> </ul> | <ul style="list-style-type: none"> <li>10 Yarrabah – dwelling construction</li> <li>11 Trinity Bay State High School</li> <li>12 Cairns Regional Industrial Estate</li> <li>13 Kareeya Power Station minor works</li> <li>14 Malanda Swimming Club</li> <li>15 Atherton police facility upgrade</li> <li>16 Mowbray North Wangetti Trail Capital Grant</li> <li>17 Cairns Ambulance Station and Operations Centre redevelopment</li> <li>18 Cairns – Bunda Street energy upgrade</li> </ul> | <ul style="list-style-type: none"> <li>19 El Arish replacement auxiliary station</li> <li>20 Atherton Community Centre</li> <li>21 Mareeba Efficiency Improvement</li> <li>22 Atherton Hospital redevelopment</li> <li>23 Cairns Airport Terminal 2 expansion</li> <li>24 Mossman Mill Bio-refinery</li> <li>25 Mossman Hospital upgrades</li> <li>26 Cairns Southern Corridor Health Precinct</li> <li>27 Tropical North Learning Academy – Trinity Beach State School</li> </ul> | <ul style="list-style-type: none"> <li>28 Cairns Western Arterial Road</li> <li>29 Redlynch State College</li> <li>30 Cairns State High School</li> <li>31 Good Money Store – Cairns</li> <li>32 Mareeba Hospital new CT scanner</li> </ul> |
|--|---|--|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.



## World-class entertainment hub for the tropical north

Cairns is a renowned premier tourist destination and the gateway to the Great Barrier Reef. More than two million domestic and international visitors spend time in the city and its surrounds every year. The Queensland Government is committed to facilitating further economic growth through tourism and has announced plans for a Tropical North Global Tourism Hub to reinvigorate the Cairns waterfront.

The government is partnering with Ports North to create a world-class entertainment and recreation precinct within the private enterprise's Cityport development area. Cityport is an established waterfront urban revitalisation project.

Its strategic location, scale and redevelopment capacity will transform the Cairns CBD. Requests for detailed proposals were issued to Hard Rock International, Reef Casino Joint Venture and Destination Cairns Consortium. The successful proposal will be announced in early 2020.

Ports North is dredging the Trinity Inlet shipping channel and upgrading the wharf, with works due to be complete in 2020.

The project will widen and deepen the Port of Cairns' navigation channel to allow larger cruise ships to berth at the Cairns Cruise Liner Terminal. There will be improved access for bulk cargo ships and larger navy vessels, as well as increased resilience for the port during extreme weather.

The government has committed \$176 million to the expansion and refurbishment of the Cairns Convention Centre.

As well as catering for conventions and events, the expanded centre will have additional space for plenary sessions and support spaces. Works are due to commence in mid-2020.

The Tropical North Global Tourism Hub will link the cruise ship terminal, convention centre and CBD to a world-class leisure precinct that attracts more tourists, making Cairns a hub for international events.

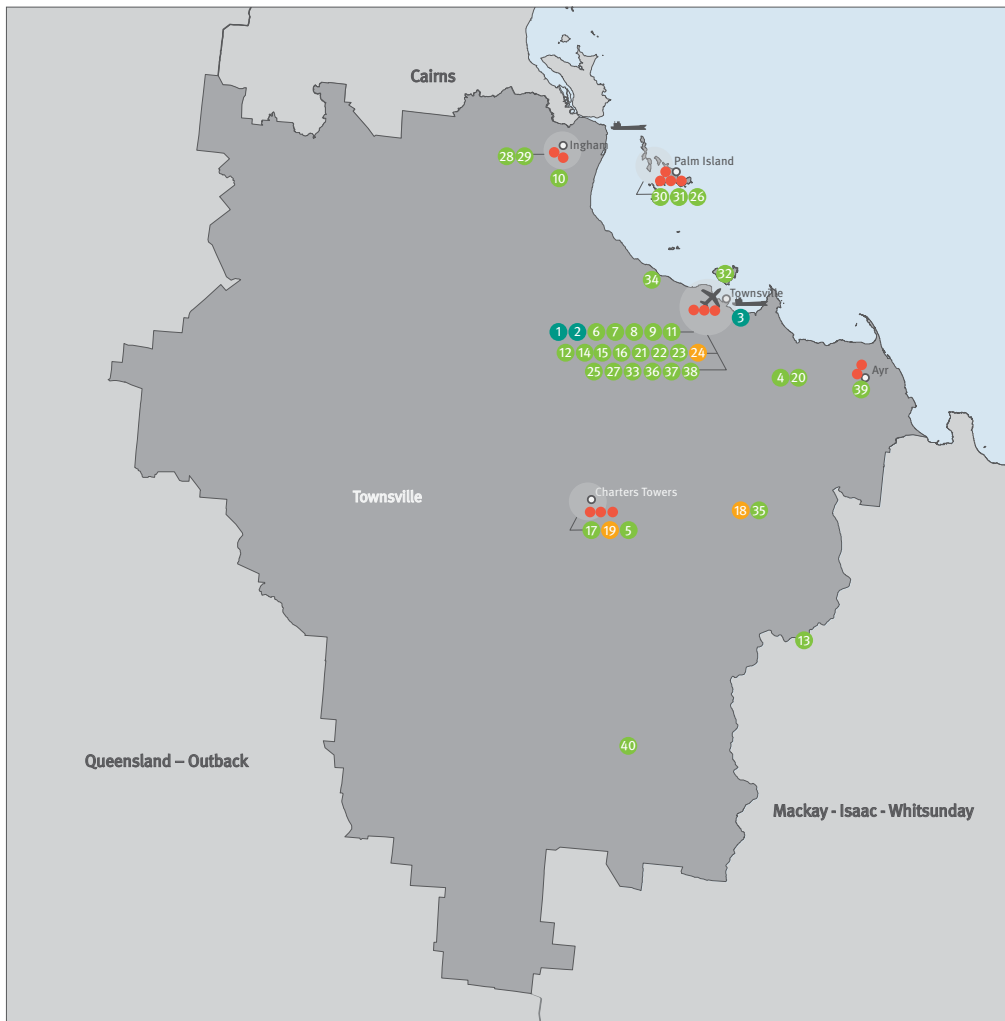
This will create sustainable job opportunities for residents and facilitate the ongoing economic development of the region.



*The Port of Cairns and Cairns Convention Centre are co-located alongside the proposed site for the Tropical North Global Tourism Hub*

# Overview

## Townsville region



**CURRENT POPULATION**  
2018  
**236,441**

**PROJECTED POPULATION**  
2036  
**304,494**

**PROJECTED GROWTH**  
2018 to 2036  
**29%**



**TOP EMPLOYMENT INDUSTRIES**

**HEALTH CARE AND SOCIAL ASSISTANCE**  
**19,700**

**EDUCATION AND TRAINING**  
**12,200**

**RETAIL TRADE**  
**11,000**

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- |  |   |   |   |
|--|---|---|---|
| <ul style="list-style-type: none"> <li><span style="color: green;">1</span> Townsville City Waterfront</li> <li><span style="color: green;">2</span> Oonoonba</li> <li><span style="color: green;">3</span> Townsville State Development Area</li> <li><span style="color: green;">4</span> Bruce Highway – Ayr to Townsville, Haughton River Floodplain, construct bridges and approaches</li> <li><span style="color: green;">5</span> Charters Towers replacement composite fire and rescue station</li> <li><span style="color: green;">6</span> North Queensland Stadium</li> <li><span style="color: green;">7</span> Haughton Pipeline Duplication (Stage 1)</li> <li><span style="color: green;">8</span> Channel Capacity Upgrade</li> <li><span style="color: green;">9</span> The Village Townsville</li> <li><span style="color: green;">10</span> Bruce Highway – Townsville to Ingham, Cattle Creek and Frances Creek Upgrade</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">11</span> North Shore State School</li> <li><span style="color: green;">12</span> Young Women's Facility Townsville</li> <li><span style="color: green;">13</span> Burdekin Falls Dam Improvement project</li> <li><span style="color: green;">14</span> Townsville Courthouse Upgrade</li> <li><span style="color: green;">15</span> Northern Beaches State High School</li> <li><span style="color: green;">16</span> Community Services – The Oasis Townsville</li> <li><span style="color: green;">17</span> Charters Towers Substation upgrade</li> <li><span style="color: orange;">18</span> Resolute Mine</li> <li><span style="color: orange;">19</span> Agripower fertiliser processing facility</li> <li><span style="color: green;">20</span> Bruce Highway, Haughton River Floodplain</li> <li><span style="color: green;">21</span> Townsville Hospital clinical services redevelopment</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">22</span> The Oasis Townsville community services facility</li> <li><span style="color: green;">23</span> Pimlico TAFE expansion</li> <li><span style="color: orange;">24</span> Copperstring overhead electricity transmission line</li> <li><span style="color: green;">25</span> Townsville Port Channel Capacity Upgrade</li> <li><span style="color: green;">26</span> Palm Island Primary Health Care Centre</li> <li><span style="color: green;">27</span> Burdell Primary School</li> <li><span style="color: green;">28</span> Victoria Plantation State School</li> <li><span style="color: green;">29</span> Ingham State High School</li> <li><span style="color: green;">30</span> Palm Island netball facilities</li> <li><span style="color: green;">31</span> Palm Island Splash Park</li> <li><span style="color: green;">32</span> Magnetic Island National Park – Forts Junction Hub upgrade</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">33</span> Townsville regional industrial estate</li> <li><span style="color: green;">34</span> Bruce Highway – Deep Creek to Bluewater Creek</li> <li><span style="color: green;">35</span> Ravenswood State School</li> <li><span style="color: green;">36</span> Port of Townsville</li> <li><span style="color: green;">37</span> Reid Park active transport bridge</li> <li><span style="color: green;">38</span> Kirwan Ambulance Station replacement</li> <li><span style="color: green;">39</span> Ayr nature-based playground (Plantation Park)</li> <li><span style="color: green;">40</span> Gregory Developmental Road (Charters Towers to The Lynd)</li> </ul> |
|--|---|---|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.



## Townsville City Deal

The Townsville City Deal, now in its third year is continuing to deliver transformative outcomes, new infrastructure investment and jobs for the people of Townsville. The Queensland Government, Australian Government and Townsville City Council, in partnership with local business and industry, have made significant progress on the 16 commitments under the deal, including:

- ▶ Sixty-two per cent of the construction of the \$290 million North Queensland Stadium is complete. Ninety-six per cent of work has been completed by local workers, with local businesses awarded 47 of the project's 61 trade packages (as of 18 June 2019)
- ▶ Construction is underway on stage one of the \$215 million Haughton Pipeline Duplication, one of the biggest job-creating projects being delivered in North Queensland. A business case for stage two has been provided to the Australian Government for consideration

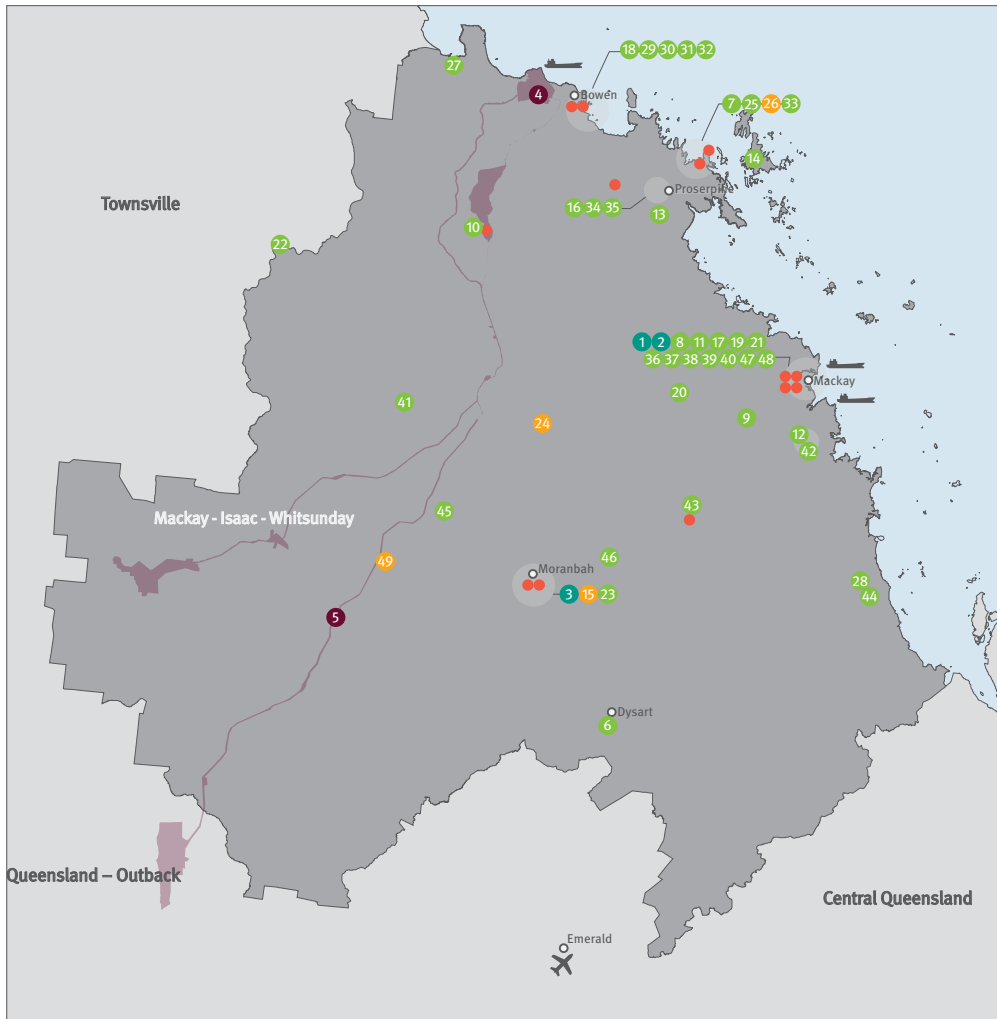
- ▶ Commencement of construction on the \$193 million Townsville Channel Capacity Upgrade
- ▶ \$10 million in Commonwealth and state funding towards the preservation of land for the Townsville Eastern Access Rail Corridor
- ▶ Acquisition of land to accelerate the Townsville State Development Area, and works to identify opportunities to attract further investment in Townsville's Southern Industrial Corridor through the establishment of the Townsville Industrial Development Board.

A formal review of the Townsville City Deal is due to commence in late 2019. It will assess how the deal has contributed to improving jobs, economic growth, local infrastructure, and delivering a revitalised urban centre, making Townsville a more vibrant and liveable city.



*Haughton Pipeline Duplication*

## Mackay – Isaac – Whitsunday



### CURRENT POPULATION

2018  
**172,523**

### PROJECTED POPULATION

2036  
**215,905**

### PROJECTED GROWTH

2018 to 2036  
**25%**



### TOP EMPLOYMENT INDUSTRIES

**MINING**  
**16,600**

**HEALTHCARE AND SOCIAL ASSISTANCE**  
**8600**

**RETAIL TRADE**  
**7100**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

### PROJECT HIGHLIGHTS

- |   |  |   |  |
|---|--|---|--|
| <ul style="list-style-type: none"> <li><span style="color: green;">●</span> 1 Andergrove</li> <li><span style="color: green;">●</span> 2 Mackay Waterfront</li> <li><span style="color: green;">●</span> 3 Moranbah</li> <li><span style="color: purple;">●</span> 4 Abbot Point State Development Area</li> <li><span style="color: purple;">●</span> 5 Galilee Basin State Development Area</li> <li><span style="color: green;">●</span> 6 Dysart Substation upgrade</li> <li><span style="color: green;">●</span> 7 Great Barrier Reef Resorts Rejuvenation Program</li> <li><span style="color: green;">●</span> 8 Mackay Ring Road, construct new two lane road</li> <li><span style="color: green;">●</span> 9 Peak Downs Highway – Eton Range Realignment</li> <li><span style="color: green;">●</span> 10 Collinsville to Proserpine Transmission Line Refit</li> <li><span style="color: green;">●</span> 11 Mackay Substation replacement</li> <li><span style="color: green;">●</span> 12 Sarina Hospital redevelopment</li> <li><span style="color: green;">●</span> 13 Whitsunday Coast Airport Terminal Expansion project</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> 14 Whitsunday Islands National Park</li> <li><span style="color: orange;">●</span> 15 Olive Downs metallurgical coal mine</li> <li><span style="color: green;">●</span> 16 Proserpine State High School</li> <li><span style="color: green;">●</span> 17 Mackay Bluewater Trail and Queens Park Revitalisation</li> <li><span style="color: green;">●</span> 18 Bowen police facility and watchhouse replacement</li> <li><span style="color: green;">●</span> 19 Mackay Adult Step Up Step Down Facility</li> <li><span style="color: green;">●</span> 20 Dam Safety Improvement Program – Teemurra Dam</li> <li><span style="color: green;">●</span> 21 New Mackay Tourism Visitor Information Centre</li> <li><span style="color: green;">●</span> 22 Burdekin Raising Feasibility Study</li> <li><span style="color: green;">●</span> 23 Moranbah State High School</li> <li><span style="color: orange;">●</span> 24 Byerwen coal Project</li> <li><span style="color: green;">●</span> 25 Cannonvale State School</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: orange;">●</span> 26 Guthalungra aquaculture project</li> <li><span style="color: green;">●</span> 27 Salisbury Plains Industrial Precinct</li> <li><span style="color: green;">●</span> 28 Bruce Highway – Townsville to Ingham, Townsville Ring Road</li> <li><span style="color: green;">●</span> 29 Bowen Neighbourhood Centre</li> <li><span style="color: green;">●</span> 30 Beautiful Bowen – Bowen townscape project</li> <li><span style="color: green;">●</span> 31 Bowen Beach Seawall</li> <li><span style="color: green;">●</span> 32 Beach restoration and mitigation</li> <li><span style="color: green;">●</span> 33 Whitsunday Sports Park</li> <li><span style="color: green;">●</span> 34 Proserpine Hospital Acute Primary Care Clinic refurbishment</li> <li><span style="color: green;">●</span> 35 Proserpine Entertainment Centre</li> <li><span style="color: green;">●</span> 36 Camilleri Street Park</li> <li><span style="color: green;">●</span> 37 Mackay Port improvements</li> <li><span style="color: green;">●</span> 38 Domestic and family violence prevention – Mackay High Risk Teams</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> 39 Mackay Hospital upgrades</li> <li><span style="color: green;">●</span> 40 Mackay Netball Association</li> <li><span style="color: green;">●</span> 41 Bowen developmental Road (Rockingham Creek to Mount Cooloom)</li> <li><span style="color: green;">●</span> 42 Sarina State High School</li> <li><span style="color: green;">●</span> 43 Nebo primary plant and secondary systems replacement</li> <li><span style="color: green;">●</span> 44 Bruce Highway (Townsville – Ingham), University Road noise barriers</li> <li><span style="color: green;">●</span> 45 Pasha Road (Moranbah)</li> <li><span style="color: green;">●</span> 46 Peak Downs Highway – Clermont to Nebo</li> <li><span style="color: green;">●</span> 47 Disaster recovery and reconstruction</li> <li><span style="color: green;">●</span> 48 Mackay Sugar Limited support package</li> <li><span style="color: orange;">●</span> 49 Carmichael coal mine</li> </ul> |
|---|--|---|--|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.



## Ecotourism and visitor infrastructure upgrades

The Queensland Government recognises the need to capture a greater share of high yielding eco-tourists. The economic potential of the nature-based tourism market is significant. Queensland competes with other states as well as international competitors, such as New Zealand and Canada. It currently lacks high-end ecotourism products that offer specialist adventure and nature-based experiences.

The Queensland Government is working to deliver ecotourism experiences at iconic Queensland destinations within or adjacent to national parks. Opportunities are being explored along the Wangetti Trail, Thorsborne Trail, Cooloola Great Walk and Whitsunday Island Trail.

The Wangetti Trail is the centrepiece of the Queensland Government's ecotourism program. Commencement of the \$5.7 million Mowbray River to Port Douglas section is already underway, with \$2.91 million to be spent in 2019–20. A further \$30.5 million is committed from 2021 over two years to transform it into a 94-kilometre dual usage walking and mountain biking track from Port Douglas to Palm Cove bringing total capital funding to \$36.2 million over four years.

Local and international visitors will be able to enjoy a five-night walking or a two-night mountain bike trail, which traverses the stunning coastal and hinterland scenery of the World Heritage-listed Wet Tropics of Queensland and Great Barrier Reef.

The trail has strong support from the tourism industry, local communities and the Yirrganydji and the Eastern Kuku Yalanji people.

The trail will feature public campsites and privately-operated luxury eco-accommodation that meets national park land-use requirements. Revenue will be returned to the park and the traditional owners, to better maintain and protect Queensland's natural assets.

The government is also enhancing ecotourism opportunities through the restoration of Whitsunday Islands National Park visitor infrastructure after it was damaged by Severe Tropical Cyclone Debbie.

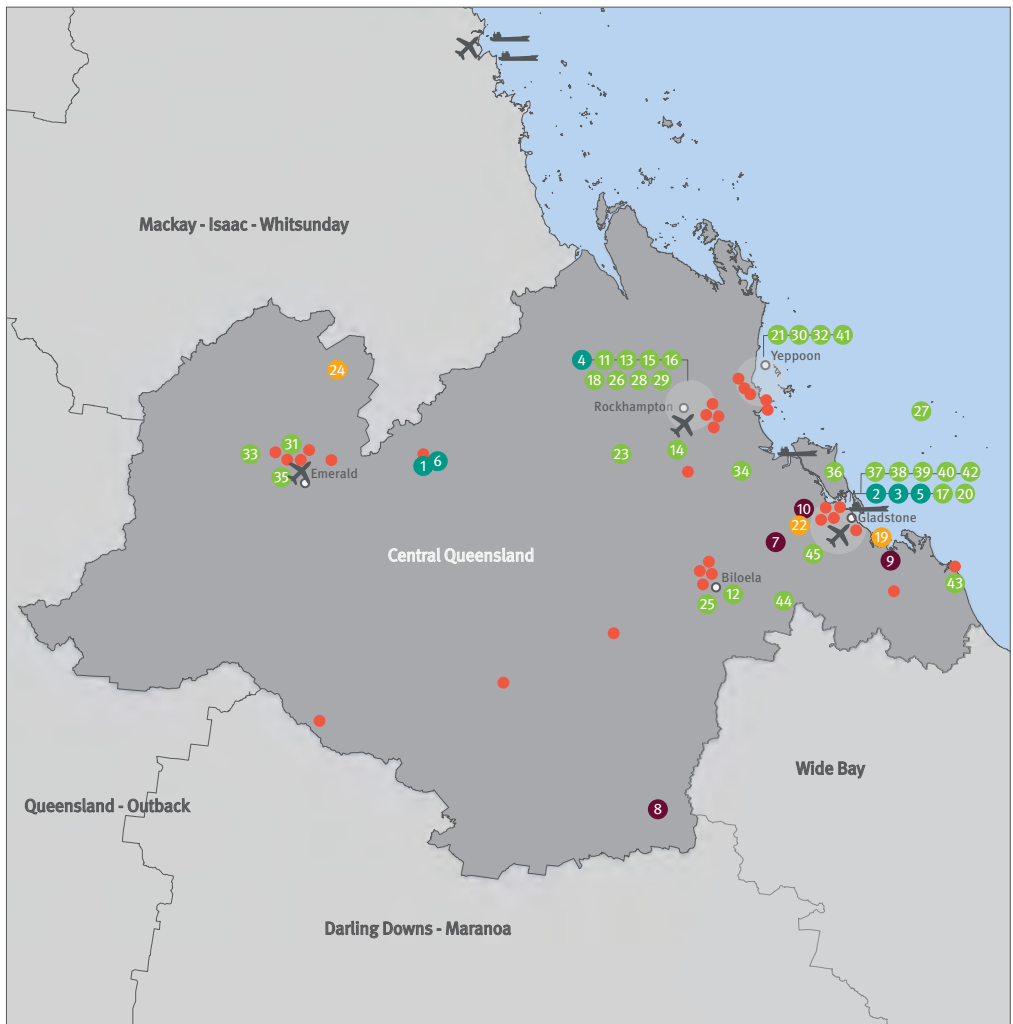
These projects include \$2.8 million for a new multi-day walking track between Tongue Point and Whitehaven Beach, \$1.2 million to upgrade the South Whitehaven Beach day areas and campground, \$1.2 million to establish a new lookout and walking track at South Whitehaven Beach, \$1.4 million to upgrade and expand the iconic Tongue Point lookout overlooking Hill Inlet, and \$900,000 for two new short walks at Border and Haslewood islands.

An additional \$5 million has also been allocated to develop eco-accommodation along a new multi-day bushwalk track on Whitsunday Island.



*Whitehaven Beach, Whitsundays*

## Central Queensland



**CURRENT POPULATION**  
2018  
**225,561**

**PROJECTED POPULATION**  
2036  
**266,946**

**PROJECTED GROWTH**  
2018 to 2036  
**18%**



**TOP EMPLOYMENT INDUSTRIES**

**AGRICULTURE, FORESTRY AND FISHING**  
**14,400**

**EDUCATION AND TRAINING**  
**12,600**

**HEALTH CARE AND SOCIAL ASSISTANCE**  
**10,700**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

### PROJECT HIGHLIGHTS

- |   |   |   |   |
|---|---|---|---|
| <ul style="list-style-type: none"> <li>1 Blackwater East</li> <li>2 Clinton</li> <li>3 Tannum Sands</li> <li>4 Central Queensland University, Rockhampton</li> <li>5 Toolooa</li> <li>6 Blackwater</li> <li>7 Callide Infrastructure Corridor State Development Area</li> <li>8 Surat Basin Infrastructure Corridor State Development Area</li> <li>9 Stanwell to Gladstone Infrastructure Corridor State Development Area</li> <li>10 Gladstone State Development Area</li> <li>11 Rockhampton Drug Rehabilitation Treatment facility</li> <li>12 Callide Power Station overhauls</li> </ul> | <ul style="list-style-type: none"> <li>13 Capricornia Correctional Centre Expansion</li> <li>14 Stanwell Power Station Overhauls</li> <li>15 Bruce Highway Rockhampton Northern Access</li> <li>16 Capricorn Highway duplication (Rockhampton – Gracemere)</li> <li>17 Gladstone Hospital Emergency Department</li> <li>18 Rockhampton Hospital car park</li> <li>19 Hummock Hill Island</li> <li>20 RG Tanna Coal Terminal projects</li> <li>21 Yeppoon State High School</li> <li>22 Aldoga Solar Farm</li> <li>23 Rookwood Weir</li> </ul> | <ul style="list-style-type: none"> <li>24 Lilyvale Solar Farm</li> <li>25 Biloela replacement police facility</li> <li>26 Bruce Highway – Terranove Drive, Rockhampton</li> <li>27 North West Island campground</li> <li>28 Rockhampton road train access</li> <li>29 Rockhampton Ambulance Station and Operations Centre redevelopment</li> <li>30 Yeppoon rail line</li> <li>31 Emerald State High School</li> <li>32 Great Barrier Reef Resorts Rejuvenation Program</li> <li>33 Capricorn Highway – Rockhampton to Emerald</li> <li>34 Bajool-Port Alma Road</li> <li>35 Fairbairn Dam Improvement Project</li> </ul> | <ul style="list-style-type: none"> <li>36 Curtis Island National Park – Connor Bluff day-use area development</li> <li>37 Gladstone Port services</li> <li>38 Toolooloa State High School</li> <li>39 Gladstone-Benarby Road (Dalrymple Drive to Bruce Highway Intersection)</li> <li>40 Bruce Highway (Benarby to Calliope River)</li> <li>41 Hatchery relocation project</li> <li>42 Muster Point Awoonga Dam</li> <li>43 Agnes Water State School</li> <li>44 Kroombit National Park</li> <li>45 New secondary school in Calliope</li> </ul> |
|---|---|---|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.

## Critical investment in power stations ensures reliable electricity supply

The Stanwell Power Station near Rockhampton has received \$54 million in funding to complete critical overhauls to ensure it continues to provide secure and reliable electricity to Queenslanders. The two-and-a-half-month program, which commenced in June 2019, includes an overhaul of unit one. In addition to a thorough inspection and maintenance, the power station's control system is being replaced, extending its life by about 15 years. The overhauls will inject \$10 million into the local economy, with accommodation providers and maintenance contractors among those who will benefit.

An additional \$35 million has also been used to upgrade the Tarong Power Station, located south-east of Kingaroy. Unit three's turbines, generators and motors were overhauled, its boilers and air heaters were inspected and repaired, and electrical switchboards underwent maintenance.

The works have ensured the ongoing reliability, efficiency and safety of the power station. These overhauls will assist Queenslanders to continue to receive reliable electricity supply, particularly during summer peak periods.



*Stanwell Power Station unit overhaul*

## Industry and government work together to build Central Queensland Inland Port

An intermodal inland port is being developed at Yamala, about 25 kilometres east of Emerald. It will improve supply chain efficiency between key origins and destinations, incentivise greater utilisation of rail freight and preserve the level of service on state-controlled roads, providing benefits to the wider community.

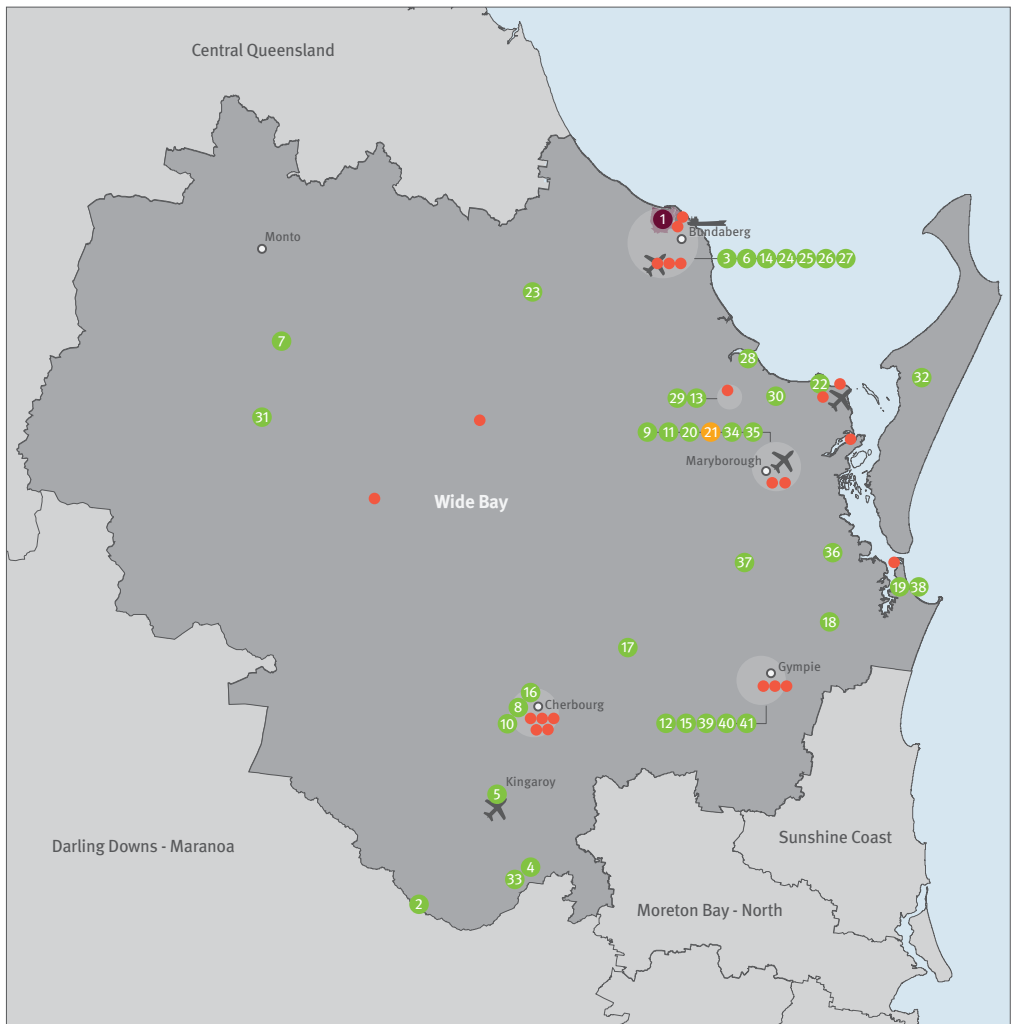
Intermodal freight terminals provide a point in the land-based supply chain where goods are transferred between different modes, combining the flexibility of road transport with the line-haul efficiency of rail. Inland ports enable high-volume commodities like fuel to be transported in bulk from the port to the intermodal facility, where it is then distributed by road to the destination.


The Yamala site has type one heavy vehicle access and freight rail access to the Port of Gladstone. It is well-located to support the rail industry and will be co-located with an existing cotton gin supplier.

Stage one has been funded by the Building our Regions program, Central Highlands Regional Council, GrainCorp and CQ Inland Port. It includes major upgrades to Bonnie Doon Road and the Capricorn Highway intersection. A 1.5-kilometre rail siding is also being constructed to allow rail access.



## Wide Bay



 \*  
**CURRENT POPULATION**  
 2018  
**296,849**  
**PROJECTED POPULATION**  
 2036  
**347,828**  
**PROJECTED GROWTH**  
 2018 to 2036  
**17%**

 **TOP EMPLOYMENT INDUSTRIES**  
**HEALTH CARE AND SOCIAL ASSISTANCE**  
**18,000**  
**RETAIL TRADE**  
**14,400**  
**EDUCATION AND TRAINING**  
**10,100**

**Legend**

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
-  Sea port
-  Major airport
-  Region boundary

### PROJECT HIGHLIGHTS

- |   |  |   |   |
|---|--|---|---|
| <ul style="list-style-type: none"> <li><span style="color: red;">●</span> 1 Bundaberg State Development Area</li> <li><span style="color: green;">●</span> 2 Indigenous Land and Sea Ranger Program Bunya Mountains</li> <li><span style="color: green;">●</span> 3 Gooburrum State School</li> <li><span style="color: green;">●</span> 4 Tarong Power Station overhauls</li> <li><span style="color: green;">●</span> 5 Kingaroy Hospital redevelopment</li> <li><span style="color: green;">●</span> 6 Mon Repos Turtle Centre redevelopment</li> <li><span style="color: green;">●</span> 7 Burnett Highway – Gayndah to Monto timber bridge replacement</li> <li><span style="color: green;">●</span> 8 Cherbourg dwelling upgrades</li> <li><span style="color: green;">●</span> 9 Bruce Highway – Gympie – Maryborough construct overtaking lanes</li> <li><span style="color: green;">●</span> 10 Cherbourg Wastewater Infrastructure Upgrade</li> <li><span style="color: green;">●</span> 11 Maryborough Hospital Emergency Department refurbishment</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> 12 James Nash State High School</li> <li><span style="color: green;">●</span> 13 Howard Rural fire station and SES facility co-located with police facility</li> <li><span style="color: green;">●</span> 14 Kepnock State High School</li> <li><span style="color: green;">●</span> 15 Mary Valley Rattler</li> <li><span style="color: green;">●</span> 16 Murgon State High School</li> <li><span style="color: green;">●</span> 17 Kilkivan replacement fire and emergency services complex</li> <li><span style="color: green;">●</span> 18 Toolara State Forest Substation upgrade</li> <li><span style="color: green;">●</span> 19 Rainbow Beach replacement auxiliary fire and rescue station</li> <li><span style="color: green;">●</span> 20 Maryborough State High School</li> <li><span style="color: orange;">●</span> 21 Rheinmetall Nioa Munitions shell forging plant</li> <li><span style="color: green;">●</span> 22 Hervey Bay State High School</li> <li><span style="color: green;">●</span> 23 Gin Gin Substation rebuild</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> 24 Bundaberg State High School</li> <li><span style="color: green;">●</span> 25 Indigenous Land and Sea Ranger program (Bundaberg)</li> <li><span style="color: green;">●</span> 26 Bundaberg Hospital pathology department refurbishment</li> <li><span style="color: green;">●</span> 27 Branyam Road State School</li> <li><span style="color: green;">●</span> 28 Burrum Heads Bowls Club</li> <li><span style="color: green;">●</span> 29 Howard substation upgrade</li> <li><span style="color: green;">●</span> 30 Torbanlea-Pialba Road</li> <li><span style="color: green;">●</span> 31 Eidsvold Multi Purpose Health Service refurbishment</li> <li><span style="color: green;">●</span> 32 Fraser Island Indigenous Land and Sea Ranger program</li> <li><span style="color: green;">●</span> 33 Meandu Mine</li> <li><span style="color: green;">●</span> 34 Searle Street, Maryborough, depot</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> 35 Eskdale Park Trust</li> <li><span style="color: green;">●</span> 36 Maryborough-Cooloola Road, Poona and Maaroom Road Intersection upgrades</li> <li><span style="color: green;">●</span> 37 Bakers Road floodway</li> <li><span style="color: green;">●</span> 38 Rainbow Beach Abandoned Mine Lands Program</li> <li><span style="color: green;">●</span> 39 Bruce Highway (Fleming Road to Fishermans Pocket Road)</li> <li><span style="color: green;">●</span> 40 Fraser Island</li> <li><span style="color: green;">●</span> 41 One Mile State School</li> </ul> |
|---|--|---|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.

## Building our Regions projects in Wide Bay

### Bundaberg Multiplex Centre

The Bundaberg Multiplex Centre is a purpose-built community and event facility that doubles as an evacuation centre. It hosts a range of activities, including youth programs, school-aged care, and gym and fitness options. The centre promotes community participation, offers opportunities for residents to improve their health and wellbeing, and provides a haven during disasters.

### Bundaberg Aviation and Aerospace Precinct

Stage three of the Bundaberg Aviation and Aerospace Precinct involves the development of eight serviced allotments, construction of taxiways and aircraft aprons, extension of a loop road and a sewerage pump station.

When complete, the project will improve airport safety and unlock significant business opportunities for growth in the aerospace and advanced manufacturing industries. It will also provide a base for a new Aeromedical Centre of Excellence, with the airside location set to save precious time transporting patients during emergencies.

### Maryborough Portside Cultural Precinct

The third stage of the upgrade to Maryborough's Portside Cultural Precinct involves the restoration of multiple buildings to create a new interpretive centre, arts industry business incubation space, exhibition and multi-use events space, public art and culture trail. The project will revitalise the precinct by transforming heritage sites into a unique, integrated, cultural tourism experience.

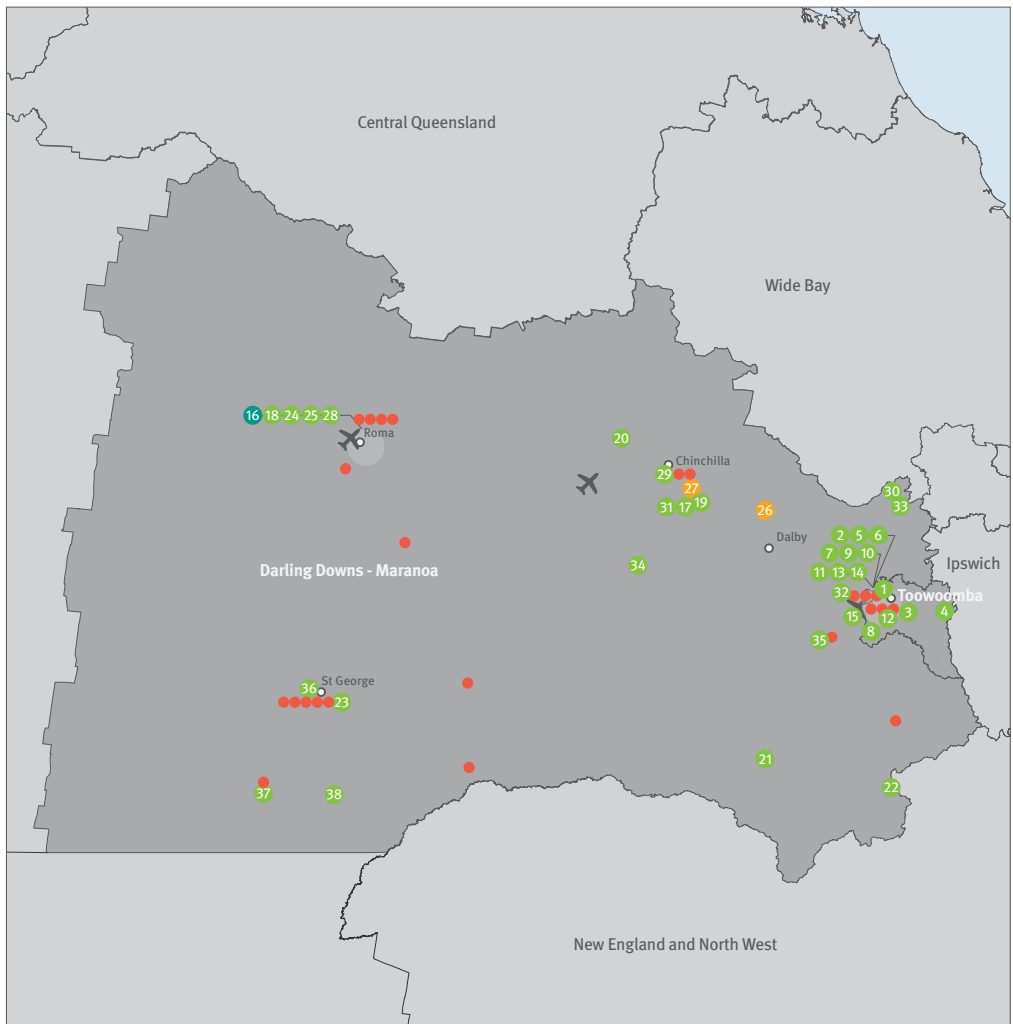
### Gympie Youth Precinct Recreation Hub


The purpose-built Gympie Youth Precinct Recreation Hub will include a bouldering wall, pump track, skate bowl and surrounding flow area, lighting and landscaping. The Gympie Memorial Pool building will also be refurbished as part of the project. Once complete, the Gympie Youth Precinct Recreation Hub will promote participation, social inclusion, and provide a space to stay fit and active.



*Bundaberg Multiplex Centre*

## Toowoomba and Darling Downs – Maranoa



 \*  
**CURRENT POPULATION**  
 2018  
**285,538**  
**PROJECTED POPULATION**  
 2036  
**325,7398**  
**PROJECTED GROWTH**  
 2018 to 2036  
**14%**

 **TOP EMPLOYMENT INDUSTRIES**  
**HEALTH CARE AND SOCIAL ASSISTANCE**  
**23,500**  
**AGRICULTURE, FORESTRY AND FISHING**  
**15,100**  
**CONSTRUCTION**  
**12,200**

**Legend**

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
-  Sea port
-  Major airport
-  Region boundary

### PROJECT HIGHLIGHTS

- |  |  |  |   |
|--|--|--|---|
| <ul style="list-style-type: none"> <li>1 Highfields new police facility</li> <li>2 Wilsonton neighbourhood centre</li> <li>3 Toowoomba State High School</li> <li>4 Cahill Park Sports Precinct</li> <li>5 Newtown new police facility</li> <li>6 Toowoomba Hospital upgrades</li> <li>7 Drayton new ambulance station</li> <li>8 Wyreema State School</li> <li>9 Toowoomba TAFE Campus</li> <li>10 Toowoomba Range capacity and clearance upgrades</li> </ul> | <ul style="list-style-type: none"> <li>11 Toowoomba Second Range Crossing upgrades</li> <li>12 Harristown State High School</li> <li>13 Centenary Heights State High School</li> <li>14 Charlton fire and rescue replacement permanent station</li> <li>15 Qantas pilot training academy</li> <li>16 Bowen St, Roma</li> <li>17 Kogan Creek Power Station enhancements, overhauls and refurbishment</li> <li>18 Roma Hospital redevelopment</li> <li>19 Warrego Highway – Dalby to Miles</li> <li>20 Swanbank Power Station Gas Supply Strategy</li> </ul> | <ul style="list-style-type: none"> <li>21 Coolmunda Dam Spillway Improvement</li> <li>22 Glen Niven Dam</li> <li>23 Carnarvon Highway – St George to Surat</li> <li>24 Roma State College middle campus</li> <li>25 Roma student nurse accommodation</li> <li>26 Jimbour beef and bacon processing facility</li> <li>27 Brigalow solar farm</li> <li>28 The Bigger Big Rig and Tree Walk Bungil Creek</li> <li>29 Warrego Highway – Chinchilla Rail Crossing upgrade</li> <li>30 Yarraman replacement auxiliary fire and rescue station</li> </ul> | <ul style="list-style-type: none"> <li>31 Hopeland (Linc Energy) mine site</li> <li>32 Warrego Highway – Oakey to Miles</li> <li>33 New England Highway – Yarraman to Toowoomba</li> <li>34 Tara Shire State College</li> <li>35 Yarranlea Substation</li> <li>36 St George State High School</li> <li>37 Dirranbandi P-10 State School</li> <li>38 Noondoo – Thallon Road</li> </ul> |
|--|--|--|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.



## Toowoomba Second Range Crossing

The Toowoomba Second Range Crossing will provide an alternative passage for freight transport over the Great Dividing Range when it opens later in 2019.

Almost half of all exports that go through the Port of Brisbane come via this route and about 4400 of the more than 26,000 vehicles that use the existing roadway are heavy vehicles. Up to 80 per cent of these will divert onto the 41-kilometre-long toll road, which links the Warrego Highway at Helidon Spa in the east and the Gore Highway at Athol in the west.

The \$1.6 billion project is expected to increase regional productivity by more than \$2.4 billion over the next 30 years. Heavy vehicles will avoid 18 sets of traffic lights, saving drivers up to 20 minutes in travel time. The new crossing will also increase the liveability of Toowoomba and Lockyer Valley residents by reducing congestion and pollution.

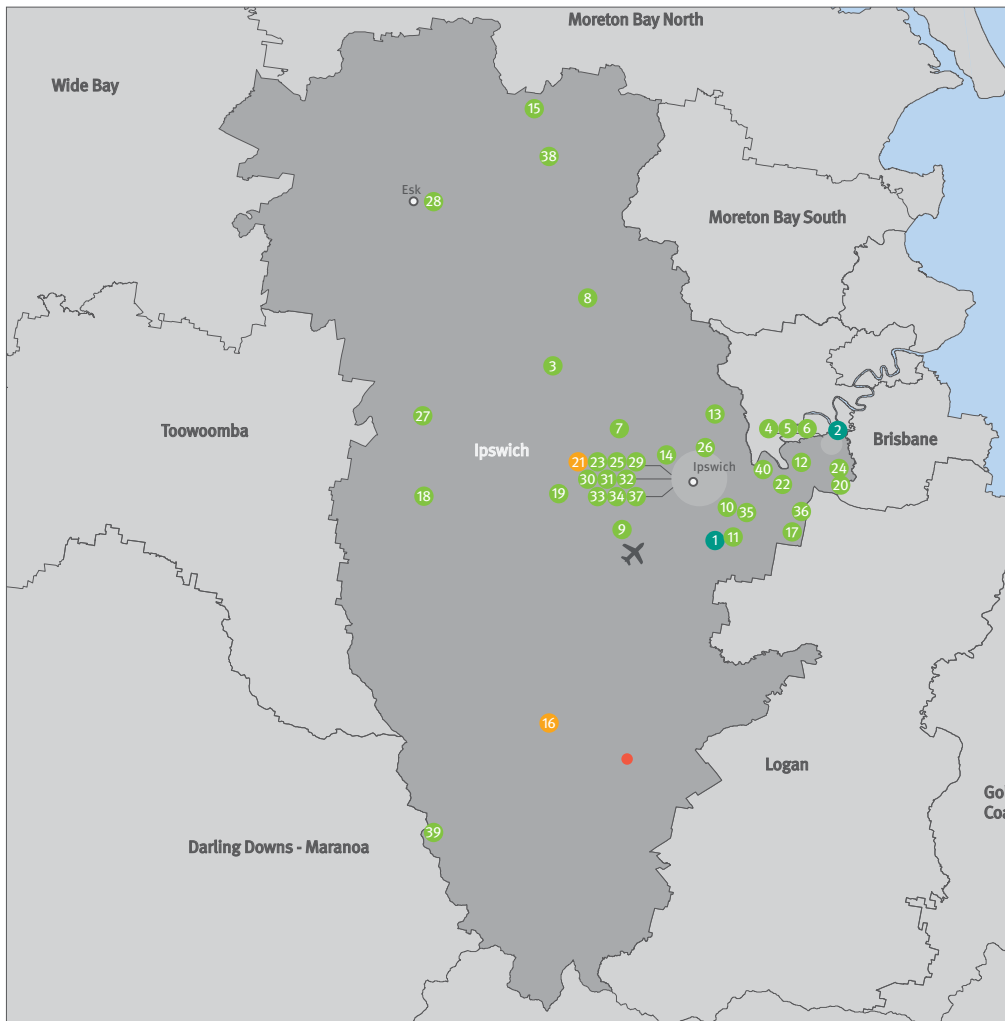
One of the key features of the road is an 800-metre-long viaduct that ensures the crossing is no steeper than 6.5 per cent, significantly less than the existing thoroughfare. The reduced incline will lead to fuel savings and reduced vehicle wear and tear. The elevated bridge also protects the natural passage below that is utilised by koalas and other animals.

The construction of the Toowoomba Second Range Crossing has delivered the largest economic benefit of any Queensland project over the course of more than three years, contributing \$1.8 billion to Gross National Product, and supporting 9260 full-time jobs.



*The viaduct along the Toowoomba Second Range Crossing*

## Ipswich (including Scenic Rim and Lockyer)



**CURRENT POPULATION**  
2018  
**351,793**

**PROJECTED POPULATION**  
2036  
**662,440**

**PROJECTED GROWTH**  
2018 to 2036  
**88%**



**TOP EMPLOYMENT INDUSTRIES**

**HEALTH CARE AND SOCIAL ASSISTANCE**  
**24,300**

**RETAIL TRADE**  
**18,600**

**CONSTRUCTION**  
**18,500**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

### PROJECT HIGHLIGHTS

- |   |  |   |  |
|---|--|---|--|
| <ul style="list-style-type: none"> <li>1 Ripley Valley</li> <li>2 Oxley</li> <li>3 Lowood State High School</li> <li>4 Darra Train Station park 'n' ride</li> <li>5 Inala Wangarra</li> <li>6 Ipswich Motorway – Rocklea to Darra upgrade (Stage 1)</li> <li>7 Borallon Correctional Centre Recommissioning</li> <li>8 Wivenhoe Power Station overhauls</li> <li>9 Willowbank Industrial Development</li> <li>10 Swanbank Power Station overhauls</li> <li>11 Ripley Valley – Providence Primary School, Providence Secondary School</li> </ul> | <ul style="list-style-type: none"> <li>12 Wacol Counter-Terrorism and Community Training Centre</li> <li>13 Mount Crosby East Bank Water Treatment Plant Filtration Upgrade</li> <li>14 Ipswich State High School</li> <li>15 Somerset Hydro refurbishment</li> <li>16 Kalfresh Scenic Rim Agricultural Industrial Precinct</li> <li>17 Springfield Central State High School additional classrooms</li> <li>18 Laidley State High School</li> <li>19 Rosewood replacement auxiliary fire and rescue station</li> <li>20 Forest Lake State High School</li> <li>21 Military Vehicle Centre of Excellence</li> <li>22 Inala Community Health Centre upgrades</li> </ul> | <ul style="list-style-type: none"> <li>23 East Ipswich Train Station</li> <li>24 Goodna Special School</li> <li>25 Youth Detention Centre infrastructure (Wacol)</li> <li>26 Warego Highway – Mount Crosby Road intersection</li> <li>27 Glenore Substation upgrade</li> <li>28 Esk replacement auxiliary fire and rescue station</li> <li>29 Additional youth detention centre infrastructure (Wacol)</li> <li>30 The Workshops Rail Museum</li> <li>31 Murri Court expansion Ipswich</li> <li>32 Ipswich Hospital expansion (Stage 1A)</li> <li>33 Ipswich Netball Association</li> </ul> | <ul style="list-style-type: none"> <li>34 District domestic and family violence coordinators</li> <li>35 Fernbrooke State School</li> <li>36 Springfield Central Train Station park 'n' ride</li> <li>37 Social housing in Ipswich region</li> <li>38 D'Aguiar National Park</li> <li>39 Ripley Neighbourhood Centre</li> <li>40 Wacol warehouse facility</li> </ul> |
|---|--|---|--|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.

## Spring Mountain State School

Spring Mountain State School opened its doors at the start of the 2019 school year, with students from prep to year six experiencing the facility for the first time. The school was the last of 10 built under the Queensland Government's \$1.52 billion public-private partnership program.

The schools were constructed in high-growth areas of South East Queensland (SEQ) over a five-year period from 2014. Spring Mountain State School is located in the emerging suburb of Spring Mountain in the Greater Springfield area.

Its opening provided relief to the fast-growing Springfield Central State School, with the primary school-aged population in the area forecast to grow by more than 75 per cent in the coming years.

The new facility features 30 general learning areas, a music and science block, resource centre, multi-purpose hall, administration block, tuckshop, uniform shop and a large oval.

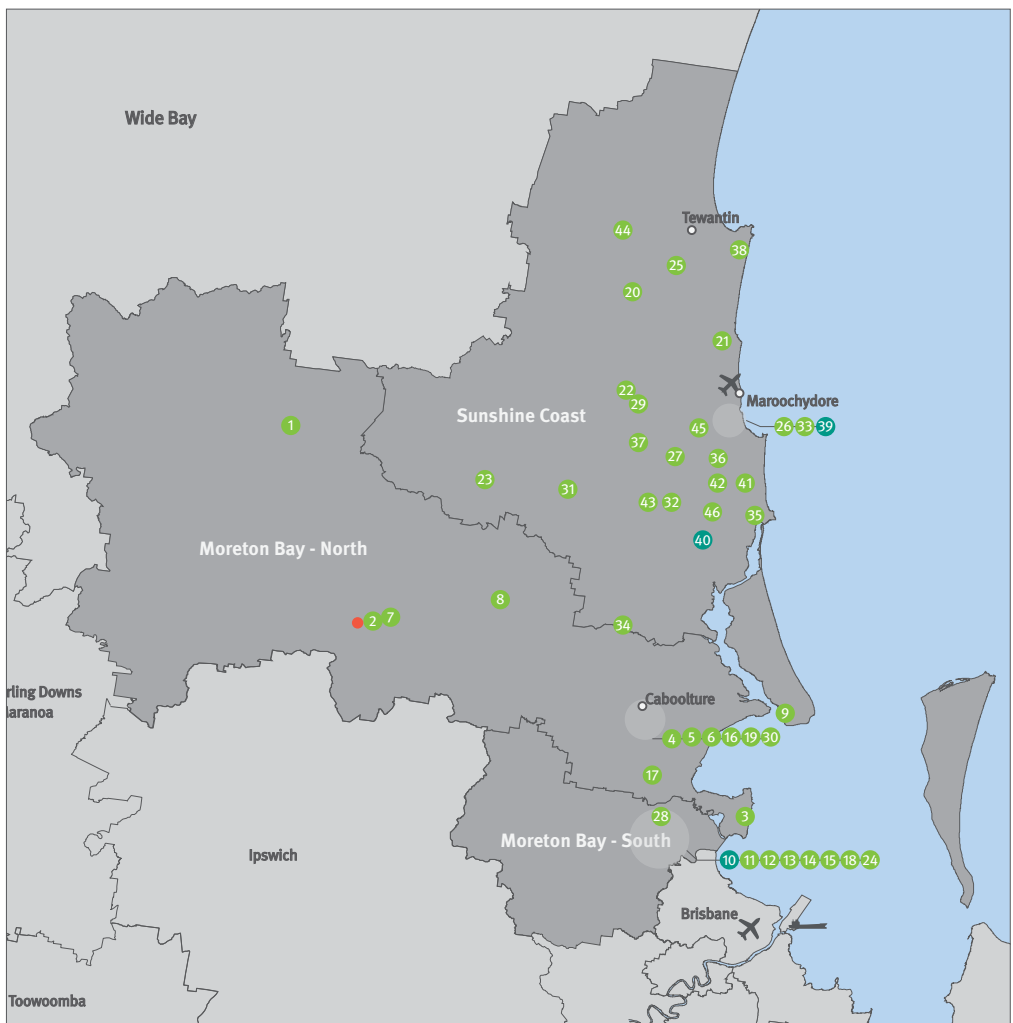


Spring Mountain State School



# Overview

## Sunshine Coast and Moreton Bay



**CURRENT POPULATION**  
2018  
**840,712**

**PROJECTED POPULATION**  
2036  
**1,190,217**

**PROJECTED GROWTH**  
2018 to 2036  
**42%**



**TOP EMPLOYMENT INDUSTRIES**

**HEALTH CARE AND SOCIAL ASSISTANCE**  
**59,900**

**CONSTRUCTION**  
**50,100**

**RETAIL**  
**38,400**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

### PROJECT HIGHLIGHTS

- |  |   |  |   |
|--|---|--|---|
| <ul style="list-style-type: none"> <li>1 Jimna Fire Station</li> <li>2 Kilcoy Substation upgrade</li> <li>3 Redcliffe Hospital car park</li> <li>4 New special school at Caboolture</li> <li>5 Caboolture Hospital expansion</li> <li>6 Caboolture replacement police facility and district headquarters</li> <li>7 Kallangur Area Neighbourhood Centre</li> <li>8 Woodfordia Infrastructure Upgrade</li> <li>9 Bribie Island State High School</li> <li>10 The Mill at Moreton Bay</li> <li>11 Caboolture Youth Step Up Step Down facility</li> <li>12 North Lakes/Mango Hill Secondary School</li> </ul> | <ul style="list-style-type: none"> <li>13 Sideling Creek Dam Safety Upgrade</li> <li>14 Community Services – Kallangur Area Neighbourhood Centre</li> <li>15 District domestic and family violence coordinators</li> <li>16 Caboolture refurbishment of old police facility</li> <li>17 Burpengary State Secondary College</li> <li>18 Lawnton State School</li> <li>19 Social housing Sunshine Coast and Moreton Bay</li> <li>20 Eumundi State School</li> <li>21 Coolool replacement police facility</li> <li>22 Nambour General Hospital redevelopment</li> <li>23 Conondale National Park – Kenilworth Base upgrade</li> <li>24 Griffin State School</li> </ul> | <ul style="list-style-type: none"> <li>25 Suncoast power project</li> <li>26 Sunshine Coast aquatic exercise facility</li> <li>27 University of the Sunshine Coast Stadium</li> <li>28 Dakabin Train Station</li> <li>29 Nambour replacement police facility</li> <li>30 Morayfield Train Station</li> <li>31 Maleny replacement Queensland Fire and Emergency Services complex</li> <li>32 Ewen Maddock Dam Safety Upgrade (Stage 2)</li> <li>33 Elderly Parent Carer Innovation Initiative – North Coast – Wesley Mission</li> <li>34 Glasshouse National Park infrastructure revitalisation</li> <li>35 New secondary school Caloundra South</li> </ul> | <ul style="list-style-type: none"> <li>36 Palm View – new primary school, special school and high school</li> <li>37 Suncoast Subtransmission project – Palmwoods to West Maroochydore</li> <li>38 Sunshine Beach State High School</li> <li>39 Maroochydore City Centre</li> <li>40 Caloundra South</li> <li>41 Sunshine Coast University Hospital ICT Project (Group 4)</li> <li>42 Bruce Highway – Caloundra Road to Sunshine Motorway</li> <li>43 North Coast Line – Beerburum to Nambour Rail Upgrade</li> <li>44 Lake MacDonald Dam Upgrade (Stage 2)</li> <li>45 132kV Double Circuit Feeder Palmwoods – West Maroochydore</li> <li>46 Sunshine Coast Industrial Precinct (Stage 2)</li> </ul> |
|--|---|--|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.

## Bruce Highway upgrade – Caloundra Road to Sunshine Motorway

An Australian-first interchange is under construction as part of the Bruce Highway upgrade between Caloundra Road and the Sunshine Motorway on the Sunshine Coast.

A diverging diamond interchange is being built at Caloundra Road, allowing right-turning and through traffic to move through the interchange simultaneously. Its design will minimise the footprint on the Beerwah State Forest, reduce congestion, enhance capacity, improve safety and provide active transport connections. Drivers who want to:

- ▶ make a right turn will only need to use one set of traffic lights
- ▶ make a left turn will not need to stop at any signals
- ▶ cross the highway will progress through two signalised intersections that are synchronised and do not have any turning movements.

The Caloundra Road diverging diamond interchange is part of a \$812.95 million project that involves widening the Bruce Highway from four to six lanes between Caloundra Road and the Sunshine Motorway, upgrading the interchanges at each turn-off, and delivering a two-way service road for local traffic between Steve Irwin Way and Tanawha Tourist Drive.

The speed limit on the upgraded sections of the Bruce Highway will be returned to 110 kilometres per hour upon completion. It will also cater for a one in 100-year flood event. Other features include:

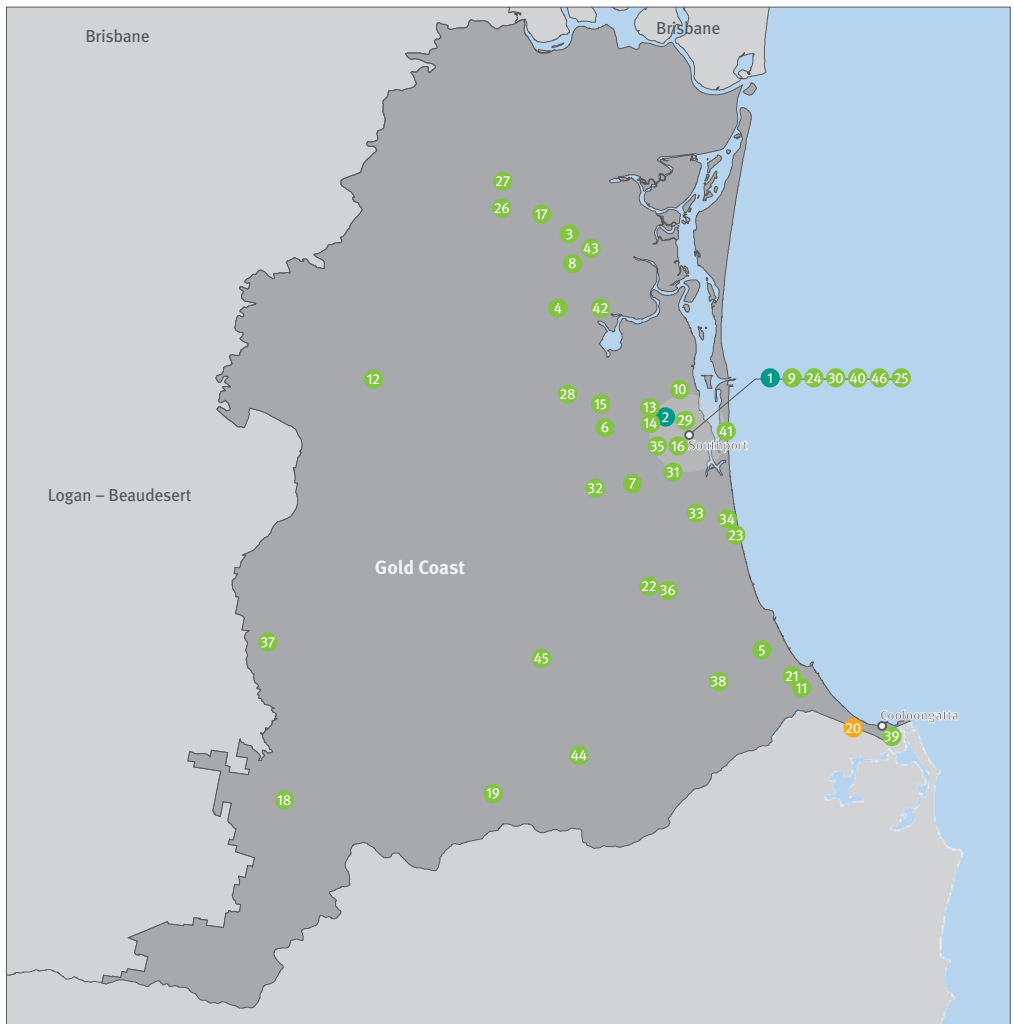
- ▶ improved cyclist and pedestrian movements
- ▶ a new car-pool facility between the Bruce Highway and Pignata Road
- ▶ installation of Intelligent Transport Systems, such as CCTV cameras, vehicle detection technology, variable speed limit and message signs
- ▶ access facilities for emergency service vehicles.

Construction is underway, with the project expected to be complete by late 2020.



*The construction of the diverging diamond intersection at the Caloundra Road turn-off on the Bruce Highway on the Sunshine Coast*

## Gold Coast



**CURRENT POPULATION**  
2018  
**622,048**

**PROJECTED POPULATION**  
2036  
**887,304**

**PROJECTED GROWTH**  
2018 to 2036  
**43%**

**TOP EMPLOYMENT INDUSTRIES**

**HEALTH CARE AND SOCIAL ASSISTANCE**  
**49,300**

**RETAIL TRADE**  
**41,200**

**CONSTRUCTION**  
**37,800**

**Legend**

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- ✈ Sea port
- ✈ Major airport
- ▭ Region boundary

### PROJECT HIGHLIGHTS

- |   |  |  |  |
|---|--|--|--|
| <ul style="list-style-type: none"> <li>1 Southport</li> <li>2 Parklands</li> <li>3 Pimpama State Primary College</li> <li>4 M1 Pacific Motorway Exit 57</li> <li>5 Pacific Motorway – Varsity Lakes to Tugun</li> <li>6 Pacific Motorway – Mudgeeraba to Varsity Lakes extra lanes</li> <li>7 Carrara Stadium Precinct upgrade</li> <li>8 Coomera/Pimpama secondary school</li> <li>9 Gold Coast Aquatic Centre</li> <li>10 Labrador Substation upgrade</li> <li>11 Palm Beach Substation upgrade</li> <li>12 Tamborine Mountain State High School</li> </ul> | <ul style="list-style-type: none"> <li>13 Gold Coast Medical Imaging Informatics Solution, Gold Coast University Hospital</li> <li>14 Gold Coast Health and Knowledge Precinct</li> <li>15 Arundel police facility</li> <li>16 Southport Ambulance Station and Gold Coast Operations Centre redevelopment</li> <li>17 Pimpama new permanent station</li> <li>18 Lamington National Park infrastructure revitalisation</li> <li>19 Springbrook National Park infrastructure upgrade</li> <li>20 Gold Coast Airport upgrade</li> <li>21 Palm Beach Currumbin State High School</li> <li>22 Robina Hospital upgrades</li> <li>23 Broadbeach State School</li> </ul> | <ul style="list-style-type: none"> <li>24 Gold Coast TAFE</li> <li>25 Navigation access and safety</li> <li>26 New Primary school in Pimpama</li> <li>27 Ormeau State School</li> <li>28 Pacific Pines State High School</li> <li>29 Southport State High School</li> <li>30 Good Money Store – Southport</li> <li>31 Colleges Rugby Union Club</li> <li>32 Nerang BMX Club</li> <li>33 Surfers Paradise Rugby Union Club</li> <li>34 Gold Coast Convention and Exhibition Centre</li> <li>35 Gold Coast Adolescent Mental Health Day Program</li> </ul> | <ul style="list-style-type: none"> <li>36 Gold Coast District Cricket Club</li> <li>37 Sarabah Road Floodway</li> <li>38 Tallebudgera Pony Club</li> <li>39 Tweed Coolangatta Junior Australian Football Club</li> <li>40 First 5 Forever</li> <li>41 Gold Coast Waterways dredging</li> <li>42 Helensvale State High School additional classrooms</li> <li>43 Picnic Creek State School new school</li> <li>44 Gold Coast – Springbrook Road, Natural Disaster Relief and Recovery Arrangements, remediate better slopes</li> <li>45 Nerang – Murwillumbah Road, Natural Disaster Relief and Recovery Arrangements, remediate better slopes</li> <li>46 Boating Infrastructure Program</li> </ul> |
|---|--|--|--|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.



## Gold Coast Health and Knowledge Precinct

A key legacy of the 2018 Gold Coast Commonwealth Games is the transformation of the athletes' village into a collaborative health and knowledge precinct.

The creation of this new community will drive health and knowledge-related jobs and economic growth both on the Gold Coast and surrounding regions.

Economic Development Queensland (EDQ), Griffith University, Gold Coast University Hospital, City of Gold Coast and the health and knowledge sectors are developing a strategy to attract national and international investment.

The redevelopment of the 9.5 hectares of state-owned land within the former athletes' village will ultimately contribute an extra 12,000 jobs and an additional \$1.4 billion to the state's economy.

A milestone was realised in April 2019 when the first land sale was made. Griffith University will turn its \$80 million site into an Advanced Design and Prototyping Technologies Institute, with construction expected to start in early 2020.

EDQ has also spent \$3 million transforming other 2018 Gold Coast Commonwealth Games legacy village buildings into the Gold Coast's newest coworking and innovation facility, which opened in May 2019. COHORT offers health and technology start-ups, incubators, entrepreneurs, accelerators, mentors and investors a modern and flexible space to collaborate and grow their businesses.

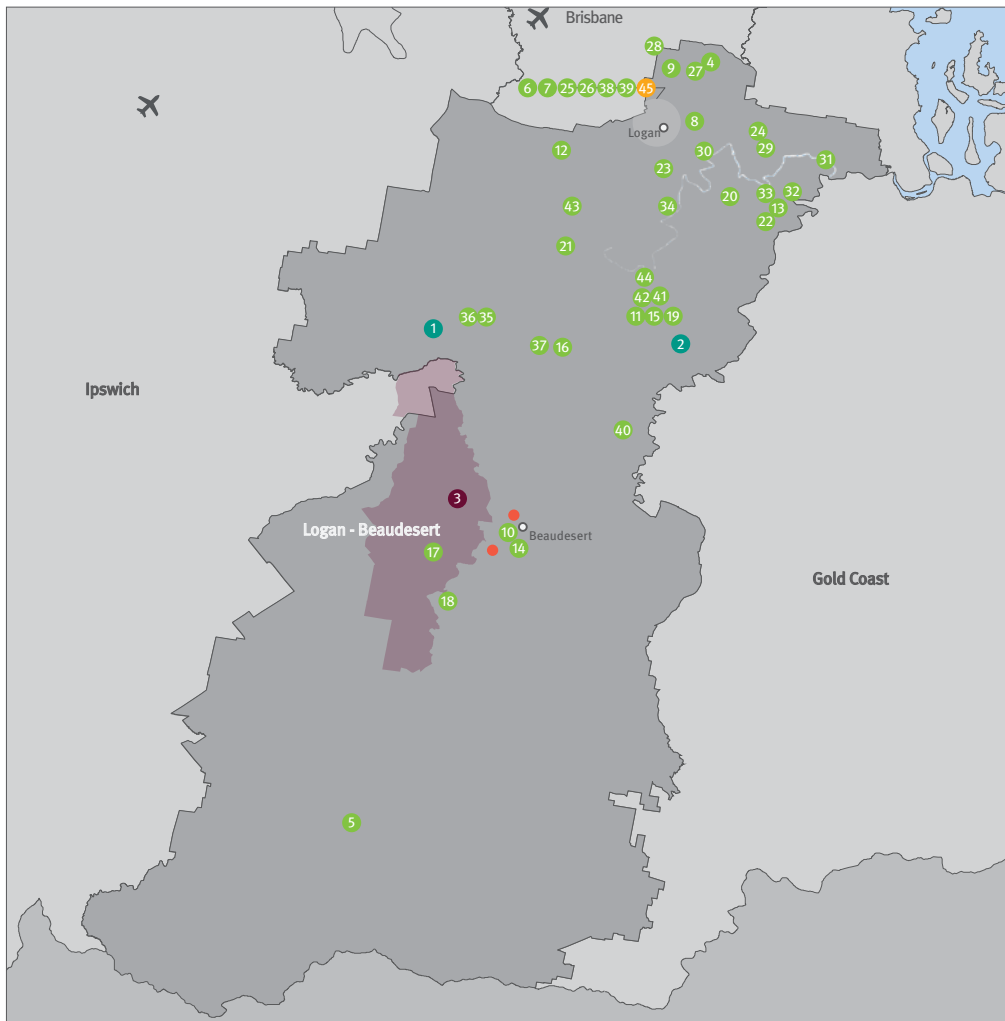
EDQ is in negotiations with investors and developers about three additional sites, with construction expected to start in the next two years.



Gold Coast Health and Knowledge Precinct

Image courtesy of Gold Coast City Council

## Logan



### CURRENT POPULATION

2018  
**341,405**

### PROJECTED POPULATION

2036  
**531,762**

### PROJECTED GROWTH

2018 to 2036  
**56%**



### TOP EMPLOYMENT INDUSTRIES

#### CONSTRUCTION

**18,900**

#### MANUFACTURING

**18,700**

#### RETAIL TRADE

**18,100**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

## PROJECT HIGHLIGHTS

- |  |   |  |   |
|--|---|--|---|
| <ul style="list-style-type: none"> <li><span style="color: green;">1</span> Greater Flagstone</li> <li><span style="color: green;">2</span> Yarrabilba</li> <li><span style="color: purple;">3</span> Bromelton State Development Area</li> <li><span style="color: green;">4</span> Underwood Sports Park</li> <li><span style="color: green;">5</span> Rathdowney replacement fire and emergency services facility</li> <li><span style="color: green;">6</span> Logan City Netball Association</li> <li><span style="color: green;">7</span> Logan Adolescent Mental Health Day Program</li> <li><span style="color: green;">8</span> Football Queensland</li> <li><span style="color: green;">9</span> Pacific Motorway – Eight Mile Plains to Daisy Hill</li> <li><span style="color: green;">10</span> Beaudesert Water Supply Zone Upgrade</li> <li><span style="color: green;">11</span> New Primary School Yarrabilba</li> <li><span style="color: green;">12</span> Greenbank bus park 'n' ride upgrade</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">13</span> Beenleigh Courthouse upgrade</li> <li><span style="color: green;">14</span> Beaudesert replacement station</li> <li><span style="color: green;">15</span> Yarrabilba new ambulance station</li> <li><span style="color: green;">16</span> Community Services Jimboomba Neighbourhood Centre</li> <li><span style="color: green;">17</span> Bromelton Substation upgrade</li> <li><span style="color: green;">18</span> Mount Lindesay Highway safety improvements</li> <li><span style="color: green;">19</span> Yarrabilba Secondary School</li> <li><span style="color: green;">20</span> Velloway 1 Cycleway, Logan Road (Levington Road – Kingston Road), construct cycleway</li> <li><span style="color: green;">21</span> Munruben new ambulance station</li> <li><span style="color: green;">22</span> Beenleigh Special School</li> <li><span style="color: green;">23</span> Marsden State High School</li> <li><span style="color: green;">24</span> Shailer Park State High School</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">25</span> Logan City Special School</li> <li><span style="color: green;">26</span> Woodridge Youth Step Up Step Down facility</li> <li><span style="color: green;">27</span> Springwood State High School</li> <li><span style="color: green;">28</span> Pacific Motorway, Gateway merge</li> <li><span style="color: green;">29</span> Logan Lightning Football Club</li> <li><span style="color: green;">30</span> Logan Hospital expansion</li> <li><span style="color: green;">31</span> Beenleigh-Redland Bay Road and Kruger Road intersection signalisation</li> <li><span style="color: green;">32</span> Eagleby South State School</li> <li><span style="color: green;">33</span> Beenleigh Multisports Association</li> <li><span style="color: green;">34</span> Logan Reserve State School</li> <li><span style="color: green;">35</span> Greater Flagstone critical infrastructure</li> <li><span style="color: green;">36</span> Flagstone Phoenix Brothers Rugby League Club</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">37</span> Jimboomba Redbacks Australian Football Club</li> <li><span style="color: green;">38</span> Social housing in Logan Reserve</li> <li><span style="color: green;">39</span> Logan Hospital Mental Health Clinical Decision Unit</li> <li><span style="color: green;">40</span> Yarrabilba new permanent fire and rescue station</li> <li><span style="color: green;">41</span> Mount Lindesay Highway (Brisbane – Beaudesert), Greenbank Road, North Maclean, improve intersection</li> <li><span style="color: green;">42</span> Mount Lindesay Highway (Brisbane – Beaudesert), Camp Cable Road – Johanna Street, four lane upgrade</li> <li><span style="color: green;">43</span> Mount Lindesay Highway (Brisbane – Beaudesert), Rosia Road – Stoney Camp Road, four lane upgrade</li> <li><span style="color: green;">44</span> Mount Lindesay Highway (Brisbane – Beaudesert), Stockleigh Road, South Maclean, improve intersection</li> <li><span style="color: orange;">45</span> Transurban Logan Motorway Redevelopment Project</li> </ul> |
|--|---|--|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.

## Logan Hospital

The Logan Hospital expansion is an integral part of the Queensland Government's Building Better Hospitals program. It will help address demand by enhancing public hospital capacity and services in one of SEQ's fastest-growing areas.

Key drivers for the project include:

- ▶ forecasted higher than average growth in population and service demand
- ▶ an ageing, culturally and linguistically diverse population
- ▶ significant socio-economic disadvantage
- ▶ low private health insurance rates
- ▶ high acute overnight bed occupancy.

The \$460.9 million Logan Hospital expansion delivers on an election commitment to deliver additional beds to this growth area. The business case has been endorsed by the Metro South Hospital and Health Service and Building Queensland boards, and the Queensland Health Investment Review Committee. The project includes the construction of additional wings to accommodate 206 beds, as well as 28 recovery spaces and two endoscopy suites. Enabling works will commence in 2019–20.

The Logan Hospital expansion is part of a system-wide approach to address the increased demand for health services.

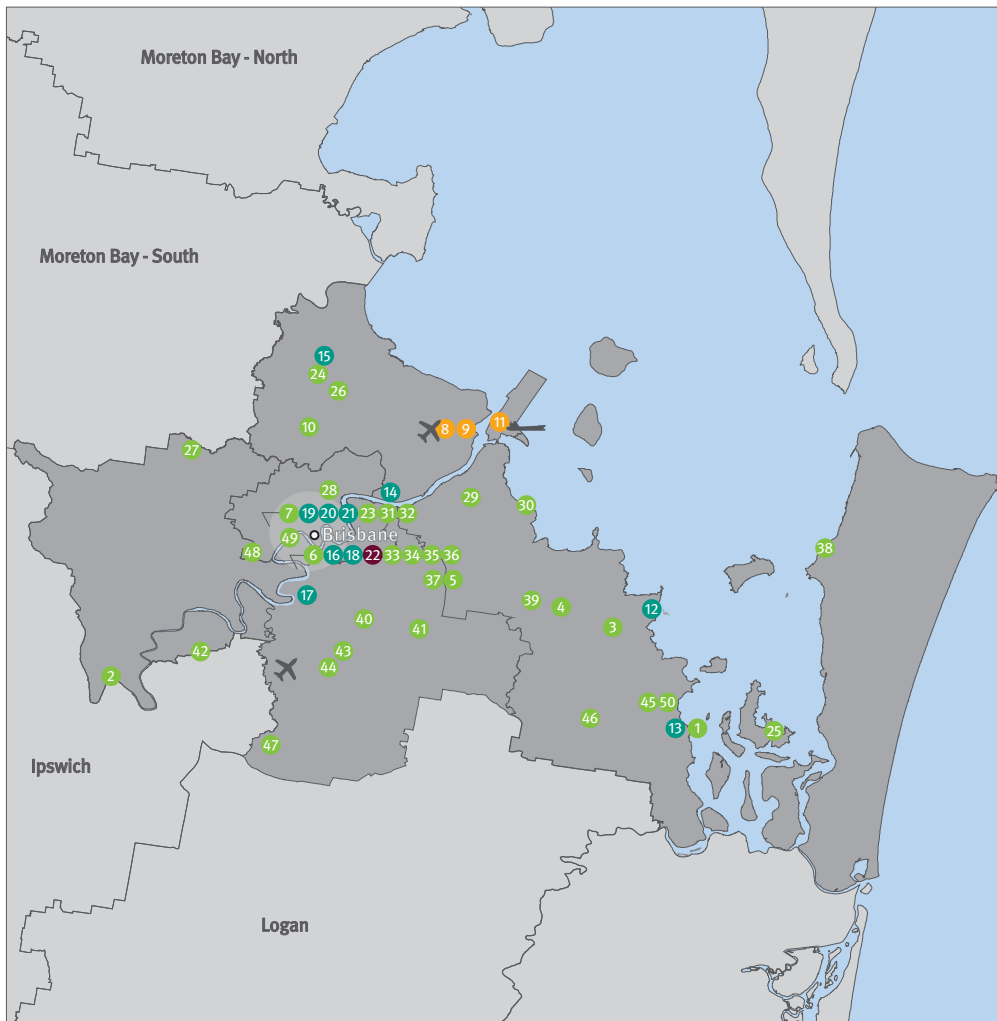


*Artist's impression of Logan Hospital*



# Overview

## Brisbane



**CURRENT POPULATION**  
2018  
**1,303,998**

**PROJECTED POPULATION**  
2036  
**1,552,288**

**PROJECTED GROWTH**  
2018 to 2036  
**19%**



**TOP EMPLOYMENT INDUSTRIES**

**HEALTH CARE AND SOCIAL ASSISTANCE**  
**103,000**

**PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES**  
**81,900**

**EDUCATION AND TRAINING**  
**63,600**

### Legend

- Government project
- Building our Regions project
- State Development Area
- Priority Development Area
- Private sector projects
- Sea port
- Major airport
- Region boundary

### PROJECT HIGHLIGHTS

- |  |   |   |   |
|--|---|---|---|
| <ul style="list-style-type: none"> <li>1 Southern Moreton Bay Island Ferry terminal upgrades</li> <li>2 Moggill Koala Hospital and rehabilitation centre</li> <li>3 Redland Hospital upgrades</li> <li>4 Alexandra Hills TAFE expansion</li> <li>5 Eastern Transitway</li> <li>6 Gabba refurbishment</li> <li>7 New Inner city North State secondary college</li> <li>8 Brisbane Airport</li> <li>9 ATR Flight Simulator</li> <li>10 Adolescent Extended Treatment Centre</li> <li>11 Port of Brisbane</li> <li>12 Toondah Harbour</li> <li>13 Weinam Creek</li> </ul> | <ul style="list-style-type: none"> <li>14 Northshore Hamilton</li> <li>15 Fitzgibbon</li> <li>16 Woolloongabba</li> <li>17 Yeronga</li> <li>18 Queen's Wharf Brisbane</li> <li>19 Herston Quarter</li> <li>20 Bowen Hills</li> <li>21 Albert Street Cross River Rail</li> <li>22 Queensland Children's Hospital State Development Area</li> <li>23 Indigenous Land and Sea Ranger Program (Home Hill)</li> <li>24 Beams Road rail level crossing</li> <li>25 Coorroboree Future Lab (Stage 2)</li> <li>26 Zillmere Sports Centre</li> </ul> | <ul style="list-style-type: none"> <li>27 Ferny Grove State High School</li> <li>28 North Brisbane Bikeway</li> <li>29 Lindum train station park 'n' ride</li> <li>30 Darling Point Special School</li> <li>31 Brisbane Central State School</li> <li>32 New Farm State School</li> <li>33 New performing arts theatre</li> <li>34 Queensland Children's Hospital expansion</li> <li>35 Boggo Road Precinct redevelopment</li> <li>36 New Inner City South State Secondary College</li> <li>37 Old Cleveland Road and Gateway Motorway intersection upgrade</li> <li>38 North Stradbroke Island (Minjerrabah) Economic Transition Strategy</li> </ul> | <ul style="list-style-type: none"> <li>39 Capalaba District Junior Rugby League Football Club</li> <li>40 Nursery Road State School</li> <li>41 Mansfield schools' package</li> <li>42 Centenary Motorway – Sumners Road</li> <li>43 Queen Elizabeth II Jubilee Hospital upgrades</li> <li>44 Coopers Plains rail level crossing</li> <li>45 Victoria Point State High School</li> <li>46 Mount Cotton State School</li> <li>47 Pallara State School</li> <li>48 Homelessness services</li> <li>49 Social housing</li> <li>50 Cleveland-Redland Bay Road duplication</li> </ul> |
|--|---|---|---|

\*Queensland Government Statistician's Office, Queensland Treasury, Queensland Regional Profiles, Resident Profile for Custom regions.

## Gateway Upgrade North

The \$1.143 billion Gateway Upgrade North project was commissioned in March 2019 after more than six million hours of construction, and the generation of more than 1000 jobs. The project was jointly funded with \$914.18 million from the Australian Government and \$228.54 million from the state government on a 80:20 split.

This critical transport corridor is used by more than 83,000 vehicles each day. It was upgraded from four to six lanes between the northern Brisbane suburbs of Nudgee and Deagon to relieve congestion, and improve safety and travel times on one of Queensland's busiest motorways. The project has improved connectivity to the local road network, and increased freight vehicle capacity and efficiency to the Port of Brisbane, the Australia Trade Coast industrial area and Brisbane Airport.

A new off-road shared pedestrian and cycle path was also built along the length of the project. It connects to the nearby active transport network, including the Jim Soorley Bikeway at Nudgee and the Deagon Deviation Bikeway at Bracken Ridge, to provide safe connections for pedestrians and bike riders on the Brisbane's northside.

The project minimised the environmental footprint, particularly on sensitive ecosystems like the Deagon Wetlands. It was the first Queensland motorway to be awarded a design rating of "Excellence" by the Infrastructure Sustainability Council of Australia. The rating reflects the project's sustainability achievements in terms of how it was managed, used construction materials, controlled pollution, protected ecology, delivered community benefits and incorporated innovation.



Gateway Upgrade North

# Creating opportunities

## Our diverse communities and needs

Queensland is a vast and economically diverse state, covering an area of 1,727,000 square kilometres. The right infrastructure improves liveability and resilience, and supports ongoing economic development. Infrastructure solutions are designed to respond to the different requirements of each region, though delivery can be complex due to Queensland's geography and the distribution of population and industries.

Regional Queensland continues to contribute strongly to the state's economic growth. Well-located infrastructure, supported by local communities, provides connections to emerging industries and trade partners to assist in creating the right conditions for growth, prosperity and an enviable lifestyle. Building on the strengths of each region will enhance community vibrancy and prosperity from Coolangatta out to Birdsville and up to Thursday Island.

Queensland also needs well-designed infrastructure that is resilient when extreme weather such as floods, tropical cyclones and droughts occur, to reduce the impact of these events on communities.

The highest proportion of Queensland's population lives in the **south-east corner**. As such, it continues to need region-shaping infrastructure to enhance liveability. The government is investing in projects like Cross River Rail, key road corridor upgrades, health facilities and education resources, as more people make SEQ their home.

Many **coastal areas** are expanding and require infrastructure that meets the needs of growing communities. Reliable emergency services, safe drinking water and affordable power are critical, while arts and cultural infrastructure and recreational areas showcase Queensland's world-heritage natural environment and drive tourism, and community spirit.

Major ports located in the state's coastal cities are also key export hubs that link Queensland's regions with international markets. Ensuring ports can process the state's agricultural, manufacturing and resource exports is vital to creating business opportunities, supporting jobs and enhancing regional economies.

The prosperity of the state's **western and remote communities** is heavily influenced by distance. Rural, remote and Indigenous communities need infrastructure that improves liveability and a sense of belonging, while ensuring connectivity so that agricultural commodities and resources can quickly and safely reach their markets. Moving people and freight efficiently supports growth and strengthens connections between regions and export hubs.

While each region is unique, all communities require access to high-quality, universal education, health and social services, efficient transport corridors, emergency services and essential utilities such as water and power at affordable prices. The government will continue to make deliberate choices to invest in the right infrastructure to meet the needs of Queenslanders, wherever they live.



Artist's impression of the Centre of Contemporary Arts, Cairns



## Building strong Queensland regions

**Strong regional economies that have strategic advantages in sectors including agriculture, resources and tourism support a network of vibrant town centres across Queensland. The government is working with regional councils and communities to upgrade existing infrastructure and plan for new facilities that support business, investment, employment and lifestyle across the state. A focus on innovation and digital solutions will assist in creating the right conditions for growth, prosperity and an enviable lifestyle.**

Works for Queensland, Building our Regions and the Local Government Grants and Subsidies Program provides funding for infrastructure in regional areas.

### Works for Queensland

The Works for Queensland program supports regional councils to carry out job-creating maintenance works and minor infrastructure projects that improve the condition and extend the lifespan of assets, providing benefits to local communities. An additional \$200 million was provided to extend the Works for Queensland program through to 2020–21, bringing the total program budget to \$600 million since 2016.

From 2016–2019, the program funded more than 1350 projects, including community facility upgrades to bike paths, boardwalks and swimming pools.

More than 500 new projects have been approved for 2019–21, with the key objective of sustaining jobs to develop strong regions.

### Building our Regions

Building our Regions is a \$515 million targeted regional infrastructure program for local government projects. \$150 million of these funds are being distributed through the Transport Infrastructure Development Scheme. The \$365 million Building our Regions competitive funding program supports infrastructure projects in regional communities, which create flow-on economic development opportunities and jobs. Local governments must prepare applications that demonstrate projects will deliver real economic benefits.

To date, the Building our Regions program has approved 223 projects across 66 councils for projects as diverse as waste, water and sewerage, to tourism, airport upgrades and flood mitigation. The \$70 million funding for round five aims to deliver job-creating infrastructure in regional communities to improve liveability and economic conditions.

### Local Government Grants and Subsidies Program

The Local Government Grants and Subsidies Program provides funding to local governments to support the delivery of priority infrastructure and essential services that meet the needs of their communities. More than \$59.187 million has been approved for 2019–21, with the projects to be delivered over two financial years and be completed by June 2021.



*Port of Gladstone industrial estate*

## Opportunities and challenges

The Queensland Government is committed to **cultivating an environment that supports jobs growth, encourages business and industry to invest, expand and enter new markets, and leverages technology and innovation to drive productivity.**

Infrastructure is a driver for transformative change, improving quality-of-life for communities across the state. The government is working closely with its federal and local counterparts to identify priorities, secure critical funding and improve the planning and delivery of projects. Meeting the state's infrastructure needs now will ensure the Queensland economy is sustainable and robust into the future.

### Making the most of existing infrastructure

The government is entrusted with making smart choices about the use of the state's resources and investment decisions must be made. The government's commitment to finding innovative ways to use and re-use existing infrastructure means building new is not always necessary. An upgrade, extension, refurbishment and even maintenance can deliver productivity, liveability and connectivity benefits. Investing in smarter infrastructure also helps to derive greater value from existing facilities.

### Big benefits from going small

While large-scale projects like North Queensland Stadium and the Toowoomba Second Range Crossing are critical to the state's long-term prosperity, smaller projects are also important, especially in regional areas. Those delivered under Works for Queensland need comparatively less time to plan and deliver.

These projects, together with ongoing maintenance programs, help maintain a steady flow of work to support small and medium-size businesses and local employment, contributing to the economic resilience and liveability of communities.

### Disaster resilience

A record 11 natural disasters struck Queensland over the summer of 2018–19. This takes the state's total to 84 since the establishment of the Queensland Reconstruction Authority in 2011, with a reconstruction bill of more than \$15 billion.

North Queensland has been hampered by severe flooding and late-forming cyclones over the past 12 months, while bushfires threatened communities in Wide Bay, Mareeba, the Tablelands, Redlands and Rockhampton. Queensland is likely to be exposed to more intense rainfall, flooding, storms and cyclones in the future, exposing previously unaffected communities to new challenges.



*During Tropical Cyclone Debbie in April 2017, a contraflow arrangement was implemented on the Bruce Highway at the Fitzroy River crossing*

The Queensland Government is committed to reducing the impact of natural and human-initiated disasters. The *Queensland Strategy for Disaster Resilience 2017* was updated following its initial release in 2014 and now aligns with international best-practice.

The Queensland Disaster Resilience Fund helps to deliver resilience and mitigation projects across the state to ensure infrastructure and communities are protected against future events. Several key transport routes, including the Bruce Highway, have already been upgraded in Central and North Queensland to reduce the impacts caused by cyclones and major flooding.

## Climate change

About 11 per cent of Queensland's total annual emissions come from the construction of public and private infrastructure. Adapting infrastructure to be resilient to the changing climate and supporting the transition to a zero net emissions economy is a growing challenge.

Incorporating energy efficiency into new constructions is more cost-effective than retrofitting existing buildings. By influencing supply chains, the Queensland Government can help reduce infrastructure emissions in line with the *Queensland Climate Transition Strategy* targets of 30 per cent below 2005 levels by 2030, and zero net emissions by 2050.

All state government projects valued at more than \$100 million now include a sustainability assessment in accordance with the Infrastructure Sustainability Council of Australia's Infrastructure Sustainability Rating Scheme or the Green Building Council of Australia's green star rating tool.

## Skills of the future

The fourth industrial revolution, also known as Industry 4.0, is advancing the connection between the physical world and digital capabilities. Robotics, artificial intelligence, machine learning, autonomous vehicles and other technologies have resulted in increasing productivity across many sectors.

Industry and the public sector are continuing to transform the way business is done as digital technologies evolve and new ones emerge. The Queensland Government has demonstrated its commitment to these new processes through the rollout of building information modelling (BIM), encouraging the adoption of advanced manufacturing and by leading the development of Australia's biofutures industry.

New technologies offer exciting opportunities for public and private enterprises, but also requires changes to business practices. Access to specialist training, and cross and up-skilling have all been identified as priorities for companies to adjust to these transformations. To remain competitive, industry needs to attract talented workers from different sectors and other jurisdictions, plan strategically for talent, and update practices to appeal to a more diverse workforce.



COHORT shared office space, Gold Coast



# Creating opportunities

## Boosting growth industries

### Tourism

Queensland's growing \$25 billion tourism industry is an important driver of the state's economy, sustaining regional communities and supporting 217,000 Queensland jobs.

Continual investment in modern, high-quality infrastructure is essential to providing visitors with a seamless experience and ensuring the ongoing success of the visitor economy. New and existing airport, rail, road and marine infrastructure is critical to improving access to and within regional destinations.

Sports, arts and convention facilities support regional tourism growth by offering opportunities for small and large-scale events, as well as providing social and community benefits.

The digital literacy of Queensland's key international visitors and their increasing preference for disruptive technologies requires reliable digital infrastructure.

The *Advancing Tourism 2016–20: Growing Queensland Jobs* strategy is focussed on developing sustainable and innovative tourism products, and building the skills and size of the workforce in order to meet anticipated visitor growth.

The Queensland Government's record ongoing \$138.8 million investment in new and improved tourism infrastructure is enabling new experiences across the state.

This commitment includes:

- ▶ \$50 million to rejuvenate Great Barrier Reef islands, of which \$25 million is allocated for building common-user infrastructure on Great Keppel Island
- ▶ \$38.6 million for the Attracting Tourism Fund to invest in new products, experiences or infrastructure
- ▶ \$36 million for the Growing Tourism Infrastructure Fund to deliver new infrastructure and develop tourism business capabilities. These projects will boost Queensland's profile in key markets, facilitating tourism growth
- ▶ \$10 million for the Outback Tourism Infrastructure Fund to fund opportunities in the outback
- ▶ \$2.2 million for the refurbishment of the Australian Workers Heritage Centre to include a café, retail outlet, children's activity area, restroom facilities, disabled parking and environmental utilities
- ▶ \$2 million to develop the Museum of Underwater Art, a tourist attraction that includes underwater statues at marine sites near Townsville.

Additionally, the government is investing \$24.75 million to implement key actions from the *North Stradbroke Island Economic Transition Strategy*, which includes plans to increase domestic and international tourism through new infrastructure following the phasing out of sand mining.



North Stradbroke Island

## SEQ City Deal

As one of the fastest growing regions in Australia, South East Queensland (SEQ) is experiencing significant change. By 2041, the region is expected to accommodate an additional 1.9 million residents, almost 800,000 new homes and support one million additional jobs. By working together, all three levels of government can better ensure SEQ gets better, not just bigger, and produces shared benefits for the local community, state and the country.

In March 2019, the Australian and Queensland governments and Council of Mayors (SEQ) signed a statement of intent to agree to work together to design and implement the SEQ City Deal. It commits all three levels of government to a 20-year city deal that will provide the platform to deliver 'one region that is connected locally and competing globally'. The statement of intent was predicated by the release of *TransformingSEQ* in February 2019, the Queensland Government and Council of Mayors' (SEQ) joint proposition for the SEQ City Deal.

Priority areas for the SEQ City Deal include:

- ▶ better transport to support liveability and productivity in communities
- ▶ more high-value jobs and private-sector investment, including a new east-west Trade and Enterprise Spine to support employment opportunities in some of the fastest growing communities, such as Logan and Ipswich
- ▶ a focus on enhancing each region's lifestyle and liveability, with better places and spaces
- ▶ sustainable and inclusive growth, with greater housing choice, community-enabling infrastructure, and better access to jobs and services
- ▶ a focus on establishing SEQ as a leading Smart Digital Region and promoting regional digital connectivity
- ▶ improved governance and greater coordination across the three levels of government.

Upon signing, which is anticipated for mid-2020, the SEQ City Deal will become the largest in the country, in terms of both population and geographic scale.



Artist's impression of SunCentral Maroochydney Pty Ltd

# Creating opportunities

## Resource recovery

The government is committed to reducing the amount of waste Queensland generates. It recognises the importance of diverting refuse away from landfill, decreasing stockpiling and recycling resources for valuable new uses. A levy was introduced on 1 July 2019 to encourage a reduction in the amount of waste that goes to landfill and to promote waste avoidance.

The Resource Recovery Industry Development Program was established in September 2018 to progress development in these industries, including biofutures. The Queensland Government has allocated \$100 million over three years to enhance and expand existing facilities, and bring innovative new services to the state. This transformation will make Queensland a world leader in resource recovery, with communities across the state to benefit from the economic and employment opportunities.

Maximising the recovery of construction materials used in building and infrastructure projects is pivotal to conserving resources. Construction and demolition waste comprised almost half of all headline waste in 2017–2018 and weighed about 5.3 million tonnes.

## Renewable energy

The Queensland Government is committed to transitioning to a low-carbon energy future through the following actions:

- ▶ achieving a 50 per cent renewable energy target by 2030
- ▶ maintaining affordability and security during the transition to renewable energy generation
- ▶ establishing new government-owned generator CleanCo to deliver 1000 MW of renewable energy capacity by 2025
- ▶ improving large-scale project facilitation, planning and network connections
- ▶ continuing to advocate for stable and integrated national climate and energy policies.

Queensland is experiencing unprecedented renewable energy activity. A snapshot of these renewable energy projects is shown on page 41. The Queensland Government is continuing to actively facilitate private sector investment in renewable energy and storage capacity. Projects such as the \$450 million Dulacca Renewable Energy project, located 250 kilometres north west of Toowoomba, may produce 240 MW of wind power and 70 MW of solar power for the Western Downs, and support 450 jobs during construction.



Gladstone Biofutures Pilot Refinery



## Renewable energy in Queensland

Renewable energy sources can be replenished naturally and used to produce electricity with minimal or nil net greenhouse gas emissions. Queensland is well placed to develop its renewable energy industry with high-quality renewable resources. The Queensland Government has committed to a 50 per cent renewable energy target by 2030.

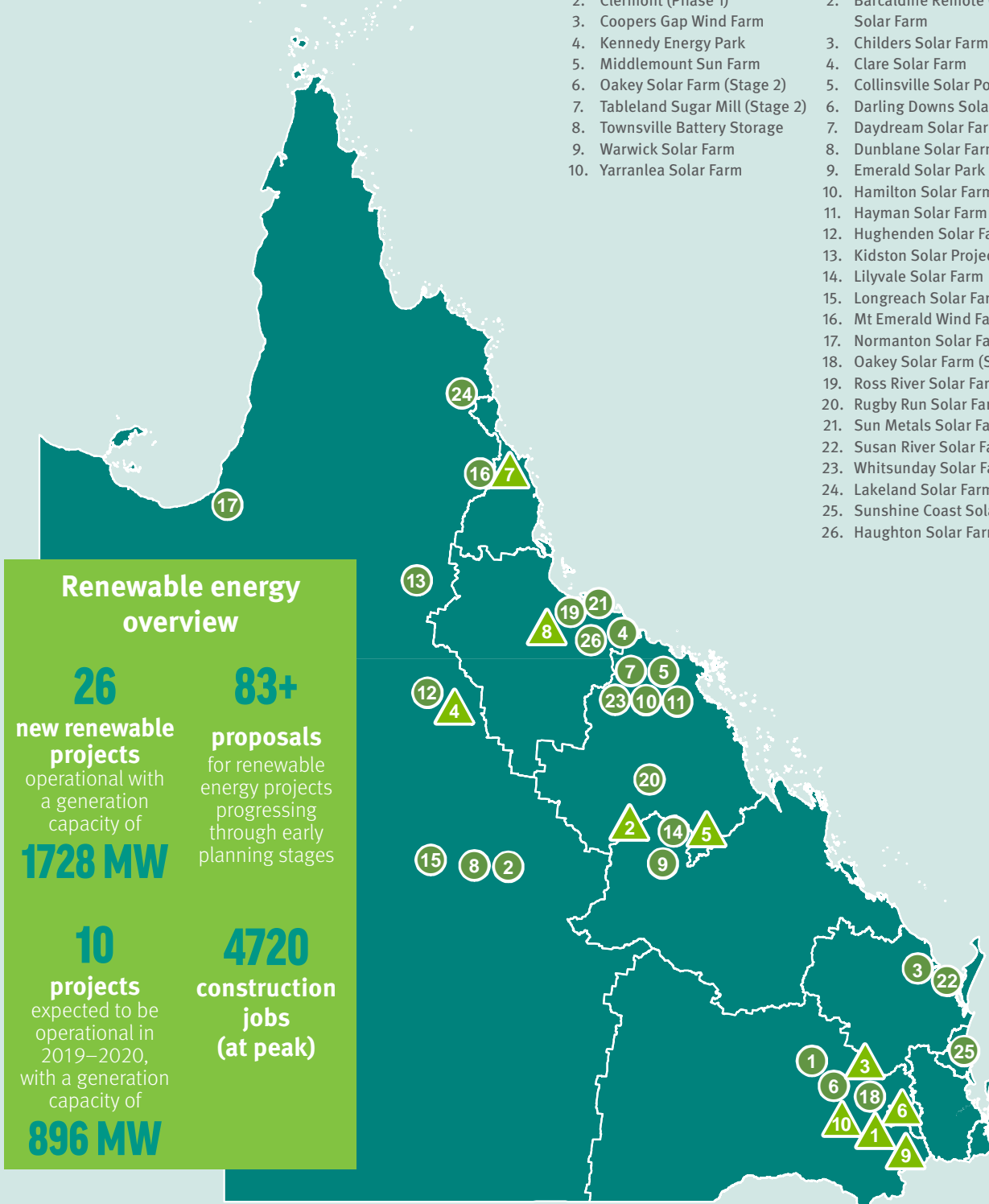
Since January 2016, 36 large-scale renewable energy projects spanning solar, wind, storage and biomass technologies have been committed to, or commenced operations, across Queensland (Figure 1).

### ▲ Committed project

1. Brigalow Solar Farm
2. Clermont (Phase 1)
3. Coopers Gap Wind Farm
4. Kennedy Energy Park
5. Middlemount Sun Farm
6. Oakey Solar Farm (Stage 2)
7. Tableland Sugar Mill (Stage 2)
8. Townsville Battery Storage
9. Warwick Solar Farm
10. Yarranlea Solar Farm

### ● Operational projects

1. Baking Board Solar Farm
2. Barcardine Remote Community Solar Farm
3. Childers Solar Farm
4. Clare Solar Farm
5. Collinsville Solar Power Station
6. Darling Downs Solar Farm
7. Daydream Solar Farm
8. Dunblane Solar Farm
9. Emerald Solar Park
10. Hamilton Solar Farm
11. Hayman Solar Farm
12. Hughenden Solar Farm
13. Kidston Solar Project (Stage 1)
14. Lilyvale Solar Farm
15. Longreach Solar Farm
16. Mt Emerald Wind Farm
17. Normanton Solar Farm
18. Oakey Solar Farm (Stage 1)
19. Ross River Solar Farm
20. Rugby Run Solar Farm (Stage 1)
21. Sun Metals Solar Farm
22. Susan River Solar Farm
23. Whitsunday Solar Farm
24. Lakeland Solar Farm
25. Sunshine Coast Solar Farm
26. Houghton Solar Farm (Stage 1)



### Renewable energy overview

**26**  
new renewable projects  
operational with a generation capacity of  
**1728 MW**

**83+**  
proposals  
for renewable energy projects progressing through early planning stages

**10**  
projects  
expected to be operational in 2019–2020, with a generation capacity of  
**896 MW**

**4720**  
construction jobs  
(at peak)

Figure 1: Large-scale committed and operational projects (solar, wind and biomass)  
Note: Information correct as at 9 June 2019.

# Creating opportunities

## Cross River Rail

**Cross River Rail – Brisbane’s new underground – is a critical infrastructure project that will transform the whole of SEQ’s public transport system.**

The project will unlock the bottleneck that occurs at the core of the SEQ rail network, where trains are limited to either travel over the Merivale Bridge or through existing CBD stations. Cross River Rail will increase the network’s capacity, allowing more trains to run more often and enabling a turn-up-and-go public transport network.

Connectivity improvements with other public transport and the addition of capacity for 18,000 extra seats into Brisbane during the morning peak will also ease congestion on key arterial roads, as more people choose to travel by rail.

The new 10.2-kilometre rail line will run from Dutton Park to Bowen Hills, and will include twin 5.9-kilometre tunnels under the Brisbane River and CBD.

The four new underground, high-capacity stations at Boggo Road, Woolloongabba and Albert and Roma streets will generate unique opportunities for urban renewal, economic development, revitalisation and employment.

Cross River Rail will also deliver upgrades to eight above-ground stations, including Salisbury, Rocklea, Moorooka, Yeerongpilly, Yeronga, Fairfield, Dutton Park and Exhibition, which will provide daily services to the high-growth local area.

Substantial progress has already been made on Cross River Rail, which will also trigger decades of further economic investment that will benefit the entire state.

At Roma Street, the Brisbane Transit Centre will be demolished to make way for the new integrated station. The busway interchange will undergo a transformation to create a seamless connection to Cross River Rail. Cross River Rail is a transformational project that will improve quality-of-life, generate thousands of jobs and activate urban development across SEQ.

### Major contracts

Cross River Rail is being delivered in partnership with the private sector through three major packages of work. The Queensland Government announced in April 2019 the world-class consortia selected to deliver these packages of work.

- ▶ Pulse – led by the CIMIC Group and including Pacific Partnerships, CPB Contractors, UGL, BAM, Ghella and DIF – will deliver the Tunnel, Stations and Development (TSD) public-private partnership, which incorporates the underground section of the project.
- ▶ Unity Alliance – including CPB Contractors, UGL, Jacobs Group and AECOM Australia – will deliver the Rail, Integration and Systems (RIS) alliance, which includes the design, supply and installation of the supporting rail systems and integration of Cross River Rail into the existing network.
- ▶ Hitachi Rail STS will deliver the European Train Control System (ETCS) contract, which will allow the SEQ rail network to work harder and smarter, improving capacity on the busy inner-city network.

### Jobs

The project will support an average of 1500 jobs each year over the construction period, and up to 3000 jobs in the most intensive year. It will generate 450 new apprentice and traineeship opportunities for aspiring builders, electricians, welders and specialists.



## New Gold Coast stations

The Queensland Government will deliver three new Gold Coast train stations at Pimpama, Helensvale North and Worongary/Merrimac.

These stations will service the region's growing population and help ease congestion on key arterial roads, including the M1.

The Cross River Rail Delivery Authority is working with the Department of Transport and Main Roads to scope the planning, undertake passenger demand modelling and develop concept designs for the new rail infrastructure.

## Early works

An extensive program of early works is underway along the Cross River Rail corridor before heavy construction begins.

Underground geotechnical investigations have been conducted to inform the construction and alignment of the new stations. Subsurface testing has been undertaken to better understand what pre-existing infrastructure is below ground.

The demolition of three government buildings – GoPrint, Landcentre and the old South Brisbane Dental Hospital – at the site of the new Woolloongabba station is already complete. This site will be the staging area for the tunnel boring machines that will drill the twin tunnels under the river.

## More trains, more often

*With Cross River Rail, passengers travelling on the following lines could benefit from increases, such as those below, by 2036:*

### Gold Coast Line

- ▶ a train approximately every five minutes\*
- ▶ an extra 3150 seats

### Beenleigh line (from Loganlea station)

- ▶ a train approximately every six minutes\*
- ▶ an extra 2700 seats

### Nambour line (from Nambour)

- ▶ a train approximately every 15 minutes\*
- ▶ an extra 450 seats

### Caboolture line

- ▶ a train approximately every five minutes\*
- ▶ an extra 1800 seats

### Redcliffe Peninsula line

- ▶ a train approximately every five minutes\*
- ▶ an extra 1800 seats

### Ipswich Rosewood line (from Rosewood station)

- ▶ a train approximately every 15 minutes\*
- ▶ an extra 900 seats

### Ipswich line (from Ipswich station)

- ▶ a train approximately every five minutes\*
- ▶ an extra 1800 seats

### Springfield line

- ▶ a train approximately every five minutes\*
- ▶ an extra 1800 seats

### Shorncliffe line

- ▶ a train approximately every 7.5 minutes\*
- ▶ an extra 1350 seats

### Cleveland line (from Cleveland station)

- ▶ a train approximately every 15 minutes\*
- ▶ an extra 450 seats

### Cleveland line (from Manly station)

- ▶ a train approximately every 5.5 minutes\*
- ▶ an extra 1800 seats

*\*on average inbound to Brisbane in the morning peak*





# Creating opportunities

## Facilitating development

The infrastructure investment decisions made today will have a significant and lasting impact on Queensland's economy and society. The government works closely with the private sector to shape the state's complex infrastructure environment and to plan, fund and deliver infrastructure.

The private sector plays a key role in solving challenges and creating opportunities to drive Queensland's economy, ensuring there is a highly-skilled and adaptable workforce ready to deliver Queensland's infrastructure pipeline.

### The Coordinator-General

The Coordinator-General administers the *State Development and Public Works Organisation Act (1971)*, and has wide-ranging powers to deliver major projects to increase economic development and job creation across Queensland. The Coordinator-General also administers the *Strong and Sustainable Resource Communities Act (2017)*. The Coordinator-General uses a hands-on approach to facilitate the delivery of major projects, including fast-tracking and streamlining assessment processes.

During 2018–19 there were seven new coordinated projects declared. Four major projects were approved, including the Lake Macdonald Dam safety upgrade, Kidston Pumped Storage Hydro, Olive Downs and China Stone Coal. Two of these projects made use of the new streamlined impact assessment report process, an alternative to the environmental impact statement. Kidston was the fastest ever assessment of a coordinated project, taking only six months.



Figure 2: Coordinator-General project overview



Rockhampton Hospital car park

## Isaac Plains Mining Complex

The Isaac Plains Mining Complex recommenced open-cut mining operations in 2015. The mine is expected to produce approximately 2 to 2.5 million tonnes per annum (mtpa) of coking coal for export and use in steel-making over the next eight years, ensuring the ongoing viability of the site and the 220 people employed at the mine.

There is the potential for an underground coal mine to be operated from an existing open-cut pit, which would produce approximately 1.2 mtpa coking coal over 10 years and result in an additional 140 jobs at the complex. The timing of the underground mine is subject to the availability of additional port capacity.

There is also a proposal to develop the Isaac Downs Project, an open-cut coking coal mine that is expected to produce approximately 35 million tonnes

over 16 years. It would support stable employment and economic opportunities in Moranbah and the region, by extending the life of the complex. The project would limit its footprint by utilising the company's existing coal processing plant and rail infrastructure, which links the mine to the Dalrymple Bay Coal Terminal.

If the project is approved, approximately 250 people will be employed during construction and 300 during operations. In addition, there will be opportunities for local employment in construction, transport and the supply of goods and services.

The Coordinator-General has assisted the company in obtaining environmental authority amendments, mining leases and navigating agency approvals.

## Olive Downs coking coal mine

The Coordinator-General approved the \$1 billion Olive Downs coking coal mine in the Bowen Basin in May 2019.

The project is expected to create an average of 500 full-time equivalent jobs during construction, and up to 1000 positions per year over its 79-year lifespan.

In the Environmental Impact Statement, the proponent stated the maximum percentage of the fly-in, fly-out workforce would be 75 per cent during construction and 50 per cent during operations. Workers will be encouraged to live in nearby local towns like Moranbah, Nebo, Dysart and Middlemount, to ensure regional communities receive flow-on benefits from the project.

There will also be significant opportunities for local and regional suppliers, contractors, service providers and businesses. Olive Downs could inject up to \$8 billion into these local economies and \$10 billion into Queensland once it is up and running.

The mine is expected to produce up to 15 million tonnes of coal per year, up to 90 per cent of which will be metallurgical coal. Metallurgical or coking coal is used to make steel, which is used widely in the automotive, construction and manufacturing sectors, as well as in everyday items like motor vehicles, toasters, fridges and bridges.

The Coordinator-General approved the project subject to a wide range of conditions, in a bid to mitigate impacts on the environment and nearby regional communities.

# Creating opportunities

## Economic Development Queensland

Economic Development Queensland (EDQ) is a specialist government land-use planning and property development unit operating under the *Economic Development Act 2012*. It has wide-ranging powers to facilitate development for economic and community purposes, and manages a large property portfolio on behalf of the Queensland Government that has been repurposed for predominately commercial, residential and community uses.

Through planning powers under the Act, as well as its development expertise, EDQ works to achieve the best outcome from these land holdings, including the delivery of catalytic infrastructure to enable development. EDQ is also responsible for planning within a declared Priority Development Area (PDA).

Some recent examples include:

- ▶ Executing a \$1.2 billion infrastructure agreement between the state government, Logan City Council and nine developers to deliver essential road, water and wastewater infrastructure in the Greater Flagstone and Yarrabilba PDAs.
- ▶ Repurposing existing infrastructure from the 2018 Gold Coast Commonwealth Games into a new co-working space within the Gold Coast Health and Knowledge Precinct.
- ▶ Delivering community infrastructure across a number of PDAs, including the \$10 million Hercules Park at Northshore and the \$6.5 million sport and recreation precinct at the Carseldine Urban Village.

## Greater Flagstone and Yarrabilba Priority Development Areas

The Greater Flagstone and Yarrabilba PDAs represent a substantial portion of the new housing needed over the next decade to accommodate SEQ's expected population growth.

These greenfield PDAs will one day be home to 200,000 residents. New communities of this scale create significant challenges for the delivery of infrastructure necessary for affordable living and quality of life.

The Queensland Government, Logan City Council, nine major landowners and developers finalised a \$1.2 billion Sub-Regional Infrastructure Agreement for the PDAs in May 2019. This is the largest infrastructure agreement of its type to be executed by any government in Australia, and will secure the needs of these communities over the next 45 years.

The agreement provides a funding framework to progressively deliver essential services such as water, sewers and roads to support development and connect residents to surrounding communities. There will be up to \$400 million in infrastructure investment over the next six years alone, which will support more than 130 construction jobs each year.

Significant funding has already been committed to deliver infrastructure within these PDAs, including:

- ▶ \$5 million for the construction of the Homestead Drive Bridge across the Brisbane to Sydney railway line, to connect 7500 future residents to Flagstone City Centre
- ▶ \$10.07 million in upgrades along key roads to ensure car, bus, pedestrian and cycle access into and throughout Greater Flagstone and Yarrabilba
- ▶ \$4.25 million for the construction of the Travis Road Reservoir to provide water supply for up to 20,000 homes in Yarrabilba
- ▶ \$40 million towards stage one of a state-of-the-art wastewater treatment plant near Cedar Grove
- ▶ \$19.6 million for subsidised public transport over 10 years
- ▶ the construction of state and private schools, community facilities such as fire, police and ambulance stations, and health facilities.



## Herston Quarter – Queensland’s largest health redevelopment project

A \$1.1 billion plan to redevelop the heritage precinct within Brisbane’s Herston Quarter was lodged with EDQ in February 2019. It includes the restoration and revitalisation of the Edith Cavell and Lady Norman structures, as well as the iconic Lady Lamington buildings previously used as student nursing accommodation. Herston Square will be revitalised as the heart of the heritage precinct. Following approval, redevelopment is expected to start in the second half of 2019.

The Herston Quarter redevelopment also includes the construction of a \$370 million Surgical, Treatment and Rehabilitation Service (STARS) facility. Since building works started in May 2018, the southern structure of the 184-bed specialist

public health facility has reached its full height and the northern structure is on track to reach the same milestone in the third quarter of 2019. Construction of the nine-level facility is due to be complete in late 2020. STARS is being delivered as a public-private partnership leasing arrangement.

Future stages of Herston Quarter include a private hospital, aged care and retirement living, a multi-storey car park and additional public realm. Metro North Hospital and Health Service has partnered with the private sector to deliver Herston Quarter.



*Construction of the Surgical, Treatment and Rehabilitation Services building at Herston*

# Creating opportunities

## Enabling investment

During the past five years, the Queensland Government has laid the foundations to encourage and enable investment across the state. Taking steps to diversify the economy through priority sectors, including defence industries, biofutures and renewable energy, is leading to investment opportunities and economic growth.

Ensuring the right infrastructure is available at the right time and in the right places around the state will help industries grow, enable investment, and is critical to Queensland's economic prosperity.

### Biofutures

The government sees the biofutures industry as a major opportunity to diversify the Queensland economy. Through the *Advance Queensland Biofutures 10-Year Roadmap and Action Plan*, it is working in partnership with the state's world-leading agriculture, waste and research sectors to turn biotechnology and bioproducts into a \$1 billion industry, creating jobs around the state.

#### Gladstone pilot biorefinery

A biorefinery that will trial the production of jet fuel and diesel from agricultural and forestry waste is set to be piloted in Gladstone. A detailed design has been completed, with construction anticipated to start in 2020.

New biotechnology has been developed to produce cost-effective drop-in biofuels and biochemicals from non-food feedstocks, such as sugarcane waste, all without directly producing a CO<sub>2</sub> by-product.

The pilot biorefinery will provide employment for about 30 people during the three-month trial. If successful, there are plans to build a larger plant and scale-up production to four tonnes of renewable diesel and jet fuel daily, potentially attracting a combined investment value of \$11 million and creating an estimated 50 jobs.



*The finished product of an international-standard base oil created from a waste product*



## Australia's most advanced military vehicle manufacturing facility

A \$170 million Military Vehicle Centre of Excellence (MILVEHCOE) is being built at Ipswich, as part of a long-term partnership with the state government. Once complete, it will be the most state-of-the-art facility of its kind in Australia.

Its location in the suburb of Redbank positions it in the heart of the country's largest heavy vehicle manufacturing and sustainment precinct. The facility will design and manufacture vehicles, turrets, armour, electro-optics, electronics, simulation and other advanced systems. It will feature:

- ▶ manufacturing, electronics and administration buildings
- ▶ a corporate training centre
- ▶ an indoor weapons test firing tunnel
- ▶ an electromagnetic compatibility chamber
- ▶ an outdoor vehicle test track.

The MILVEHCOE centre will deliver phase two of the Department of Defence's \$5.2 billion LAND 400 project to build 211 Boxer combat reconnaissance vehicles for the Australian Army. It will also manage the integration of 1000 logistics trucks as part of the LAND 121 (Phase 5B) contract, as well as other projects.

MILVEHCOE is expected to create 450 highly-skilled jobs for Queenslanders in the first 10 years and contribute more than \$1 billion to the state's economy. The public-private partnership will also endeavour to maximise domestic and export supply chain opportunities for local industry.



*Artist's impression of the Military Vehicle Centre of Excellence*



# Creating opportunities

## Brisbane International Cruise Terminal

The Queensland Government and Port of Brisbane reached an agreement in October 2017 to build the Brisbane International Cruise Terminal on state-owned land at Luggage Point.

The \$158 million project will deliver a dedicated cruise facility that will be able to accommodate the largest ocean-faring liners in the world.

The Brisbane International Cruise Terminal is a major piece of tourism infrastructure. It will facilitate the expansion of Queensland's cruise tourism industry by bringing more visitors to the state and encouraging additional investment.

Within 20 years, the terminal has the potential to more than triple Brisbane's cruise industry to support up to 3750 jobs, bring more than 750,000 visitors annually and contribute \$1.3 billion in net expenditure to the Brisbane economy.

The project is likely to support an average of 245 jobs per annum during the two-year construction period. The terminal is also predicted to add 49 jobs on average per year over 20 years, safeguarding existing jobs related to Brisbane's cruise industry.

The Brisbane International Cruise Terminal will handle more than 1100 vessel calls and about 1.8 million passengers during its first five years of operation. The market has already responded positively to news of its construction, with more than 180 vessel calls booked for the 2020–21 cruising season. Construction is underway and remains on track for completion by mid-2020.



*Brisbane International Cruise Terminal*

## Queen's Wharf Brisbane

Queen's Wharf Brisbane (QWB) is a \$3.6 billion integrated resort development that will put Brisbane firmly on the map as a global tourism, leisure and entertainment destination. The Destination Brisbane Consortium – supported by the Department of Innovation, Tourism Industry Development and the Commonwealth Games – is responsible for delivering the project.

QWB will feature more than 50 restaurants, cafes and bars to suit every taste and budget. There will also be exciting nightlife and entertainment, local and international retail brands, and four, world-class five and six-star hotels.

The development will provide locals and tourists with more than 12 football fields of public space to enjoy. QWB will transform the Queensland capital into a place that has a diverse mix of new riverfront space. The Waterline Park and Mangrove Walk along the river's edge is due to open in late 2019 and will showcase Indigenous artwork and storytelling. The iconic signature Sky Deck, positioned 100 metres above William Street, will offer 360-degree views of

the river and the city. The Neville Bonner pedestrian bridge will connect QWB to Brisbane's cultural precinct and South Bank Parklands.

There are 11 heritage buildings and places located within the precinct, with the nine heritage buildings being restored and repurposed. The demolition of three non-heritage structures occurred in 2017 for the excavation of land in 2018–19. The biggest building excavation in Queensland resulted in the removal of about 400,000 cubic metres of material. About 90 per cent was recycled, with most going to Brisbane Airport for the new Auto Mall. The development is now moving from excavation to construction. The first two of up to 10 tower cranes were recently erected onsite.

The QWB project will employ more than 2000 workers during peak construction, and more than 8000 once it is operational in late 2022. Once complete, it is expected to bring an additional 1.39 million tourists to Brisbane each year and increase Queensland's annual tourism spend by \$1.69 billion.



*Artist's impression of the Queen's Wharf Brisbane project*

# Creating opportunities

## Building Queensland

The Queensland Government supports the continual improvement of planning practises for major infrastructure projects.

Building Queensland is the government's independent infrastructure advisor. It oversees planning for all major proposals by working closely with departments, government-owned corporations and statutory authorities. Building Queensland leads the development of business cases for infrastructure projects with an estimated capital delivery cost of more than \$100 million, and assists with those between \$50 million and \$100 million. This threshold is higher for road transport projects, with Building Queensland leading business cases for projects over \$500 million. Where there is a toll road, Building Queensland's \$100 million threshold applies.

Building Queensland uses its business case development framework to ensure there is a consistent and rigorous approach taken to government infrastructure proposals.

Its annual *Infrastructure Pipeline Report* provides transparency of the key proposals under development. The report is presented in two parts:

- ▶ Part one identifies priority Queensland Government unfunded infrastructure proposals with a minimum capital cost of \$50 million. Building Queensland advises if these proposals are ready for consideration by government or require further analysis.
- ▶ Part two features Building Queensland-led business cases being funded by the Queensland Government, either in part or in full. The estimated capital cost of delivery is \$100 million or more and is dependent on a detailed analysis confirming the viability of the project.

The latest Building Queensland Infrastructure Pipeline Report can be found at [buildingqueensland.qld.gov.au/pipeline](http://buildingqueensland.qld.gov.au/pipeline).

## State infrastructure pipeline

The state infrastructure pipeline highlights initiatives being planned and delivered across Queensland Government agencies.

The pipeline is the most comprehensive source of information about potential public infrastructure investment in Queensland. It is a key tool for building confidence in the state's future and provides greater clarity for industry and other levels of government.

The state infrastructure pipeline shown in Figure 3 highlights proposals identified in the infrastructure class pipelines that have progressed since the *SIP Part B: Program – 2018 update*.

### Infrastructure class pipelines

Each infrastructure class features a pipeline that brings together agency infrastructure proposals, Building Queensland projects, and the current 1–4 year delivery program.

### State infrastructure pipeline overview

162

proposals in the planning phase of the state infrastructure pipeline

67

new items in the planning phase of the pipeline in 2019

40

items have moved from planning phase to delivery since 2018



## 2019 pipeline highlights

### 1

### PLANNING

#### CONCEPT

- Springfield to Redbank rail extension (N)
- Greater Flagstone PDA – investigation of priority infrastructure requirements (i.e. detailed corridor studies) (N)
- Gateway Motorway – Bracken Ridge to Pine River (N)
- Warrego Highway – Brisbane to Morven (N)
- Cairns CBD to Smithfield Road improvements (N)
- Townsville to Tennant Creek corridor upgrades (N)
- Mount Isa to Rockhampton corridor upgrades (N)
- Cooktown to Weipa corridor upgrades (N)
- Townsville to Roma corridor upgrades (N)
- Cairns to the Northern Territory border corridor upgrades (N)
- Yeppoon Road duplication – Rockhampton to Yeppoon Road (N)
- Gympie Road upgrades (N)
- Mount Lindesay Highway and Beaudesert Road upgrades (N)
- Cunningham Highway – Brisbane to Warwick upgrades (N)
- Investigation of new hydro-electric and pumped storage generation capacity (PE)
- Electricity infrastructure to support increased electric vehicle penetration (N)
- Wyaralong Water Treatment Plant (PE)
- Logan Road, Milesplattling Road, Padstow Road Planning (N)
- Bruce Highway – Townsville Northern Access intersections upgrade project (BC)
- Meadowbrook Health and Education Precinct (N)
- Master Planning in Training in Vurdekin (N)
- Master Planning in Training in Mount Isa (N)
- Master Planning in Training in Mooloolaba (N)
- Master Planning in Training in Caboolture (N)
- Master Planning in Training in Kingaroy (N)
- First Nations Cultural Centre (N)

#### STRATEGIC ASSESSMENT

- Master planning and options analysis in training at Warwick TAFE's renewable energy training facility (N)
- Various strategic assessments to identify educational needs in high-growth areas across Queensland (N)
- Cairns Western Arterial Road – Redlynch Connection Road to Captain Cook Highway
- M1 Pacific Motorway Smart Motorways
- M1 Pacific Motorway – Daisy Hill to Loganholme (N)
- M1 Pacific Motorway – Loganholme to Nerang and Coomera Connector (N)
- Cairns Ambulance Station and Operations Centre redevelopment (N)
- Southport Ambulance Station and Gold Coast Operations Centre redevelopment (N)
- New Yarrabilba Ambulance Station (N)
- M1 Pacific Motorway – Loganholme to Nerang and the Coomera Connector (N)

#### PRELIMINARY EVALUATION

- Centenary Motorway capacity improvements (N)
- Clapham Yard stabling rail depot (N)
- Gold Coast Line infill rail stations (N)
- Bruce Highway – Hay Point Road to Temples Lane duplication (N)
- Gladstone Port Access Road (Stage 2) (N)
- Bruce Highway – Rockhampton Ring Road (N)
- Burdekin Falls Dam supply raising (N)
- Princess Alexandra Hospital rehabilitation, outpatient and ambulatory care precinct
- Rockhampton ambulance station and operations centre refurbishment (N)
- Master planning in training in the Ipswich region (N)
- Master planning in training in northern Brisbane (Eagle Farm) (N)
- Additional primary schooling capacity in inner-west Brisbane (N)
- Master planning in training in northern Brisbane (Bracken Ridge) (N)
- Master planning in training in northern Brisbane (North Lakes) (N)
- Bruce Highway – Cairns Southern Access Corridor (Stage 5) (N)
- Rockhampton Ambulance Station and Operations Centre redevelopment (N)
- Redland Hospital expansion (N)

#### BUSINESS CASE

- Ripley Valley PDA – Binnies Road (West) construction (N)
- Mackay Port Access Road – Mackay Ring Road (Stage 2) (N)
- M1 Pacific Motorway – Exit 41 and Exit 49 (N)
- Linkfield Road overpass duplication (N)
- Develop a business case to consider the Regulatory Investment Test for Transmission (RIT-T) to expand the Queensland and New South Wales interconnection (N)
- Paradise Dam safety improvement program (PE)
- Bundaberg Hospital redevelopment
- Ipswich Hospital expansion (Stage 1A)
- Toowoomba Hospital redevelopment
- Cairns Mental Health Unit
- New ambulance station and local ambulance service at Drayton (N)
- New ambulance station at Urraween (N)
- Kirwan ambulance station replacement (N)
- Mareeba ambulance station replacement (N)
- Training infrastructure revitalisation at Mount Gravatt TAFE (Stage 2) (C)
- Training infrastructure revitalisation at TAFE Cairns (C)
- Additional primary schooling capacity in the Ipswich City Council area (N)
- Additional primary schooling capacity in the Logan City Council area (N)
- Additional special schooling capacity in SEQ (N)
- Additional secondary schooling capacity in SEQ (N)
- Cleveland Youth Detention Centre security systems upgrade (N)
- Cherbourg service and community centre expansion (N)
- Rockhampton Alcohol and Other Drugs Rehabilitation Facility (N)
- Somerset Dam Safety Upgrade (PE)

### 2

### INVESTMENT DECISION

Strategic

Financial and economic

Deliverability

Social and environment

### 3

### DELIVERY

- South East Busway extension to Springwood (BC)
- Yarrabilba PDA – Waterford-Tamborine Road widening and intersection upgrades (C)
- Bruce Highway – Maroochydhore Road interchange upgrade (BC)
- Digitising Public Hospitals (Tranche 4)
- Advancing Our Training Infrastructure (modernisation) (TAFE Gold Coast region sites) (C)
- Advancing Our Training Infrastructure (modernisation) at TAFE Redlands sites (C)
- Modernisation of health training facilities at TAFE Loganlea (PE)
- Modernisation of Health Training Facilities, Caboolture TAFE (PE)
- Advancing Our Training Infrastructure (consolidation and modernisation) at TAFE Pimlico (BC)
- Additional secondary schooling capacity at Yarrabilba (N)
- Additional special schooling capacity at Caboolture (N)
- Additional schooling capacity at Palmview (PE)
- Additional special schooling capacity on the Sunshine Coast (PE)
- Additional secondary schooling capacity at Caloundra South (PE)
- Southern Queensland Correctional Precinct at Gatton (Stage 2) (BC)
- Logan Hospital expansion
- Atherton Hospital redevelopment (N)
- Cairns Southern Corridor Health Precinct (N)
- Roma Hospital redevelopment (N)
- Palm Island Primary Health Care Centre (N)
- Gladstone Hospital Emergency Department (N)
- Blackall Hospital redevelopment (N)
- Adolescent Extended Treatment Centre (N)
- Caboolture Hospital multi-storey car park (N)
- Caboolture Hospital Emergency Department (Stage 1A) (N)
- Caboolture Hospital expansion (N)
- Logan maternity upgrade (N)
- Fraser Coast Inpatient Mental Health Service Enhancement (N)
- Townsville Hospital clinical services redevelopment (N)
- Maryborough Hospital Emergency Departmental and Specialist Outpatients Department (N)
- Nambour General Hospital redevelopment (N)
- Redcliffe Hospital multi-storey car park
- Kingaroy Hospital redevelopment (N)
- Queensland Active Precincts (N)
- Water quality improvements for island-based Indigenous communities (N)
- Bruce Highway – Townsville Northern Access Intersections Upgrade (BC)
- Ipswich Hospital expansion (Stage 1A)

Figure 3: State Infrastructure pipeline highlights

Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.

# Creating opportunities

Figure 4 outlines the SIP planning and prioritisation framework, and identifies the current influences that contribute to the delivery of public and private infrastructure projects.

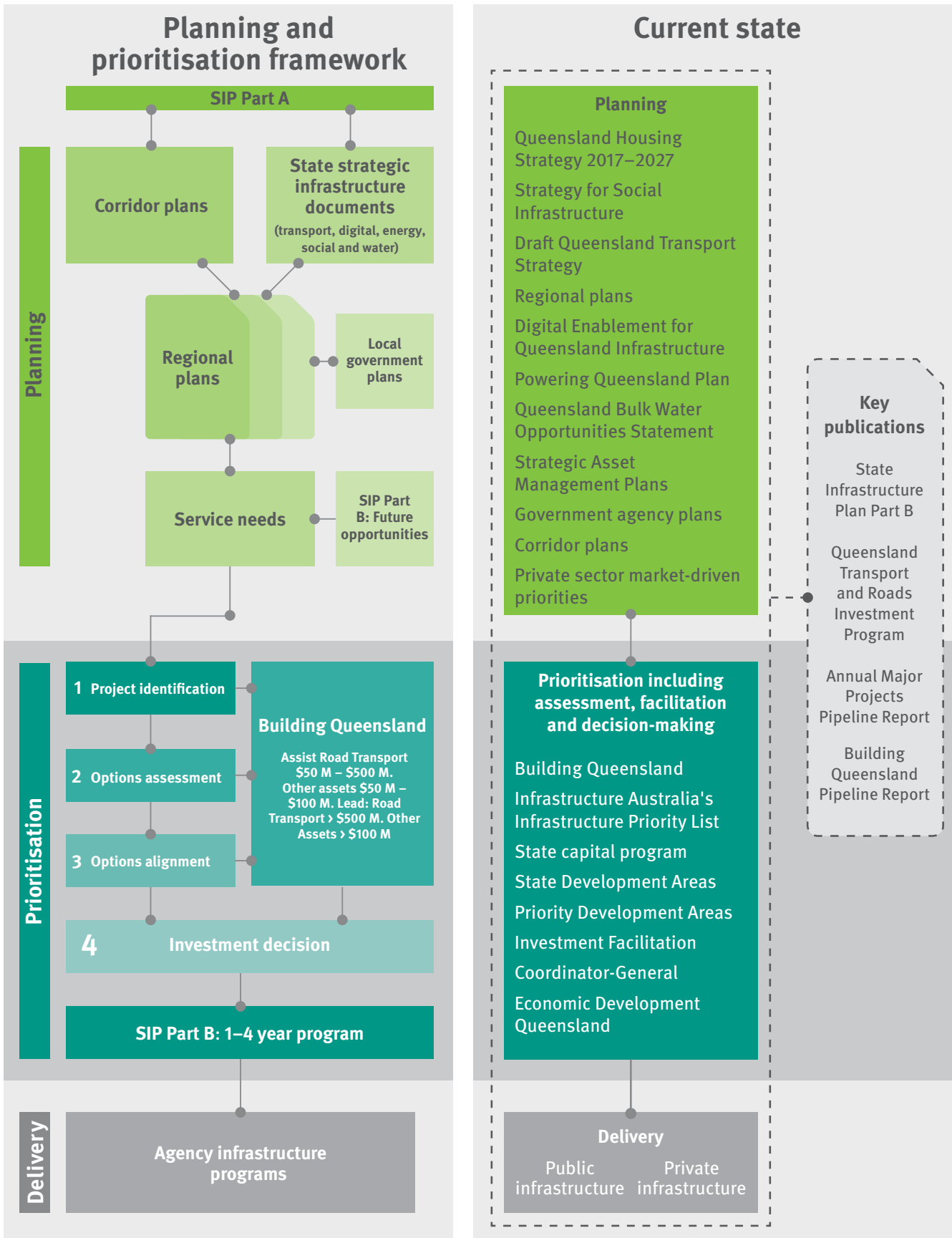


Figure 4: Current state of the planning and prioritisation framework

## Building information modelling

Building Information Modelling (BIM) is the digital representation of physical and functional characteristics of a building, piece of infrastructure or environment. It is a new way of working that enables project teams to collaborate more effectively using a shared digital model. This means everyone on a project contributes information, allowing real-time access to make more accurate decisions.

The Queensland Government released its principles for BIM implementation in November 2018. The principles cover the design, delivery and asset management of government infrastructure projects.

From 1 July 2019, business cases for major projects with an estimated capital cost of \$50 million or more, which progressed through the Building Queensland business case development framework, must use BIM. All government agencies will be required to report annually through the SIP Part B on the progress of BIM implementation across projects.

The technology will be rolled out across all major government infrastructure projects by 2023. BIM has already been incorporated into several existing developments, including Cross River Rail, the new Queensland Performing Arts theatre venue, Roma Hospital redevelopment, Ipswich Motorway Rocklea to Darra upgrade and the purpose-built train depot at Wulkuraka.

The Department of Transport and Main Roads has also been proactively piloting BIM across 12 of its projects since 2016, including the upgrade of the Pacific Motorway from Mudgeeraba to Varsity Lakes. The benefits include the ability to resolve design issues prior to construction and enable better planning for temporary works access. Ultimately the whole-of-life application of a 3D model will improve asset management. An increasing number of Department of Transport and Main Roads projects now require the contractor to maintain the BIM model throughout the construction phase and provide a model at handover.

Once BIM is fully implemented, the Department of Transport and Main Roads anticipates cost savings in design, construction, operations and maintenance, improved data capture, less rework and improved productivity. It will continue to work with service providers and the state government to refine its approach and achieve the benefits of an integrated digital framework.



Wulkuraka Maintenance Centre



# Creating opportunities

## Smart transport infrastructure

Digital communications are transforming many aspects of people's lives. Smart technologies are being increasingly integrated into the infrastructure that underpins Queensland's built environment, making communities and cities more liveable.

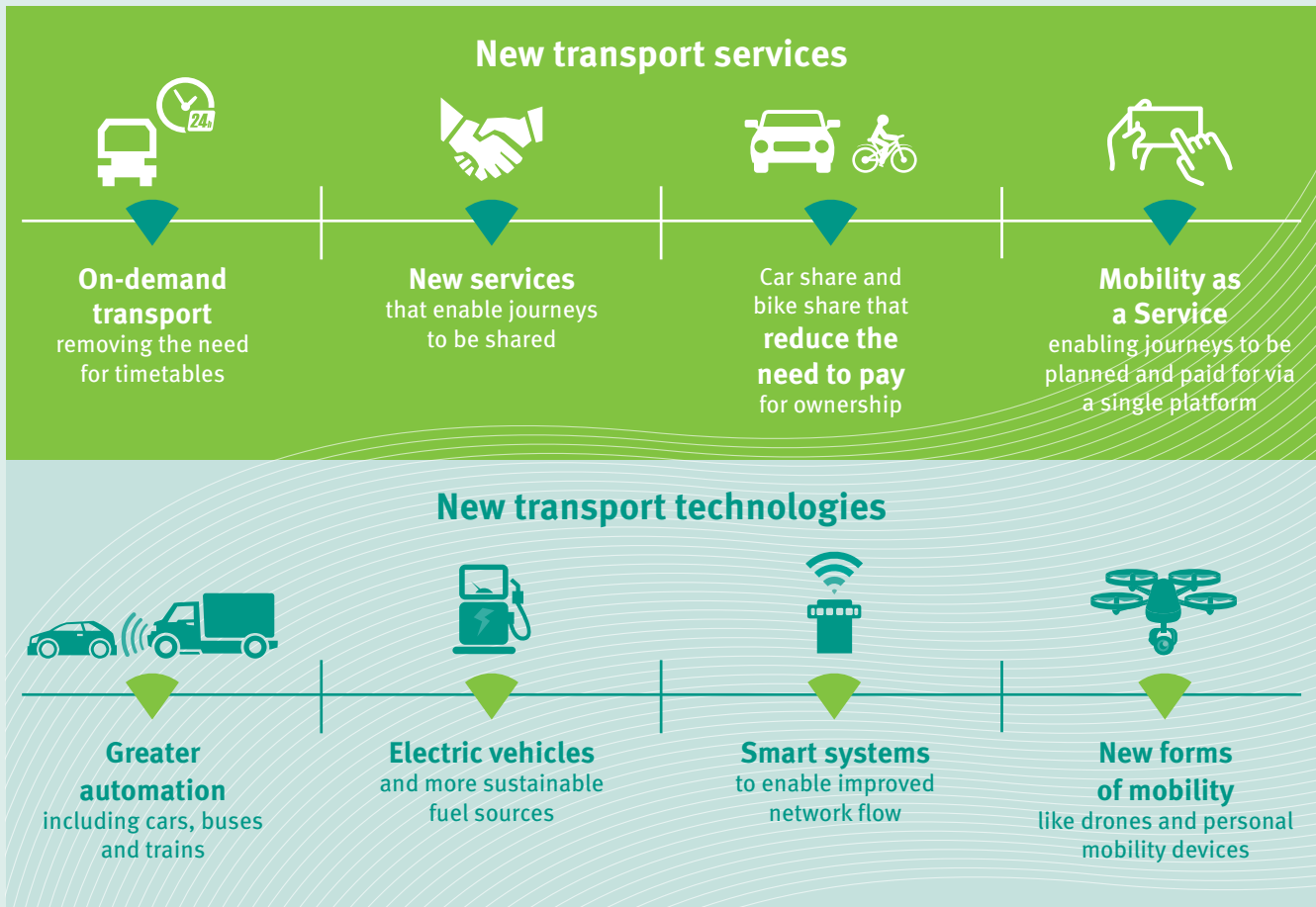
### Draft Queensland Transport Strategy

The Department of Transport and Main Roads released the Draft Queensland Transport Strategy (QTS) for consultation in March 2019. The QTS is the government's 30-year vision for transport and details how global and national trends will impact Queensland's transport in the future. It discusses how

new technologies, such as drones, electric vehicles and increasing levels of automation can substantially transform the transport system. The Draft QTS has five customer-focused outcomes that will guide how the state responds to the changes on the horizon.

These outcomes are:

- ▶ accessible, convenient transport
- ▶ safe journeys for all
- ▶ seamless, personalised journeys
- ▶ efficient, reliable and productive transport for people and goods
- ▶ sustainable, resilient and liveable communities.



Overview of innovative transport services and technologies

## Cooperative and Automated Vehicle Initiative

The Cooperative and Automated Vehicle Initiative (CAVI) is helping to prepare Queensland roads for the arrival of new vehicle technologies that are expected to deliver safety, mobility and environmental benefits. CAVI will lay the technical foundations for the next generation of smart transport infrastructure. The project consists of three components:

### The Ipswich Connected Vehicle Pilot

- ▶ This is Australia's largest on-road testing trial of connected vehicles and infrastructure. About 500 vehicles are being retrofitted with Cooperative Intelligent Transport Systems (C-ITS) devices, which enable vehicles to 'talk' to one another using infrastructure, road operations and cloud-based data sharing systems.
- ▶ The C-ITS devices provide safety warnings about various conditions such as a pedestrian crossing at a signalised intersection, a hazard on the road or congestion ahead.

### Connected and Highly Automated Driving (CHAD) Pilot

- ▶ This pilot is researching the safety and infrastructure impacts of connected and highly automated vehicles. It will explore the requirements of these vehicles to operate on Queensland roads, and how to efficiently invest in and future-proof the network. Public demonstrations and displays will also be held.

### Vulnerable Road User Pilot

- ▶ This project will look at how new technology can improve the safety of vulnerable road users, including pedestrians, motorbike riders and cyclists.

## Smart Motorways

Smart Motorways (or managed motorways) use integrated, state-of-the-art technology to enable proactive, real-time management of the SEQ road network.

Smart technologies are used to optimise the performance of motorways and maximise capacity during peak periods. As well as increasing the use of existing infrastructure, they reduce congestion, stop-start travel, incidents and emissions, while improving journey time predictability and fuel efficiency.

These technologies include:

- ▶ variable speed limit and flexible lane control signs to manage traffic flow
- ▶ on-ramp signalling to control the rate at which vehicles merge onto motorways
- ▶ electronic message signs, displaying travel time, to provide drivers with real-time advice on conditions and alternative routes
- ▶ roadside data systems to help detect and respond to motorway incidents and build intelligence on motorway network operations.

Smart Motorways also provide emergency services with faster and safer access to accident sites by enabling these vehicles to automatically trigger traffic light sequences to change along the most direct route when responding to an emergency call. These technologies are being progressively rolled out at various locations, including the Gateway Motorway, Pacific Motorway, Bruce Highway, Ipswich Motorway and Western Freeway, as well as the Clem Jones Tunnel, Legacy Way and Airport Link.

## Hold the Red

The Department of Transport and Main Roads and the Queensland Police Service are collaborating to trial an active collision prevention system called Hold the Red (HTR) at four SEQ intersections. Queensland is the first state in Australia to test the technology, which has reduced crashes in the state of Florida in the United States of America.

The system uses innovative radar technology to track each vehicle as it approaches an intersection with an orange or red light, and predicts if it will not be able to stop in time. HTR instructs the signal controls to extend the all-red phase, allowing the intersection to clear before the light goes green. Law-abiding drivers and pedestrians in cross-traffic lanes do not enter, avoiding a potentially hazardous situation. Infringement notices can still be issued if speed or red-light cameras are present, encouraging behaviour change while minimising the risk of serious injury or death.

Eleven per cent of all serious casualties on Queensland roads occur at intersections with traffic lights. During the past five years, 42 people have been killed and more than 3000 hospitalised in crashes at signalised intersections in Queensland. HTR lowers the risk of collision but still allows offenders to be penalised.

The success of HTR is being evaluated by an independent consultant to inform any future rollout.

## Infrastructure Priority List update

The Infrastructure Priority List, produced by Infrastructure Australia, identifies nationally significant initiatives and projects across all states and territories, providing guidance on the infrastructure investment needed to support Australia's continued prosperity. The Infrastructure Priority List is updated regularly, with a static version published each year.

Business cases that meet the required criteria are progressed to Infrastructure Australia for consideration as they are completed. Infrastructure Australia has developed an assessment framework to guide its decisions about infrastructure.

Seven Queensland projects no longer appear on the Infrastructure Priority List as they are completed or underway. These projects are:

- ▶ Bruce Highway Upgrade Program – Caloundra Road to Sunshine Motorway
- ▶ Gateway Upgrade North
- ▶ M1 Pacific Motorway – Gateway Motorway merge upgrade
- ▶ M1 Pacific Motorway – Mudgeeraba to Varsity Lakes upgrade
- ▶ Bruce Highway – Cooroy to Curra (Section C) upgrade
- ▶ Bruce Highway – Mackay Ring Road (Stage 1) upgrade
- ▶ Ipswich Motorway – Rocklea to Darra (Stage 1C) upgrade.

### Australian Infrastructure Plan

The first Australian Infrastructure Audit in 2015 took a strategic approach to assessing the country's infrastructure needs, examining drivers of future demand, particularly population and economic growth.

In response to the audit, Infrastructure Australia published the Australian Infrastructure Plan, a 15-year roadmap for national reform and investment, in 2016.

Infrastructure Australia's second audit, to be published in 2019, will provide a greater focus on energy, telecommunications and water, plus an expansion into social infrastructure.

This latest examination will inform future priority lists and the next Australian Infrastructure Plan, due to be released in 2021.



Bruce Highway upgrade – Cooroy to Curra



## Infrastructure Priority List – Queensland and national projects and initiatives

Proposed project/initiative <sup>1</sup>	Location	Timeframe <sup>2</sup>	Pipeline phase <sup>3</sup>
<b>High priority projects</b>			
Brisbane Metro (Brisbane City Council)	Brisbane	Near-term	Delivery
<b>Priority projects</b>			
M1 Pacific Motorway – Eight Mile Plains to Daisy Hill	Eight Mile Plains – Daisy Hill	Near-term	Delivery
M1 Pacific Motorway – Varsity Lakes to Tugun	Varsity Lakes – Tugun	Near-term	Delivery
Bruce Highway – Cairns Southern Access Corridor, Edmonton to Gordonvale (Stage 3)	Edmonton – Gordonvale	Near-term	Delivery
Beerburrum to Nambour rail upgrade	Sunshine Coast to Brisbane	Near-term	Delivery
Inland Rail (Melbourne to Brisbane via inland NSW) (Australian Government)	National	Medium-term	Delivery
<b>High Priority initiatives</b>			
Cross River Rail	Brisbane	Near-term	Delivery
Ipswich Motorway Upgrade – Rocklea to Darra (remaining sections)	Western Brisbane	Near-term	Business case
M1 Pacific Motorway – Eight Mile Plains to Tugun	Eight Mile Plains – Tugun	Near-term	Strategic assessment
Port of Brisbane dedicated freight rail connection	Brisbane	Medium-term	Strategic assessment
National Freight and Supply Chain Strategy	National	Near-term	Strategic assessment
Regional road network safety improvements	National	Near-term	Concept
Network Optimisation Program – rail	National	Near-term	Concept
Network Optimisation Program – roads	National	Near-term	Concept
Preserve corridor for East Coast High-Speed Rail	National	Near-term	Concept
Remote housing overcrowding	National	Near-term	Concept
National Electricity Market – future connectivity and reliability	National	Medium to longer term	Concept
National electric vehicle fast-charging network	National	Near-term	Concept
<b>Priority initiatives</b>			
Brisbane to Gold Coast transport corridor upgrades	Brisbane – Gold Coast	Near-term	Various
Centenary Motorway capacity	Western Brisbane	Near-term	Preliminary evaluation
Broadbeach to Burleigh Heads public transport connectivity, including the Gold Coast Light Rail (Stage 3A)	Gold Coast	Near-term	Various
Gold Coast Rail Line capacity improvement – Kuraby to Beenleigh	Kuraby – Beenleigh	Near-term	Preliminary evaluation
Warrego Highway east corridor improvements	Queensland	Near-term	Concept
Bruce Highway Upgrade Program, including the Townsville Ring Road (Stage 5)	Queensland	Medium-term	Various
Port of Gladstone land and sea access upgrade (Gladstone Ports Corporation)	Gladstone	Medium-term	Strategic assessment
Mount Isa to Townsville rail corridor upgrade	North Queensland	Medium-term	Preliminary evaluation
Preserve corridor for Salisbury to Beaudesert rail connection	Brisbane – Beaudesert	Near-term	Concept
Rookwood Weir (Sunwater)	Central Queensland	Near-term	Delivery
Advanced Train Management System implementation on the interstate rail network (Australian Rail Track Corporation)	National	Near-term	Preliminary evaluation
Connect gas suppliers to eastern gas markets	National	Near-term	Concept
National Electricity Market – near-term optimisation	National	Near-term	Concept

<sup>1</sup> Proposed project/ initiative (For project and initiative summaries visit: <https://infrastructureaustralia.gov.au/projects/infrastructure-priority-list.aspx>); <sup>2</sup>Timeframe (Near-term: within five years; medium term: within 10 years; longer term: within 15 years); <sup>3</sup>Pipeline phase (The pipeline phase is aligned to the state infrastructure pipeline and is indicative only).

# 2018–19 year in review

## Growth Area Regional Infrastructure Investment Fund

The Growth Area and Regional Infrastructure Investment Fund was announced as part of the 2018–19 state budget. It supports government agencies to deliver essential infrastructure in outer urban communities and the regions, providing economic opportunities including job support in growth areas.

An overview of projects that have received funding allocations is provided below. Importantly, the selected projects provide real benefits to local communities and have been accelerated through the infrastructure pipeline as a direct result of the Growth Area and Regional Infrastructure Investment Fund.

Project	Region	Allocation
Reid Park active transport bridge	Townsville region	\$7,400,000
Magnetic Island Forts Junction Hub upgrade	Townsville region	\$2,350,000
Yeppoon heritage rail station restoration	Central Queensland	\$475,000
Capricorn Coast Pineapple Rail Trail extension	Central Queensland	\$455,000
Student nurse accommodation in Roma	Darling Downs – Maranoa	\$5,950,000
Carseldine Urban Village pedestrian bridge	Brisbane	\$900,000
Munruben Ambulance Station	Logan	\$4,000,000



Brisbane Valley Rail Trail

Image courtesy of the Brisbane Valley Rail Trail Users Association

## Maturing the Infrastructure Pipeline Program

**The Maturing the Infrastructure Pipeline Program is a \$30 million program that supports local governments to develop a robust pipeline of infrastructure projects, and enables projects to be matured from conceptually good ideas into solid proposals. The program supports local governments to investigate and document the viability of project proposals, provide robust evidence to inform forward planning, budgetary processes, grant applications and private investment attraction.**

Phase one of the Maturing the Infrastructure Pipeline Program involved evaluating the maturity of all proposals raised during consultation for the 2016 SIP, and completing strategic planning on a further 40 infrastructure proposals submitted by local governments. A number of these, such as the Emerald Saleyards and water quality for the Torres Strait Islands, have received further funding for delivery.

Phase two of this program is enabling strategic planning, detailed design or business case development to take place on a further 70 proposals from 67 local governments listed below. This grant program helps to enhance local governments' capabilities and assists councils to make informed investment decisions. The program also enables worthwhile community projects to be planned, assessed and brought to market quickly to ensure productivity and jobs growth continues across Queensland.

The Maturing the Infrastructure Pipeline Program complements other Queensland Government grant programs. It assists councils to determine infrastructure priorities, which better informs applications to other programs such as Building our Regions and the Local Government Grants and Subsidies Program.

Project	Council	Region
Strategic planning for Aurukun Airport	Aurukun Shire Council	Queensland Outback
Sustainable multi-user hub business case	Balonne Shire Council	Darling Downs – Maranoa
Gogango Bridge business case	Banana Shire Council	Central Queensland
Waste management master plan	Banana Shire Council	Central Queensland
Strategic planning for the Globe Precinct	Barcaldine Regional Council	Queensland Outback
Power supply to Stonehenge	Barcoo Shire Council	Queensland Outback
Trucking heritage cultural tourism attraction business case	Blackall-Tambo Regional Council	Queensland Outback
Strategic planning for the development of a regional community hub	Boulia Shire Council	Queensland Outback
Kangaroo Point green bridge business case	Brisbane City Council	Brisbane
Renewable energy design and analysis	Bulloo Shire Council	Queensland Outback
Design and development of a whole-of-council asset information asset	Bundaberg Regional Council	Wide Bay
Detailed design of a macro-algal bioremediation facility	Burdekin Shire Council	Townsville region
Detailed design of the realignment and raising of the Leichhardt River crossing	Burke Shire Council	Queensland Outback
Cairns Gallery Precinct project business case	Cairns Regional Council	Cairns region
Strategic planning for the expansion of the tourism industry	Carpentaria Shire Council	Queensland Outback
Strategic planning for the integrated freight and logistics hub facility	Cassowary Coast Regional Council	Cairns region
Strategic infrastructure planning to support the Yamala Enterprise Area	Central Highlands Regional Council	Central Queensland



# 2018–19 year in review

## Maturing the Infrastructure Pipeline Program – continued

Project	Council	Region
Feasibility study for the redevelopment of the council administration building	Cherbourg Aboriginal Shire Council	Wide Bay
Cloncurry Sewage Treatment cap upgrade detailed design	Cloncurry Shire Council	Queensland Outback
Charlotte and Adelaide streets upgrade detailed design	Cook Shire Council	Queensland Outback
Mountain bike trail network business case	Croydon Shire Council	Queensland Outback
Eyre Development Road pavement sealing business case	Diamantina Shire Council	Queensland Outback
Teamsters Park master plan	Douglas Shire Council	Queensland Outback
Gilbert River Irrigation Project business case	Etheridge Shire Council	Queensland Outback
Hughenden stormwater management plan	Flinders Shire Council	Queensland Outback
Marine and land-based infrastructure planning study	Fraser Coast Regional Council	Wide Bay
Investigation into the development of a large-scale waste-to-energy facility	Gladstone Regional Council	Central Queensland
Centre for agricultural excellence feasibility study	Goondiwindi Regional Council	Darling Downs – Maranoa
Strategic planning for Gympie Gateway Employment Hub	Gympie Regional Council	Wide Bay
Palm Creek Bridge detailed design	Hinchinbrook Shire Council	Townsville region
Detailed design of the Everline Bridge reconstruction	Hope Vale Aboriginal Shire Council	Queensland Outback
Ipswich Football Stadium business case	Ipswich City Council	Ipswich
Clermont sustainable water strategy development	Isaac Regional Council	Central Queensland
Moranbah sewer condition assessment	Isaac Regional Council	Central Queensland
Kowanyama Airport terminal detailed design	Kowanyama Aboriginal Shire Council	Queensland Outback
Detailed design of power and water infrastructure for the Great Keppel Island Revitalisation Plan	Livingstone Shire Council	Central Queensland
Lockyer Valley and Somerset Water Security Scheme business case	Lockyer Valley Regional Council	Toowoomba
Detailed design of an active transport link from Laurinda Crescent to Carol Avenue	Logan City Council	Logan
Waste management strategy	Longreach Regional Council	Queensland Outback
Infrastructure investigations within the Mackay Waterfront PDA	Mackay Regional Council	Mackay – Isaac – Whitsunday
Strategic planning for the expansion of Mapoon's marine facilities	Mapoon Aboriginal Shire Council	Queensland Outback
Detailed design of the Roma stormwater infrastructure upgrade	Maranoa Regional Council	Darling Downs – Maranoa
Long-term water supply technical design	Mareeba Shire Council	Cairns region
Detailed design of the community children's services hub	McKinlay Shire Council	Queensland Outback
Strategic transport planning	Moreton Bay Regional Council	Moreton Bay
Long-term community infrastructure planning	Mornington Shire Council	Queensland Outback

## Maturing the Infrastructure Pipeline Program – continued

Project	Council	Region
Development of a framework to integrate council asset and project information	Mount Isa City Council	Queensland Outback
Mount Isa Transport and Logistics Centre business case	Mount Isa City Council	Queensland Outback
Napranum master drainage plan	Napranum Aboriginal Shire Council	Queensland Outback
Rufous Street (stage 3) detailed design	Noosa Shire Council	Sunshine Coast
Urban Biggenden Water Treatment Plant business case	North Burnett Regional Council	Wide Bay
Infrastructure strategy and program development	Palm Island Aboriginal Shire Council	Townsville region
Detailed design of the Paroo Civic, Community and Business Enterprise Centre	Paroo Shire Council	Queensland Outback
Development of an infrastructure planning and portfolio prioritisation framework	Redland City Council	Brisbane
Richmond agricultural precinct detailed design	Richmond Shire Council	Queensland Outback
Detailed design of the North Rockhampton Sewage Treatment Plant augmentation	Rockhampton Regional Council	Central Queensland
Beaudesert Library business case and detailed design	Scenic Rim Regional Council	Ipswich
Development of a regional water and wastewater strategy	South Burnett Regional Council	Wide Bay
Sunshine Coast exhibition and convention facility business case	Sunshine Coast Regional Council	Sunshine Coast
Water business strategy and infrastructure development plan	Tablelands Regional Council	Cairns region
Toowoomba Regional Sports Precinct (Charlton) business case	Toowoomba Regional Council	Toowoomba
Design and development of a whole-of-council asset information dataset	Torres Shire Council	Queensland Outback
Mobile waste metal shredder/compactor design business case and detailed design	Torres Strait Island Regional Council	Queensland Outback
Detailed design of additional pedestrian pathways, bridges and road networks in the North Queensland Stadium precinct	Townsville City Council	Townsville region
Strategic tourism infrastructure master planning	Western Downs Regional Council	Darling Downs – Maranoa
Strategic planning essential services resilience in Airlie Beach and Cannonvale	Whitsunday Regional Council	Mackay – Isaac – Whitsunday
Feasibility study for the upgrade of the council service station	Woorabinda Aboriginal Shire Council	Central Queensland
Regional Transaction Centre detailed design	Yarrabah Aboriginal Shire Council	Cairns region

## Regional plans

**Regional plans set the long-term strategic direction for the growth of Queensland's regions, setting out state and regional planning interests critical to responsible land-use planning and development.**

The Queensland Government uses regional plans to deliver a more integrated approach to planning. They are prepared in collaboration with local governments, key industry groups and the wider community, ensuring the aspirations of regional stakeholders are considered.

Regional plans address existing and emerging regional issues, identify infrastructure priorities that service existing development and support future growth.

### ShapingSEQ

*ShapingSEQ*, which came into effect in August 2017, informs planning across SEQ's 12 local government areas and aims to respond to the region's expected growth to 2041.

Consolidating growth to enable more efficient use of infrastructure, enhancing public transport accessibility and stimulating the economy are key outcomes within *ShapingSEQ*. The SEQ Growth Monitoring Program will monitor and assess progress towards these outcomes.

Since the release of the plan the program has produced three core deliverables including the:

- ▶ Housing Supply Expert Panel, which provides independent expert advice about how to appropriately measure, report on and address land supply, development and related housing affordability issues in SEQ
- ▶ Land Supply Development Monitoring is an online report that annually reports on the SEQ region's land supply and development activity to ensure there is adequate land for dwellings and employment
- ▶ Measures that Matter online dashboard, including 15 indicators that periodically report on aspects of the natural, economic and social environment in SEQ, compared with its overall preferred regional future.

*ShapingSEQ* also identifies 17 region-shaping infrastructure priorities. Infrastructure planning is already leading to multiple projects arising for some priorities, such as with the eastern and northern busway extensions. The region-shaping priorities pipeline provides an update on these priorities and highlights eight projects that have been planned and are now being delivered to address these *ShapingSEQ* priorities.

### Relationship with the SIP

Aligning the SIP and regional plan priorities helps to improve coordination and integration of land-use and infrastructure planning and delivery.

Infrastructure priorities within regional plans move into the SIP 1–4 year program after consideration by relevant agencies, and when triggered by population growth and economic development.

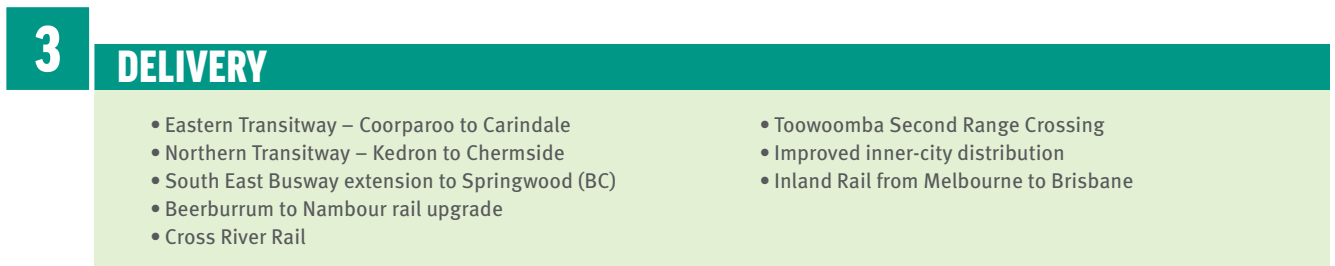
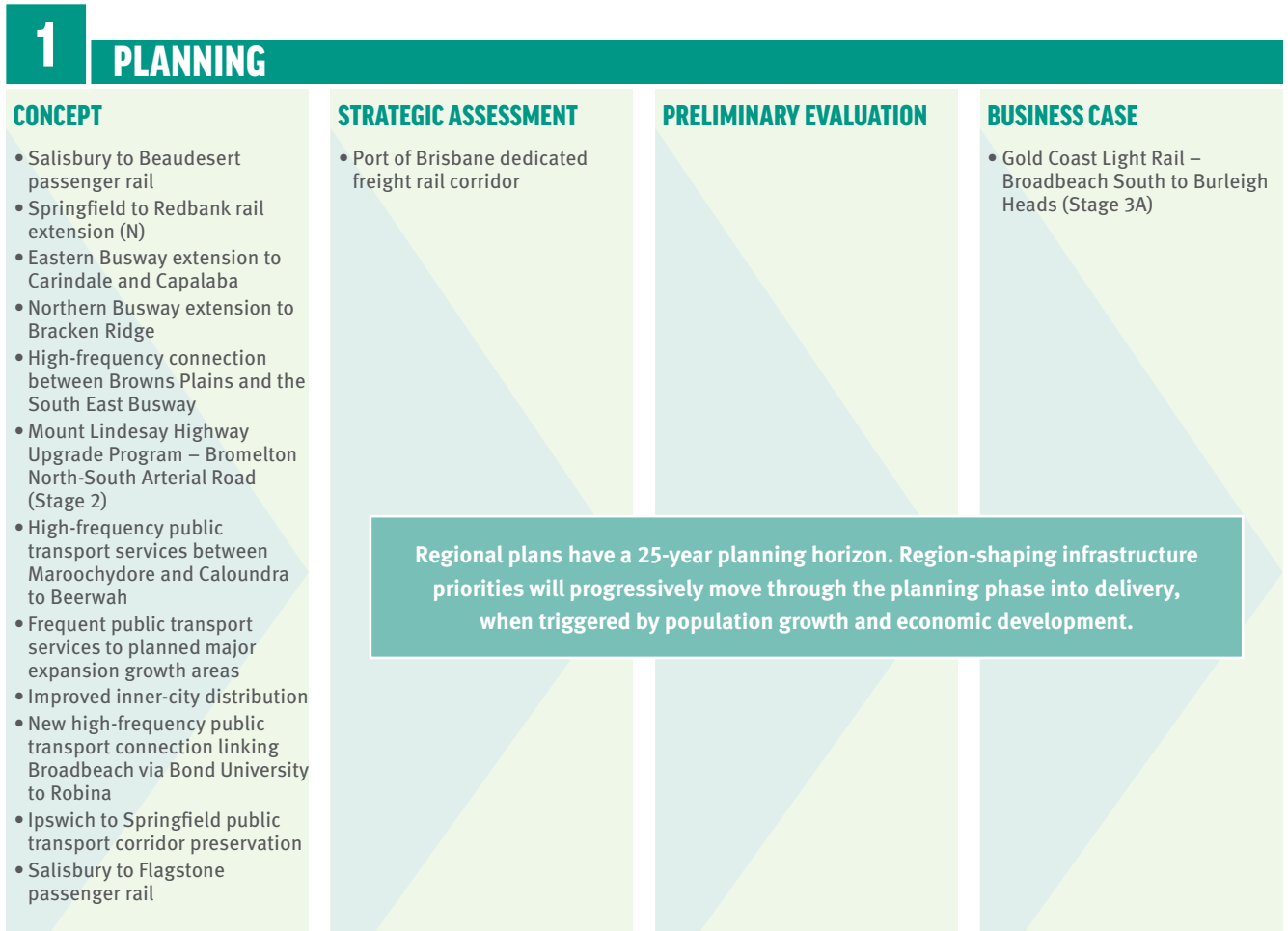
### Expansion areas

In addition to PDAs for SEQ, *ShapingSEQ*'s sub-regional directions identify major expansion areas that will assist in accommodating the region's expected growth to 2041, including:

- ▶ Beaudesert, Scenic Rim
- ▶ Beerwah East Major Development Area, Sunshine Coast
- ▶ Caboolture West, Moreton Bay
- ▶ Coomera/Pimpama, Gold Coast
- ▶ Ormeau, Gold Coast
- ▶ Palmview, Sunshine Coast
- ▶ Park Ridge, Logan
- ▶ Southern Redland Bay, Redland
- ▶ Springfield, Ipswich
- ▶ Walloon/Rosewood, Ipswich
- ▶ Westbrook, Toowoomba.



## Region-shaping priorities pipeline – 25-year horizon



*Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.*

# 2018–19 year in review

## Measuring performance

Government infrastructure is often considered to be an enabler of service delivery and economic growth. It provides benefits to the community during construction and throughout its life.

The SIP has helped improve industry and community confidence by highlighting how the government invests to deliver the right infrastructure in the right place, at the right time.

Performance of the SIP is measured in a number of ways. The results are shown throughout each annual SIP Part B update:

- ▶ The 2018–19 highlights section demonstrates what has been delivered in the past 12 months
- ▶ Infrastructure class infographics highlight outputs and outcomes from the government’s investment
- ▶ Movement in the infrastructure pipeline highlights the benefits of applying consistent planning methods.

The ongoing assessment of these components is essential to ensuring infrastructure planning is improving and delivering infrastructure for growth.

### Ex-post evaluations

An ex-post impact assessment framework has been developed to assess the broader effects of strategic infrastructure investments and policies.

The framework aims to measure a project's economic, social and environmental benefits to assess its impact on a network, city or region.

Reviewing the impact of projects allows lessons learned to be implemented in future projects of a similar nature. It provides insights to improve all stages of the infrastructure lifecycle, including planning, business case development, delivery and operation.

### 1–4 year program delivery highlights for 2018–19



**635**  
1–4 year  
program items



**\$20.7 B**  
estimated cost of  
construction projects



**130**  
construction  
projects completed

### 1–4 year program highlights for the SIP Part B 2019 update



**917**  
1–4 year  
program items



**312**  
programs of work  
in 2019–20



**\$4.9 B**  
investment  
programs of work  
in 2019–20

## Project completions

A sample of major projects completed during 2018–19 is provided below.

Project	Region	Total est. cost
Gateway Upgrade North project	Brisbane	\$1.14 B
Bruce Highway upgrade at Cattle Creek and Frances Creek	Townsville region	\$118.9 M
Borallon Correctional Centre recommissioning	Ipswich	\$117.9 M
Warrego Highway Upgrade Program: Dalby Western Access Upgrade	Darling Downs – Maranoa	\$59 M
Warrego Highway Upgrade Program: Dalby Eastern Access Upgrade	Darling Downs – Maranoa	\$56 M
Marlborough Sarina Road recovery restoration	Mackay – Isaac – Whitsunday	\$49.1 M
Queensland State Netball Centre	Brisbane	\$44 M
Waterford Tamborine Road upgrade	Logan	\$39.5 M
Gladstone offline storage and repump	Central Queensland	\$35.8 M
Yarrabilba State School	Logan	\$33.4 M
Baringa State School	Sunshine Coast	\$30.2 M
Pialba – Burrum Heads Road intersection signalisation	Wide Bay	\$26 M
Leslie Harrison Dam safety upgrade	Brisbane	\$24.6 M
Pimpama State Secondary College	Gold Coast	\$18.8 M
Caloundra Hospital refurbishment	Sunshine Coast	\$17 M
Palm Island Primary Health Care Centre	Townsville region	\$16.5 M
Flinders Highway culvert upgrade	Queensland Outback	\$14.4 M
Somerset Dam hydro refurbishment	Ipswich	\$12.1 M
Eimeo Road State School	Mackay – Isaac – Whitsunday	\$9.6 M
Port of Mackay fender upgrade project (4 and 5)	Mackay – Isaac – Whitsunday	\$7.6 M
Aurukun Primary Health Care Centre redevelopment	Cairns region	\$6.6 M
Howard rural fire and SES co-location with police	Wide Bay	\$5.1 M
UQ Oral Health Centre Herston	Brisbane	\$4.7 M
Moranbah Youth and Community Centre	Mackay – Isaac – Whitsunday	\$4.2 M
Gladstone High School additional classrooms	Central Queensland	\$3.7 M
Northern Peninsula Area College multi-purpose court and storage	Queensland Outback	\$3.6 M
Miami substation upgrade	Gold Coast	\$3.6 M
Kowanyama nurses' accommodation	Queensland Outback	\$3.4 M
Kirwan social housing	Townsville region	\$3.3 M
East Murgon Neighbourhood Centre replacement	Wide Bay	\$3.1 M
Grantham substation upgrade	Toowoomba	\$2.8 M
Horn Island rural fire and SES facility upgrade	Queensland Outback	\$2.7 M
Kilcoy replacement police facility	Moreton Bay	\$2 M
Southport Special School additional classrooms	Gold Coast	\$1.9 M
Gladstone Sewerage Treatment Plant	Central Queensland	\$1.8 M

Note: Information correct as at 9 June 2019.



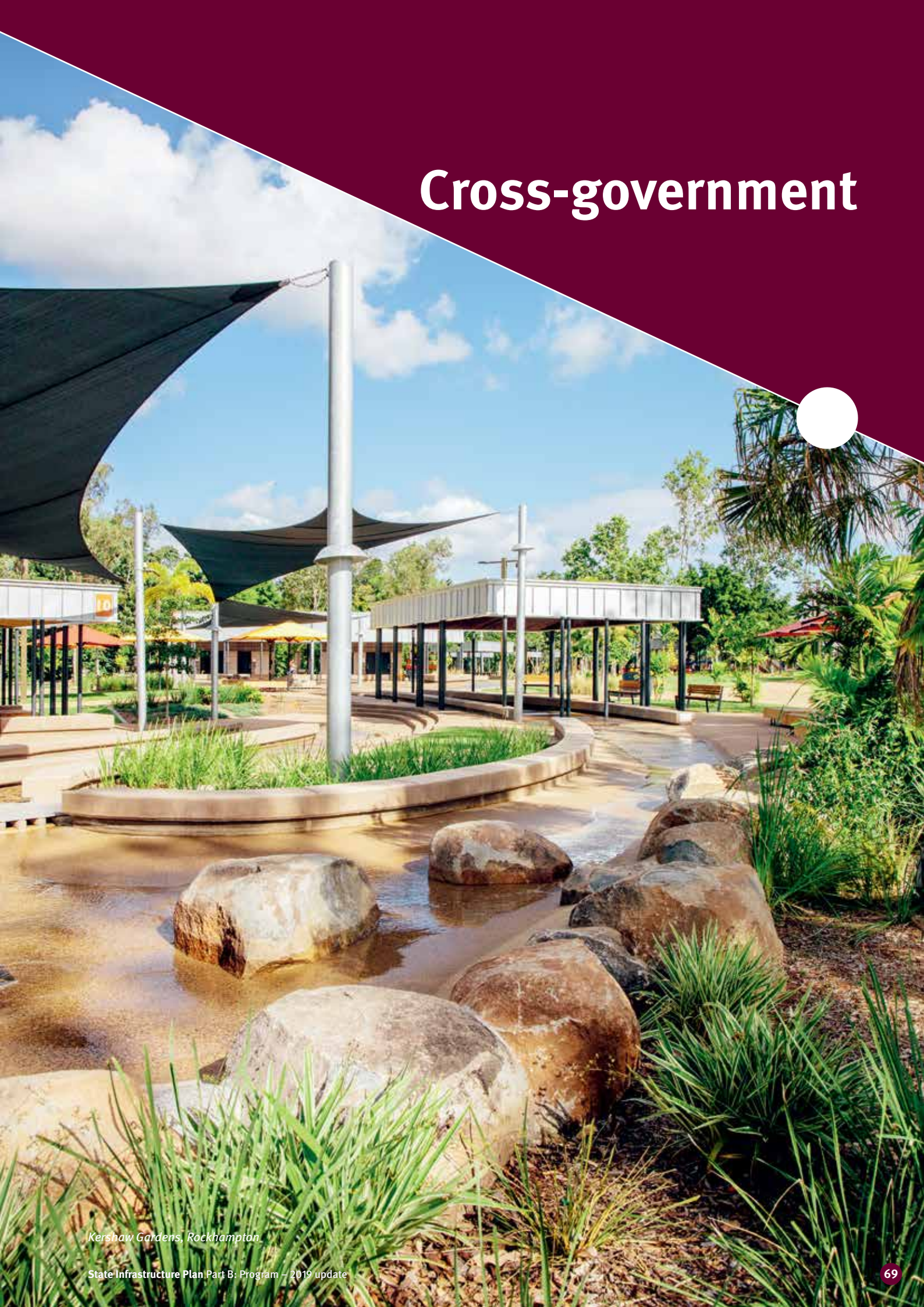
# 2018–19 year in review



*Gateway Upgrade North – Nudgee alignment*



# Cross-government



*Kershaw Gardens, Rockhampton*





# Cross-government

**A collaborative approach and whole-of-state perspective are critical foundations to deliver infrastructure that supports sustainable economic growth in Queensland’s cities and regions.**

Innovation, collaboration and smart solutions are needed to address the state’s infrastructure challenges. These often span multiple infrastructure classes and require a coordinated response from the state, other levels of government and the private sector.

Coordination and land-use planning across agencies and all tiers of government is vital to effectively prioritise investment, ensure funding is secured and infrastructure is delivered at the right time. This is particularly essential for seaports, airports and cross-border transport networks that support effective agricultural supply chains and the efficient movement of people, goods and services.

Priority Development Areas (PDAs) are a key tool for planning and sequencing infrastructure in high-growth areas. Economic Development Queensland (EDQ) works with local councils and developers to streamline planning, approval and construction, as well as deliver property and infrastructure projects across the state.

State Development Areas (SDAs) are used to promote economic development. The Coordinator-General is responsible for the planning, establishment and ongoing management of SDAs throughout Queensland. They generally comprise of industrial hubs for large-scale, heavy industry, multi-user infrastructure corridors and major development sites, including public works.

The Queensland Government also supports local councils to meet the infrastructure needs of its communities. For example, the primary aim of the Local Government Grants and Subsidies Program is to provide funding assistance so priority infrastructure and essential services can be delivered to improve liveability.

## Key initiatives

### Disaster Recovery Funding Arrangements

- ▶ Jointly funded by the Commonwealth and Queensland governments to provide disaster relief, recovery payments and restore infrastructure.
- ▶ In 2019–20, \$210.5 million is being provided in relief-measure funding to local governments.

### Local Government Grants and Subsidies Program

- ▶ In 2019–20, \$59.187 million over two years (2019–21) is being provided to help local governments fund key infrastructure projects that support economic growth and stimulate local job creation.

### Neighbourhood, youth and community centres

- ▶ More than 100 centres throughout Queensland are funded.
- ▶ In 2019–20, \$10.7 million is being invested to continue the upgrade and construction of multi-purpose community and neighbourhood centres.

### Urban renewal development

- ▶ Northshore Hamilton is Queensland’s largest urban waterfront renewal project. In 2019–20, \$17.26 million is being invested in infrastructure, including an upgrade to Hercules Park.
- ▶ In 2019–20, \$1.89 million is being invested for the continued delivery of the 14-hectare Yeerongpilly Green urban renewal project.

### Regional developments

- ▶ In 2019–20, \$930,000 is being invested in the restoration of Yeppoon’s heritage rail station building and the extension of the nearby Capricorn Coast Pineapple Rail Trail. This investment will bring new economic and community opportunities to the region.

### Queensland Rural and Industry Development Authority

- ▶ \$300 million in federal funding over three years (from 2018–19) to help with recovery efforts following the North Queensland Floods and Monsoon Trough.

## Strategy for Social Infrastructure

The Queensland Government has developed a Strategy for Social Infrastructure to help build thriving and inclusive communities with agile and responsive social infrastructure that grows with its residents. The strategy takes a

place-based approach for social infrastructure planning and delivery that is built on stronger cross-agency collaboration to provide easily accessible, well-located, and flexibly designed infrastructure that can be adapted to changing needs.



## Priority Development Areas

Parcels of land identified for specific accelerated development, with a focus on community development and economic growth.

The 32 PDAs will deliver:

- ▶ a combined area of approximately 20,360 hectares
- ▶ a minimum of 177,000 dwellings
- ▶ a minimum of 442,900 residents
- ▶ a minimum of 232,000 local jobs.

### PDAs:

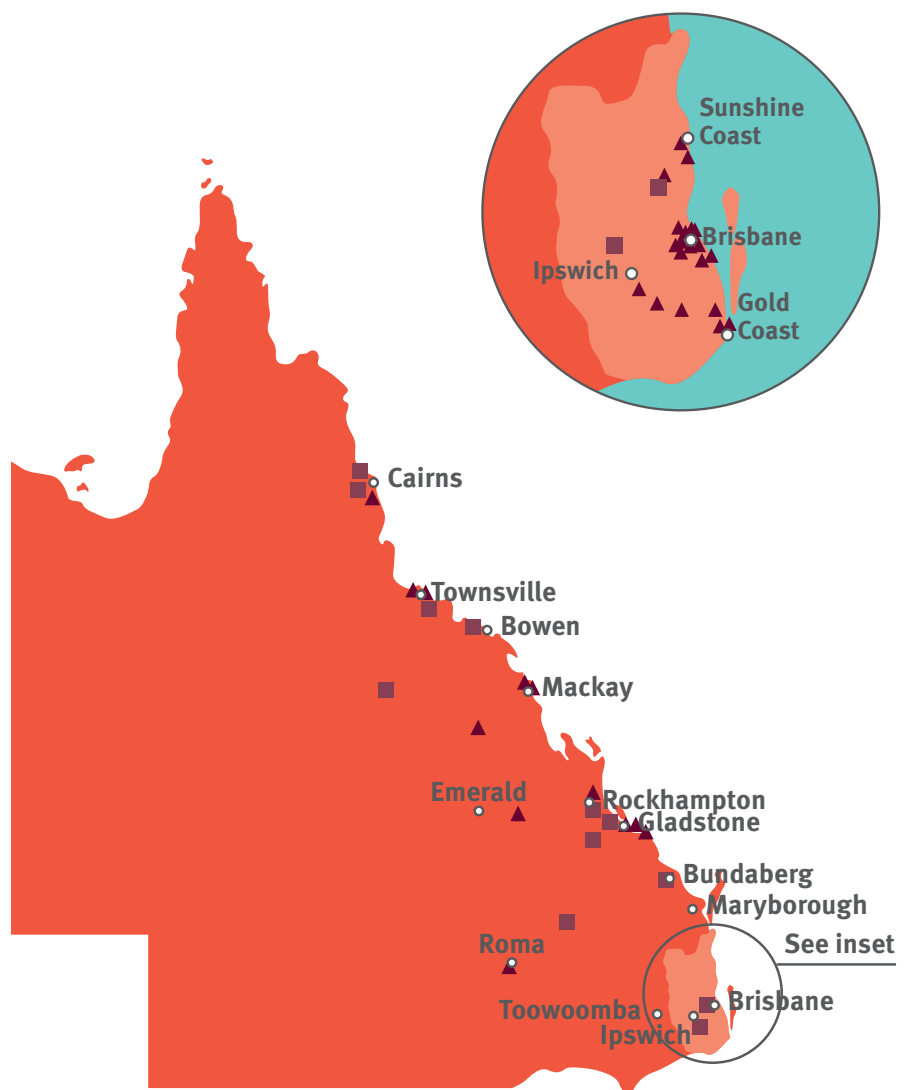
- ▲ **Albert Street cross river rail PDA** New
- ▲ Andergrove PDA, Mackay
- ▲ Blackwater PDA
- ▲ Blackwater East PDA
- ▲ Bowen Hills PDA, Brisbane
- ▲ Caloundra South PDA
- ▲ Central Queensland University Rockhampton PDA
- ▲ Clinton PDA, Gladstone
- ▲ Fitzgibbon PDA, Brisbane
- ▲ Herston Quarter PDA, Brisbane
- ▲ Greater Flagstone PDA, Logan
- ▲ Mackay Waterfront PDA
- ▲ Maroochydore City Centre PDA
- ▲ Moranbah PDA
- ▲ Northshore Hamilton PDA, Brisbane
- ▲ Oonoonba PDA, Townsville
- ▲ **Oxley PDA** New
- ▲ Parklands PDA, Gold Coast
- ▲ Queen's Wharf Brisbane PDA
- ▲ Ripley Valley PDA, Ipswich
- ▲ Roma PDA
- ▲ Southport PDA
- ▲ Tannum Sands PDA
- ▲ The Mill at Moreton Bay PDA
- ▲ Toolooa PDA, Gladstone
- ▲ Toondah Harbour PDA, Redland
- ▲ Toowoomba Railway Parklands PDA
- ▲ Townsville City Waterfront PDA
- ▲ Weinam Creek PDA, Redland
- ▲ Woolloongabba PDA, Brisbane
- ▲ Yarrabilba PDA, Logan
- ▲ **Yeronga PDA** New

## State Development Areas

Defined areas of land established by the Coordinator-General to promote economic development, including industrial hubs for large-scale, heavy industry, multi-user infrastructure corridors and major public infrastructure sites.

There are currently 12 SDAs covering an area of approximately 187,986 hectares:

- |                                   |   |
|-----------------------------------|---|
| ■ Abbot Point                     | ■ Queensland Children's Hospital                |
| ■ Bromelton                       | ■ Stanwell to Gladstone Infrastructure Corridor |
| ■ Bundaberg                       | ■ Surat Basin Infrastructure Corridor           |
| ■ Cairns South                    | ■ Townsville                                    |
| ■ Callide Infrastructure Corridor | ■ Tropical North                                |
| ■ Galilee Basin                   |   |
| ■ Gladstone                       |   |



## Cape York Regionl Package – providing Indigenous workforce opportunities

The Cape York Region Package (CYRP) is a five-year \$276 million program of works jointly funded by the Australian and Queensland governments to upgrade critical infrastructure.

It consists of three projects:

- ▶ \$215.5 million to seal sections of the 173-kilometre stretch of Peninsula Developmental Road between Laura and the Rio Tinto boundary
- ▶ \$10 million over four years to seal sections of Endeavour Valley Road between Cooktown and Hope Vale
- ▶ \$50.5 million for priority Indigenous community infrastructure works identified by the Torres Cape Indigenous Council Alliance.

The CYRP has sealed 159.8 kilometres of the Peninsula Developmental Road while the 10.32-kilometre stretch of Endeavour Valley Road was completed in September 2018. A sense of pride was reported among Aboriginal and Torres Strait Islander employees in their ability to deliver a local road for their community.

There has been a significant increase in building Indigenous business capability, and training and employment opportunities since 2015, including:

- ▶ about 25 per cent of the workforce comprised of Indigenous people
- ▶ more than 310 Indigenous people employed across 16 Peninsula Developmental Road projects
- ▶ 15 local Indigenous businesses engaged to work in civil construction, vegetation and road maintenance works
- ▶ 140,000 hours of Aboriginal and Torres Strait Islander training and employment
- ▶ \$41 million worth of work completed by Indigenous businesses.

The ability for Aboriginal and Torres Strait Islander people to work on local projects has made a significant difference to their lives. Construction training and employment previously required people to work hundreds of kilometres away for extended periods of time. This had social, community and economic impacts and lowered the retention of skilled workers.

As CYRP continues, improved access to health, employment and economic development opportunities are expected to produce greater, tangible outcomes for the region.



*Bama Services construction crew with Department of Transport and Main Roads mentor Peter Kaitap on the 10 Mile Creek project on Peninsula Developmental Road in Cape York*

## Yarrabilba Family and Community Place

Family and Community Place (FCP) opened in October 2018. Built on the Yarrabilba State School site, the Queensland Government committed \$3.6 million in capital funding and Children's Health Queensland has taken a lead role in its operation.

Its shared location with the school has facilitated an increase in collaborative, cross-government, place-based services. These include early intervention and preventative health, education and social programs responsive to the needs of children, families and the wider community.

The facility receives a high volume of visitors before and after school drop-off and pick-up, as well as parents with younger children who stay on during the day. The early success of the centre was demonstrated by recent numbers that showed 11,000 children, parents and community members visited between October 2018 and May 2019.

FCP's design maximises interactions between people. Most government, non-government and private provider interactions with customers occur in an open-plan setting. The facility has been purpose-built to adapt as the community changes and matures over time. Flexible and agile spaces include multi-purpose rooms with operable walls and a consultation wing that can be closed off from public access.

Community Hubs and Partnerships (CHaPs) facilitated the planning, delivery and establishment of FCP, playing a critical role in identifying collaborative planning opportunities for stakeholders to deliver a well-considered and flexible integrated services hub.



*A family consultation at Yarrabilba Family and Community Place*



## Sarina Range infrastructure reconstruction



*Severe Tropical Cyclone Debbie caused severe damage on the Sarina Range crossing*

Landslides caused by Tropical Cyclone Debbie in 2017 severely damaged the Sarina Range crossing near Mackay. Thirty areas across 26 sites needed repairs, including those where there were two major landslips.

The roads were reconstructed using Australian and Queensland government funding from the Natural Disaster Relief and Recovery Arrangements. Department of Transport and Main Roads staff worked quickly to complete the complex geotechnical project, so drivers had a safe and resilient transport route across the Sarina Range.

The reconstruction works required the removal of enough debris to fill more than 10,500 dump trucks. Almost five kilometres of soil nails were used to stabilise the area, while 7000 blocks were hand-laid to create a retaining wall at the main slip site. More than 50,000 litres of grout and about 40,000 square metres of revegetation were used to secure embankments.

Additional works included sealing two kilometres along Marlborough-Sarina Road, installing guardrails and additional signs, and widening narrow culverts and formations.

The Queensland Government also funded and completed rejuvenation works at the Charles Barton Lookout, which included the installation of signs with historical information about Tropical Cyclone Debbie and other major landslips.



*The Sarina Range during reconstruction*



## A best-practice flood warning infrastructure network for Queensland

The Queensland Reconstruction Authority (QRA) has partnered with local governments and flood warning infrastructure owners to coordinate a best-practice approach for the state's flood warning gauge network. This work – which forms part of the *Queensland Strategy for Disaster Resilience* – helps keep Queenslanders safe by ensuring communities receive sufficient warnings about future floods.

The QRA awarded \$970,000 in funding from the Natural Disaster Resilience Program to five councils for new flood gauge assets. Balonne, Murweh, Paroo, Quilpie and Bulloo identified 26 priority locations for new and upgraded assets that would be the most beneficial and cost-effective.

The councils worked with the QRA and the Bureau of Meteorology to develop Flood Warning Gauge Network Investment Plans that identified the equipment needed to provide the best early flood warnings. A joint procurement process was used to deliver better value for money.

The gauges were delivered and installed in the 2018–19 financial year. The councils are now investigating opportunities for a shared management and maintenance system, and exploring other ways to improve flood warnings throughout the regions. This includes surveying water crossings to analyse how river gauge heights relate to levels at these crossings.

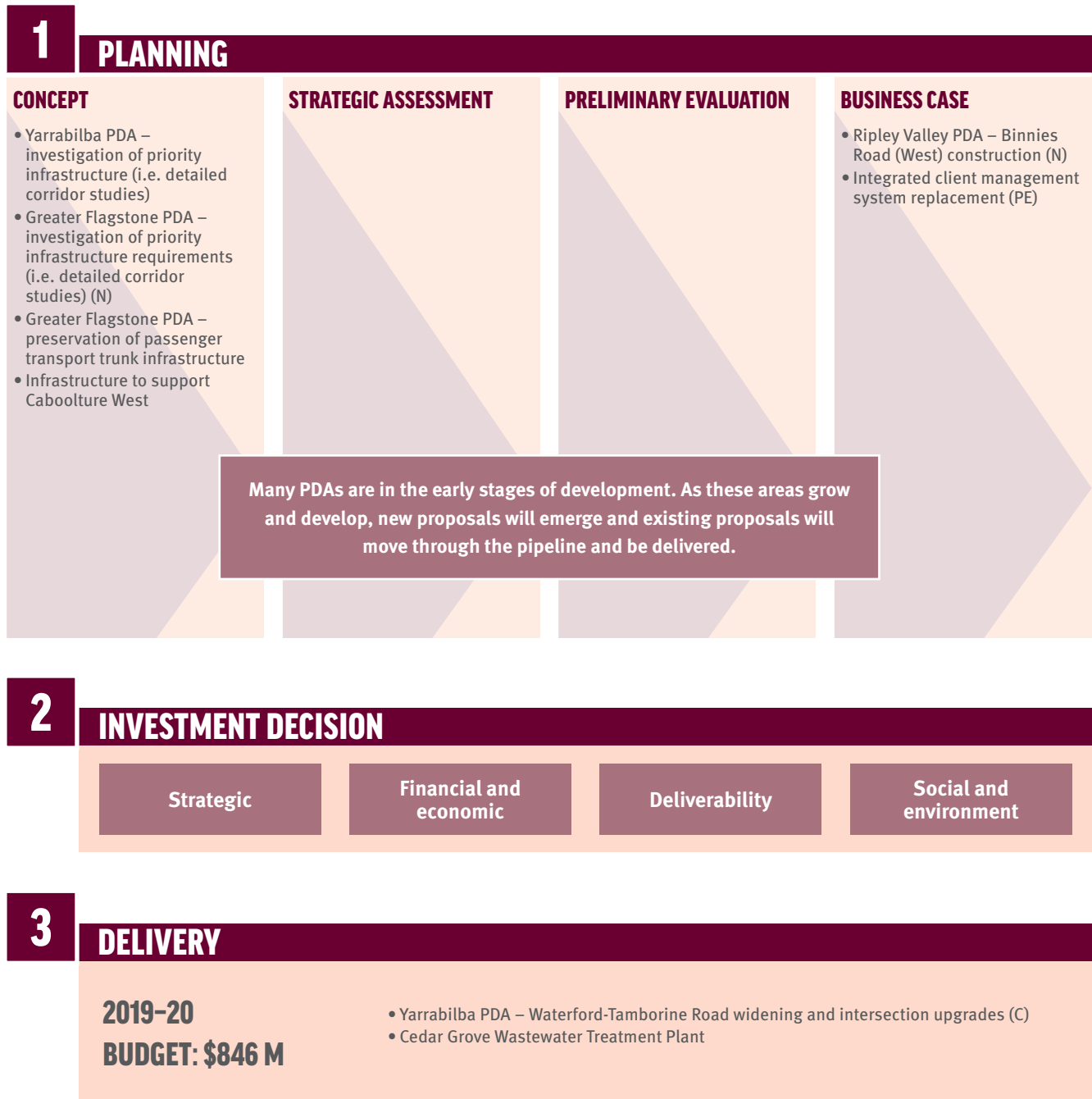
The councils will continue to work together to identify efficiencies, as part of a regional approach to managing the flood warning gauge network.



*Haack Bridge in the Scenic Rim required extensive reconstruction works after it was damaged by Severe Tropical Cyclone Debbie*



## 2019 pipeline



Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Airlie Beach Foreshore Revitalisation	2.657		●			1.797	0.860			
Atherton Community Centre	2.050		●			0.151	1.899			
Wilsonton Neighbourhood Centre	3.800		●			0.429	0.371	3.000		
Bakers Road floodway	0.272		●			0.082	0.095	0.095		
Bowen Beach seawall	0.895		●			0.268	0.313	0.314		
Cairns regional industrial estate	10.000		●				5.000	5.000		
Capricorn Coast Pineapple Rail Trail extension	0.455		●				0.100	0.355		
Clinton Industrial Estate	11.028		●			0.778	0.500	2.250	7.500	
Gladstone SDA	12.974		●			6.724	2.400	2.600	1.250	
Aurukun government employee housing construction	22.600		●			17.289	5.311			
Halifax flood mitigation levee	0.391		●			0.117	0.137	0.137		
Hopeland (Linc Energy) management and remediation project	4.260		●				3.770	0.290	0.200	
Kuranda Skyrail and infrastructure levy	Ongoing		●				0.744			
Mackay beach restoration and mitigation	4.562		●			1.368	3.194			
Mackay Bluewater Trail and Queens Park revitalisation	8.864		●			2.659	3.105	3.100		
Major infrastructure program (Stage 6)	15.000		●			11.250	3.750			
Northern Peninsula Area Water Supply System asbestos cement pipelines replacement	5.000		●			0.300	1.700	1.000	2.000	
Other plant and equipment Department of State Development, Manufacturing, Infrastructure and Planning	Ongoing		●				0.804			
Other state-funded disaster resilience projects	0.370		●			0.111	0.130	0.129		
Paroo Shire Council critical sewerage infrastructure upgrade	9.100		●			2.100	7.000			
Thursday Island Community Hub	4.900		●			1.100	2.500	1.300		
Proserpine Entertainment Centre	5.775		●			1.732	2.022	2.021		
Toowoomba agriculture facilities refurbishment	9.600		●			7.914	1.686			
Bowen Neighbourhood Centre	2.600		●			0.408	0.892	1.300		
RSPCA capital grant	3.000		●			2.086	0.914			
Salisbury Plains Industrial Precinct	5.654		●			1.904	0.250	0.250	3.250	

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
SDA acquisitions	12.329		●			12.329				
Roma student nurse accommodation	5.950		●			1.500	4.450			
The Oasis Townsville	4.300		●		0.200	4.100				
Toowoomba SES Operations Centre	1.000		●		0.300	0.700				
Torres Shire Council water treatment infrastructure upgrade	12.000		●		7.200	4.800				
Torres Strait Islands seawalls and coastal inundation mitigation upgrades	20.000		●		5.000	15.000				
Townsville regional industrial estate	6.925		●		4.425	0.200	0.200	2.100		
The Women's Centre Townsville	3.200		●		0.330	2.870				
Wackford Street drainage	1.884		●		0.565	0.659	0.660			
Whitsunday Coast Airport terminal expansion project	15.000		●		13.500	1.500				
Whitsunday Regional Council administration building	5.000		●		1.500	1.750	1.750			
Yeppoon heritage rail station restoration	0.475		●			0.475				
<b>South East Queensland</b>										
Carseldine Urban Village pedestrian bridge	0.900		●			0.900				
Carseldine Urban Village	31.890		●		7.825	14.066	4.681	5.318		
Electorate office accommodation program	Ongoing		●			1.000				
Gold Coast Health and Knowledge Precinct	31.041		●		21.412	2.371	1.636	1.208	4.414	
Information technology equipment replacements Department of Environment and Science	Ongoing		●			0.900				
Information technology network infrastructure	Ongoing		●			0.500				
Logan City Council flooded road warning system	0.880		●		0.264	0.308	0.308			
New Farm Neighbourhood Centre major upgrade	1.792		●		0.250	1.542				
Northshore Hamilton	345.127		●		52.408	17.265	14.821	16.216	244.418	
Ongoing programs	Ongoing		●		●	10.865				
Other asset replacements Department of Agriculture and Fisheries	0.300		●			0.300				
Other property, plant and equipment	Ongoing		●			1.400				

# Cross-government

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Other state-funded disaster resilience projects	0.083		●			0.025	0.029	0.029		
Oxley PDA	33.045		●			4.138	16.333	10.425	2.149	
Parliament House fence upgrade and restoration	Ongoing		●				1.000			
Parliamentary Annexe critical infrastructure and services upgrade program	14.493		●				3.412	6.219	4.862	
Parliamentary precinct audio-visual infrastructure	Ongoing		●				0.120			
Racing Science Centre laboratory technology upgrades	11.637		●			7.518	1.360	2.759		
Tick Fever Centre refurbishment	1.500		●				0.700	0.800		
Registration and licensing environment	1.623		●				1.623			
Residential Tenancies Authority hardware replacement	0.397				●		0.397			
Residential Tenancies Authority software enhancement	0.803				●		0.803			
Ripley Neighbourhood Centre	4.100		●				0.600	0.130	3.370	
State Library of Queensland digital collection additions	Ongoing		●				0.595			
State Library of Queensland heritage collection additions	Ongoing		●				0.465			
State Library of Queensland information collection additions	Ongoing		●				0.349			
Sunshine Coast industrial precinct (Stage 2)	15.600		●			0.100	0.500	5.000	10.000	
Kallangur Community Centre	4.100		●			0.730	1.270	2.100		
Yeerongpilly Green Transit Oriented Development	66.730		●			52.508	1.890	0.360	0.504	
Yeronga PDA	8.033		●			4.254	0.564	2.318	0.314	
Yeronga PDA	Ongoing		●		●		2.069		0.583	
<b>Statewide</b>										
Local Government Grants and Subsidies Program <sup>1</sup>	Ongoing		●				29.392			
Other plant and equipment Department of State Development, Manufacturing, Infrastructure and Planning	Ongoing		●				0.365			
Works for Queensland	600.000		●			480.000	50.000	50.000	20.000	
Abandoned mines care and maintenance, risk mitigation, remediation and consultation	3.300		●				2.800	0.500		
Ayr nature-based playground – Plantation Park	1.500		●			0.900	0.600			
Bowen townscape project – Beautiful Bowen	5.000		●			3.000	2.000			



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Building our Regions	365.000		●			194.644	97.356	43.000	30.000	
Community Emergency Preparedness Fund	1.150	●				0.345	0.805			
Disaster Recovery Funding Arrangements – local government authorities	Ongoing		●				210.548			
Disaster Resilience Fund	36.000		●			2.100	5.400	9.500	19.000	
Ecosciences and health and food sciences precincts fitout replacement program	Ongoing		●				0.406			
Financial Assurance Framework Reform program	3.975		●			2.932	1.043			
Geoscience Data Modernisation Program – Strategic Resources Exploration Program)	7.125		●			3.766	3.359			
Government employee housing	Ongoing		●				46.445			
Grants management and reporting system	4.706		●			3.440	1.266			
Grants management system	1.702		●			1.472	0.230			
Implementing more effective funding grants to local government	1.300		●			0.191	1.109			
Indigenous Councils Critical Infrastructure Program	120.000		●			52.904	28.765	38.331		
Local Government Levy Ready Grants Program	5.510		●			4.507	1.003			
Natural Disaster Resilience Program (jointly funded with the Australian Government)	15.475	●	●			5.999	6.190	3.286		
Ongoing programs	Ongoing		●				18.306			
Other property, plant and equipment	Ongoing		●				8.416			
Other regional assistance programs	90.153		●			80.665	9.488			
Plant and equipment	Ongoing		●				2.725			
Queensland First Home Owners' Grant	Ongoing		●				109.839			
Residential care upgrades	Ongoing		●				2.053			
Indigenous land and infrastructure programs	102.590	●	●			100.448	2.142			
Stock route network	Ongoing		●				0.800			
Systems development	Ongoing		●				8.627			
Water monitoring network	Ongoing		●				1.150			

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.

Similar projects belonging to different agencies have been combined (e.g. Ongoing programs).

<sup>1</sup>Does not include the planned budget for 2020–21 of \$29.794 million.

## Strengthening Aboriginal and Torres Strait Islander communities

The Queensland Government continues to progress infrastructure and planning initiatives that support the liveability and sustainability of Aboriginal and Torres Strait Islander communities.

### Master planning for resilience

The government is working closely with local councils, communities and Traditional Owners to develop master plans for Aboriginal and Torres Strait Islander regions. These master plans reflect the government's approach to climate change risk management – including 3D modelling of flood impacts – identifying renewable energy options, land-use options that consider sustainable farming, and feasibility analysis and design of priority seawall developments in the Torres Strait. The government is committed to assisting Torres Strait Islander people to implement climate adaptation measures. Examples include the development of a new planning scheme for Torres Shire Council that addresses coastal hazard risks and temperature increases.

### Prioritising community requirements

Community-based working groups have enabled the development of real partnerships between local Aboriginal and Torres Strait Islander councils and stakeholders in remote communities. These groups collaborate to share updates on upcoming and current projects, and to engage on economic development and other opportunities. Discussion topics include infrastructure projects and programs, employment opportunities, integrated capital works programming, tenure dealings, community protocols and other challenges faced by each area. This consultative approach has resulted in highly effective working relationships, transparency, accountability and an improvement in the quality of engagement between all stakeholders.

### Integrated Capital Works Program creating employment opportunities

The government partners with Aboriginal and Torres Strait Islander local governments to coordinate infrastructure projects across remote communities through the Integrated Capital Works Program. This program increases economic outcomes through local employment and business opportunities that arise from delivering infrastructure and maintenance programs in communities. It enhances the government's ability to address the challenges experienced in delivering infrastructure programs in these remote locations, including seasonality issues (monsoon season, flooding, road closures,

load limits and transporting construction materials by barge), limited accommodation, resolving native title, negotiating Indigenous Land Use Agreements, and assessing traditional boundaries and cultural heritage issues.

### Splash Parks promote inclusive communities

The splash parks program highlights the government's ability to provide innovative solutions to community needs. It was developed following calls from local communities for recreation precincts that provide a safe and central place for families to cool down and play.



*Aurukun Splash Park*

The Aurukun Splash Park was the first to open in remote parts of the state. It features fun water equipment, including a large dump bucket and water jets, kiosk, toilet facilities, shower and wash-down area, shade, seating and CCTV. Long-term employment opportunities were also provided within the community. Based on the success of the Aurukun project, similar facilities are being completed at Napranum, Mapoon and Pormpuraaw, and scheduled for the Thursday Island and Palm Island communities.

### Thursday Island Hospital and Primary Health Care Centre

The government has committed \$46 million for the redevelopment of both the Thursday Island Hospital and Primary Health Care Centre. The projects will improve primary and secondary healthcare and enable better integration of service delivery into Torres Strait Islander communities.



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Sequence the delivery of new growth areas to maximise the use of existing infrastructure and manage capital expenditure on new infrastructure.

**Status update:** The sequencing of infrastructure for new growth areas is guided by regional planning programs, including the SEQ Growth Monitoring Program, and delivered through local government planning schemes, development approvals, statewide infrastructure programs and other mechanisms.

### Opportunity 2

Secure transport, port facilities, water infrastructure and community amenities to unlock thermal coal in the Galilee and Surat basins, bauxite deposits near Aurukun, and under-explored gas reserves in the Cooper Basin.

**Status update:** The *Queensland Freight Strategy – Advancing Freight in Queensland* was released by the Minister for Transport and Main Roads in March 2019. Future resource sector freight requirements, such as those in the Galilee Basin, will be considered as part of the two-year Queensland Freight Action Plan, which is under development.

### Opportunity 3

Investigate the impacts of climate change on existing and proposed state infrastructure and implement appropriate mitigation measures.

**Status update:** This joint initiative between the Department of State Development Manufacturing Infrastructure and Planning, and the Department of Environment and Science is continuing the analysis of resilience of public infrastructure based on available asset data and the impact of climate change. A report on the preliminary results, which is expected later in 2019, will inform analysis of more public infrastructure assets in 2019–20.

### Opportunity 4

Investigate impacts on the Great Barrier Reef and prioritise infrastructure to support water quality improvements.

**Status update:** This opportunity is being progressed through projects funded under the Great Barrier Reef Island Resorts Rejuvenation Program, which support improved tourism operations. The Department of Environment and Science has also contracted the Local Government Association of Queensland to prioritise sewage treatment plant upgrades in Great Barrier Reef catchments, taking into account water quality impacts, with a view to prioritising future investment.

### Opportunity 5

Implement strategies to protect the heritage values of the state's heritage-listed courthouses and health and education facilities.

**Status update:** The Department of Environment and Science continues to advance this opportunity, including working closely with the Department of Education on the implementation of the Heritage Schools Strategy.

### Opportunity 6

Maximise advances in technology to enhance asset preservation.

**Status update:** The government released its principles for building information modelling (BIM) implementation in November 2018. Detailed business cases for major projects with an estimated capital cost of \$50 million or more are now required to use BIM. These principles apply to the design, delivery and asset management of government construction projects.



## Opportunity 7

Implement a coordinated cross-agency approach to social infrastructure planning, sequencing and delivery.

**Status update:** The CHaPs program continues to drive a coordinated, cross-agency approach to the planning, sequencing, design, delivery and use of social infrastructure. An initiative of the SIP, the Strategy for Social Infrastructure is progressing the government's cross-agency approach through key implementation actions. This includes strengthening the role of the CHaPs program through the delivery of key initiatives, such as a pilot social infrastructure investment strategy for the Yarrabilba PDA.

## Opportunity 8

Explore opportunities to better use assets through co-location, better coordination and connected service delivery.

**Status update:** The CHaPs program is working with relevant state agencies to progress opportunities to deliver integrated solutions in growth areas, including the four major SEQ PDAs of Caloundra South, Ripley Valley, Yarrabilba and Greater Flagstone.

FCP at Yarrabilba demonstrates the effectiveness of collaborating to plan and deliver new education and community facilities.

The Department of Communities, Disability Services and Seniors, Department of Education, Brisbane Catholic Education and Logan City Council are working with CHaPs to progress a business case for an integrated services precinct focused on connecting, earning and learning, incorporating the planned Yarrabilba neighbourhood centre.

## Opportunity 9

In partnership with industry, build Queensland's public and private sector capability to move towards a mandatory adoption of BIM on building projects by 2020 and on major infrastructure by 2023.

**Status update:** The government released its principles for BIM implementation in November 2018. Under the principles, detailed business cases for major projects with an estimated capital cost of \$50 million or more

are now required to use BIM. These principles apply to the design, delivery and asset management of government construction projects.

## Opportunity 10

Develop port master plans that integrate with adjoining infrastructure and land-use planning documents.

**Status update:** Master planning processes for the state's priority ports are progressing. A final master plan for the Port of Gladstone was released in November 2018, while a draft plan for the Port of Townsville was released for public consultation on the same day.

Gladstone is the first priority port in Queensland to have a master plan prepared and finalised.

## Opportunity 11

In partnership with utility suppliers, investigate opportunities through precinct utility planning to co-locate services, such as water, energy and telecommunication infrastructure.

**Status update:** This opportunity is being progressed through the *Digital Infrastructure Plan*, which will encourage and support the co-location of digital and other infrastructure. For example, incorporating optical fibre cable and/or conduits as part of civil work projects significantly reduces the cost of deploying new digital infrastructure and enhances network coverage.

## Opportunity 12

Engage with asset owners early in the planning process to identify opportunities for innovation. For example, opportunities for precinct-wide approaches to water recycling or access to transport corridors.

**Status update:** The Department of Housing and Public Works facilitates cross-agency discussions on future digital policy and investment directions, including accelerating investment in next-stage digital infrastructure such as 5G.



## Future opportunities – continued

### Opportunity 13

Increase engagement with local service providers for the construction and maintenance of state government infrastructure, such as housing and other facilities.

**Status update:** The Department of Housing and Public Works is facilitating a coordinated government approach with local service providers to facilitate infrastructure in regional communities.

### Opportunity 14

Engage with Aboriginal and Torres Strait Islander local governments to develop strategies to eliminate the duplication of Queensland and Australian government, and non-government, services and administration.

**Status update:** The Department of Aboriginal and Torres Strait Islander Partnerships is actively looking at ways to eliminate the duplication of services and administration. The services hub, or One-Stop-Shop, in Cairns continues to facilitate standardised service delivery and a stakeholder reference group has been established to identify other efficiencies.

### Opportunity 15

Secure transport, port facilities, water and other relevant infrastructure to support agricultural growth, with an emphasis on northern Queensland.

**Status update:** Infrastructure investment is being directed into the channel widening at the Port of Townsville and road freight route upgrades.

The proposed Rookwood Weir project will provide up to 42,000 megalitres of water for new agriculture production in Central Queensland.

### Opportunity 16

Invest in infrastructure that will improve the efficiency, reliability and flexibility of agricultural supply chains in order to better serve existing and new export markets.

**Status update:** Work is continuing on the \$77.32 million Toowoomba Range capacity and clearance upgrades project, which includes increasing the height of 11 rail tunnels between Toowoomba and Brisbane. This will ensure more exporters can use the corridor, helping to support the growth and prosperity of Queensland's agricultural sector.

Work is also underway to identify and prioritise future opportunities to capitalise on the proposed Inland Rail project for agriculture and other exports.

### Opportunity 17

Secure appropriate infrastructure and develop regional connections to enable Queensland to capitalise on growth in the drive, rail, cruise and aviation tourism sectors.

**Status update:** This is being progressed through the Queensland Tourism and Transport Strategy. The government is investing \$8.4 million in strategic touring routes and tourist drives over the four years to 2021 through the Queensland Transport and Roads Investment Program (QTRIP).

### Opportunity 18

Identify catalytic infrastructure to support new agricultural, biowaste and biorefinery hubs across regional Queensland.

**Status update:** The government will provide up to \$10 million from the Jobs and Regional Growth Fund to support the development of a pilot export distribution centre in regional Queensland. It will boost exports, create jobs and enhance the productivity of agriculture industries by capitalising on the state's reputation as a world leader in the production and processing of quality produce. Two proponents have been selected to prepare business cases. The successful company will receive funding to construct the pilot distribution centre, subject to commercial viability.

## Opportunity 19

Investigate opportunities to improve material, manufacturing and construction practices that reduce energy consumption, greenhouse gas emissions and improve sustainable construction. For example, the global Cement Sustainability Initiative.

**Status update:** The Department of Transport and Main Roads is continuing its Cement Sustainability Initiative research through laboratory stress tests and technology pilots. It is also investigating other sustainable initiatives, including changing to high modulus asphalt (EME2) pavements, using crumb rubber modified binder and recycled glass. The Gateway Upgrade North project in Brisbane was the first large-scale example of EME2 asphalt. It used up to 20 per cent less asphalt to deliver the same performance as conventional pavements.

## Opportunity 20

Embrace technological advances for improved delivery/use of public services, particularly those that decrease demand for investment in hard infrastructure.

**Status update:** The Queensland Government's approach to infrastructure planning, outlined in the SIP, encourages creative thinking to come up with solutions that reform and re-use infrastructure rather than building new.



*Bohle Industrial Estate, Townsville*

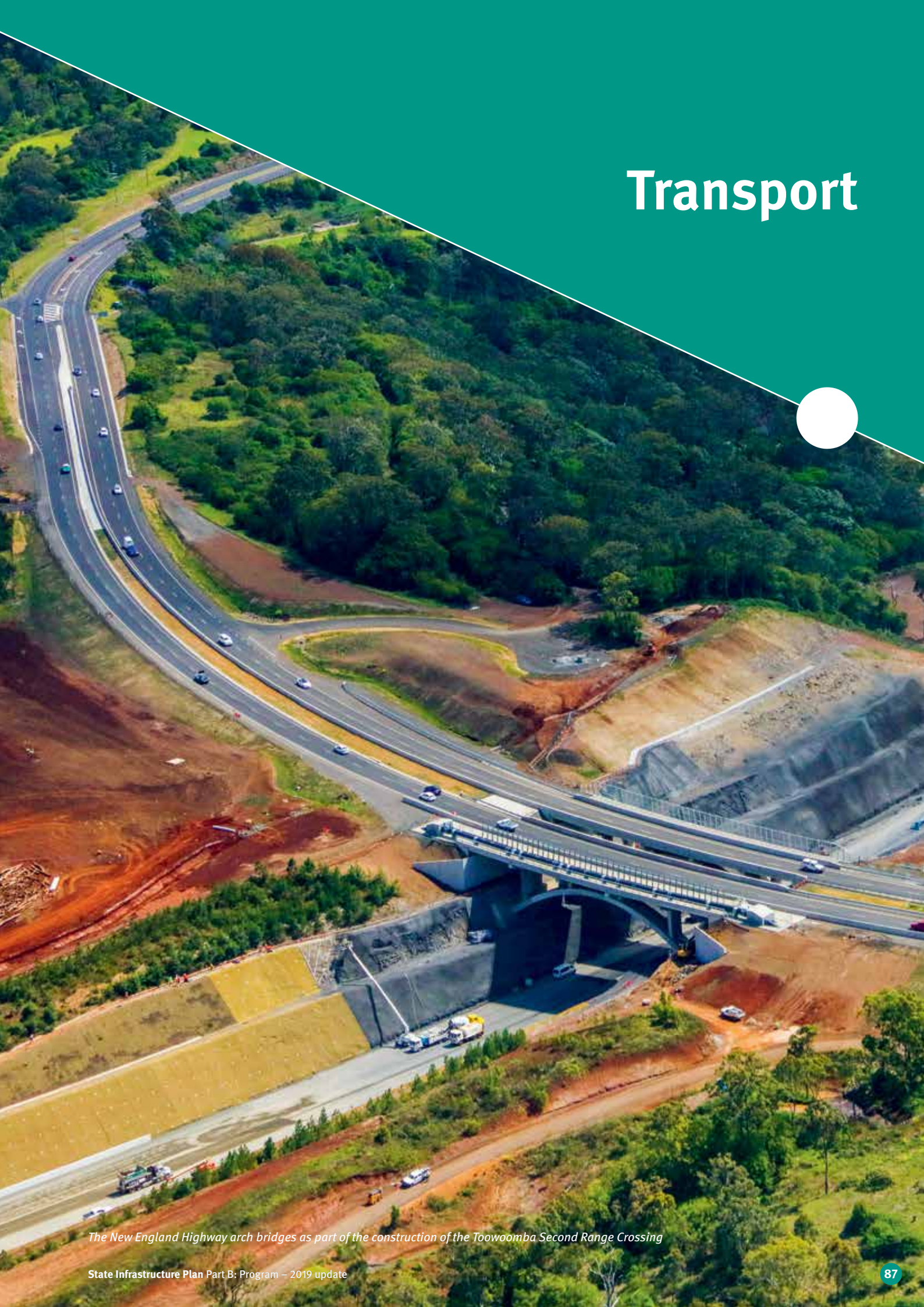




*Construction of the Toowoomba Enterprise Hub, funded through Building our Regions*



# Transport



*The New England Highway arch bridges as part of the construction of the Toowoomba Second Range Crossing*



**Queensland's transport network strengthens the economy by connecting communities, cities and industries to each other, the rest of Australia and the world.**

Building an integrated, safe, freight-efficient and resilient transport system now and into the future will help businesses succeed and boost regional employment, while also ensuring Queenslanders have access to fresh produce and the resources needed to maintain a good quality of life.

The performance of the state's freight networks continues to be a priority, with a focus on improved connectivity, access and unlocking economic opportunities.

All future transport infrastructure investment will require smart, value-for-money solutions and innovative approaches to planning, building and operation maintenance of the transport network.

New technologies and emerging business models are already beginning to transform the way people and goods move. Many more changes are on the horizon, offering the potential to provide a safer, more affordable and sustainable transport system.

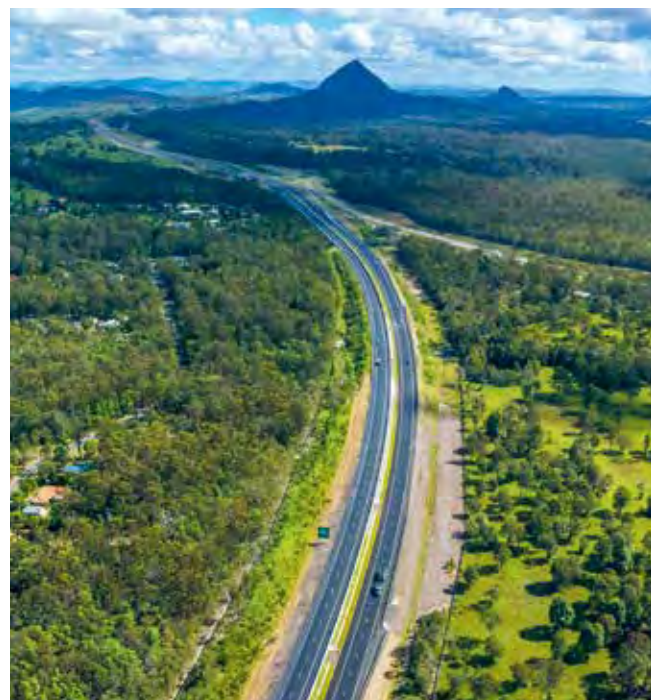
The planning and development of land-use strongly influences travel demand and the efficiency of public transport services. At the same time, the availability of and access to transport infrastructure plays a key role in determining the location, scale and distribution of settlement patterns and urban form. The enhanced coordination of land-use and transport planning will continue to improve liveability and support employment, economic and population growth, while reducing congestion and travel times.

Collaborative planning also helps prioritise the investment in and delivery of safe and efficient active transport infrastructure that connects communities and provides health benefits, while reducing private vehicle dependency.

Identifying, planning and preserving future transport corridors for roads, rail, bus, cycling and pedestrians is essential to maintaining connectivity as regions develop and expand. The Queensland Government is proactively preserving, or seeking to preserve, these corridors to bring the state closer together.

## Plans and strategies that inform transport infrastructure investment in Queensland

- ▶ The Department of Transport and Main Roads Strategic Plan 2019–2023
- ▶ Transport Coordination Plan 2017–2027
- ▶ Queensland Freight Strategy – Advancing Freight in Queensland
- ▶ National Freight Strategy
- ▶ National Ports Strategy
- ▶ Queensland Road System Performance Plan
- ▶ Safer Roads, Safer Queensland: Queensland's Road Safety Strategy 2015–2021
- ▶ Safer Roads, Safer Queensland: Queensland's Road Safety Action Plan 2017–2019
- ▶ Queensland Cycling Strategy 2017–2027
- ▶ Bruce Highway Action Plan
- ▶ Warrego Highway Upgrade Strategy
- ▶ Connecting Brisbane
- ▶ Mackay–Isaac–Whitsunday Regional Transport Plan
- ▶ Heavy Vehicle Safety Action Plan 2019–2021.



*An aerial view of the Bruce Highway – Cooroy to Curra (Section A)*



## Key initiatives

### Queensland Transport and Roads Investment Program 2019–20 to 2022–23

- ▶ The program outlines approximately \$23 billion in investment in transport and road infrastructure over the next four years, with an average of approximately 21,500 direct jobs supported over the life of the program.
- ▶ QTRIP:
  - integrates transport and land-use planning to support sustainable transport solutions
  - supports the multi-modal needs of Queenslanders
  - sustains the movement of goods and services around the state
  - connects communities, enhances road safety and reduces congestion
  - supports safe and efficient cycling infrastructure that provides health benefits
  - supports the increased capacity needs on Queensland's freight network.

### Draft Queensland Transport Strategy

- ▶ The Draft Queensland Transport Strategy (QTS) was released in March 2019 for community consultation. It is the government's 30-year vision for transport and details how global and national trends will impact Queensland transport in the future. It discusses how new transport technologies, such as drones, electric vehicles and increasing levels of automation, can substantially transform the transport system.
- ▶ The Draft QTS is a strategic infrastructure document that sits under the SIP and is consistent with its strategic investment framework. It is also aligned to the objectives of the *Transport Coordination Plan 2017–2027*. It explores the potential for reducing the cost of transport and providing new value to customers through emerging business models, such as Mobility as a Service (MaaS) and on-demand shared transport services. While many of these services and technologies are still emerging, the Draft QTS will ensure the benefits of these opportunities can be maximised for all Queenslanders. The Draft QTS is expected to be released later in 2019, subject to government approval.

### Regional Transport Plans

- ▶ Developed in collaboration with local governments, Regional Transport Plans (RTPs) identify transport system priorities at a regional level by considering demographics, industry changes and local government land-use and transport planning.
- ▶ The Mackay–Isaac–Whitsunday plan was released in June 2018, while the remaining RTPs are being finalised following consultation in early-2019.

### Queensland Freight Strategy – Advancing Freight in Queensland and the Queensland Freight Action Plan

- ▶ Developed in partnership with the Queensland Ministerial Freight Council, the *Queensland Freight Strategy – Advancing Freight in Queensland*, outlines a series of commitments to guide policy, planning and investment decision-making over the next 10 years. This will give customers greater choice and support economic growth.
- ▶ The strategy will be implemented through the Draft Queensland Freight Action Plan, which is currently in development, and will ensure the freight system continues to keep pace with new technologies and economic conditions.

### Queensland Walking Strategy

- ▶ The development of this whole-of-government strategy will support the critical role walking plays in the transport system and as part of a healthy and active lifestyle.
- ▶ The Queensland Walking Action Plan 2019–21, which forms part of the overall strategy, will identify the highest priorities to help make walking more comfortable.
- ▶ The strategy will provide the vision, themes, principles, action areas and investment framework to support walking and walkability across Queensland over the next 10 years.

## Queensland state-controlled road network:



spans  
**33,367 km**  
 (as at 30 June 2018)

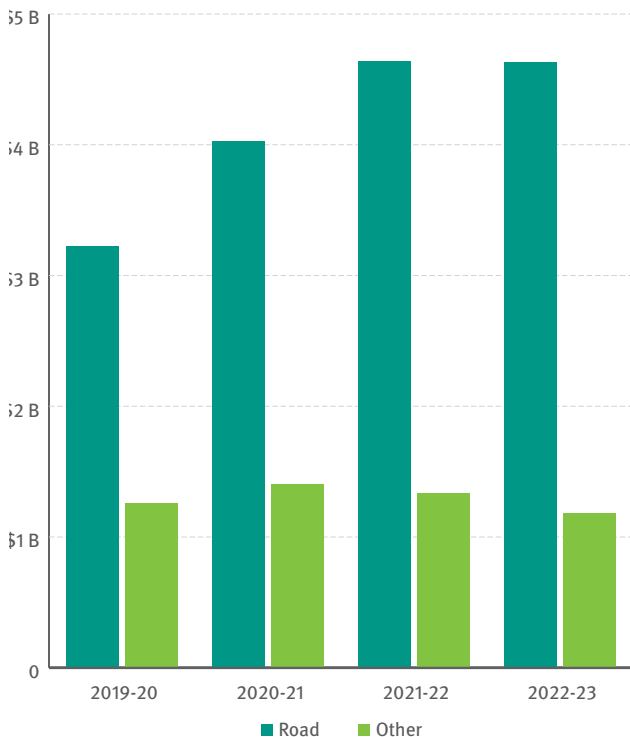
carries  
**80%**  
 of all road traffic

has a gross replacement  
 value of  
**\$73.93 B**  
 (as at 30 June 2018)

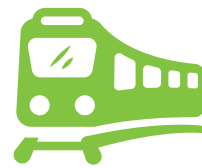


**QTRIP**  
 2019–20 to 2022–23  
**\$23 B**  
 investment in transport and  
 road infrastructure

**QTRIP investment**  
 (2019–20 to 2022–23)



Note: This is indicative analysis that includes state and federal funds. Based on published QTRIP.



Queensland Rail operates and manages  
**7220 km**  
 of rail network across the state



Privately-owned Aurizon operates  
 and manages access to the

**2670 km**  
 Central Queensland coal rail network

### PORTS

Queensland has

**16**  
 trading ports  
 and  
**4**  
 priority ports



Townsville



Abbot Point



Hay Point  
 and Mackay



Gladstone

Total cargo tonnage through  
 Queensland ports in 2017–18

**353 M**

## Public transport



**11 M +**

passenger transport trips  
outside SEQ in 2017–18



**182.83 M**

trips on bus, rail and ferry  
services within SEQ in 2017–18

Note: Estimated actual from the 2017–18 Queensland State Budget – Service Delivery Statements – The Department of Transport and Main Roads.

### Passenger transport services in Queensland operate across:



**6058 km**  
of rail track



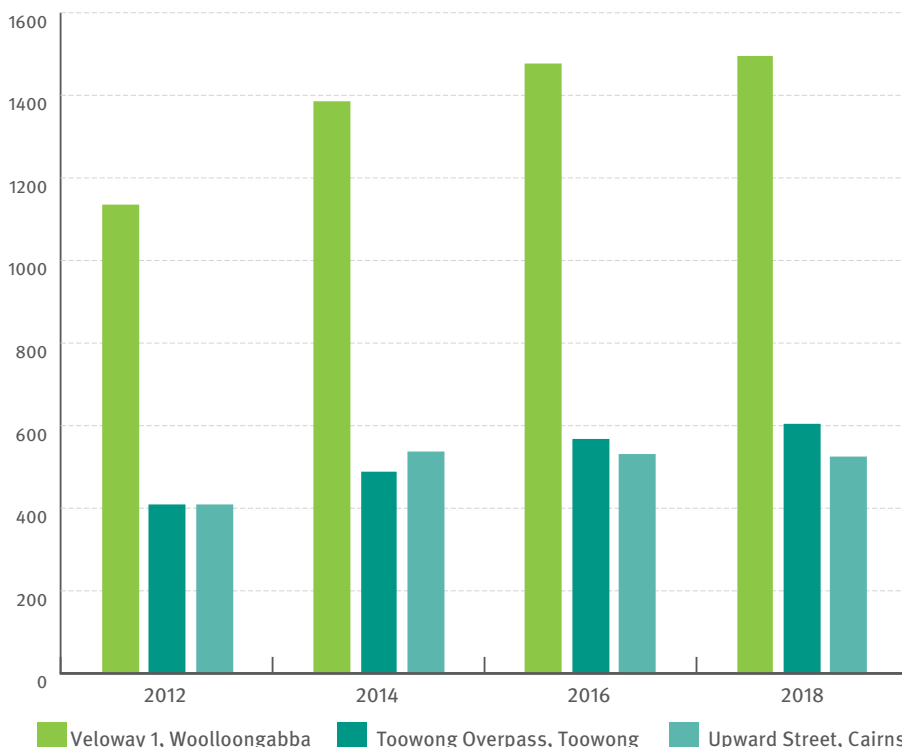
**20.3 km**  
of light rail track



**29 km**  
of busway

## Active transport

### Average number of cyclists per day at selected locations on the principal cycle network:



**802,100**

Queenslanders  
cycle in a typical  
week



**\$219 M**

for Active Transport  
Investment Program in QTRIP

**40 km**

of dedicated  
(off-road)  
cycle paths in  
Queensland





## M1 Pacific Motorway upgrade projects

The M1 Pacific Motorway is one of Australia’s busiest highways and a national key freight route.

More than 165,000 vehicles use the northern section every day, while more than 90,000 use the southern section. Traffic volumes will continue to rise as local communities grow, commercial developments increase and tourism attracts more visitors to SEQ.

Major projects recently completed include:	Location
Coomera interchange (Exit 54)	Coomera
Mudgeeraba (Exit 79) to Robina (Exit 82)	Mudgeeraba to Robina

Major projects under construction include:	Location
M1/M3 Gateway Merge (Stage 1)	Brisbane
Mudgeeraba (Exit 79) to Varsity Lakes (Exit 85)	Mudgeeraba to Varsity Lakes

Major projects in design include:	Location
Eight Mile Plains to Daisy Hill (Stage 2)	Eight Mile Plains to Daisy Hill
Oxenford interchange (Exit 57)	Oxenford
Varsity Lakes (Exit 85) to Tugun (Exit 95)	Varsity Lakes to Tugun

Major projects currently being planned include:	Location
Daisy Hill to Logan Motorway (Stage 3)	Daisy Hill to Logan Motorway
Coomera Connector	Loganholme to Nerang
Yatala North interchange (Exit 38)	Yatala
Yatala South interchange (Exit 41)	Yatala
Ormeau interchange (Exit 45)	Ormeau
Pimpama interchange (Exit 49)	Pimpama

*Note: Funded in partnership with the Australian Government.*

For more information on these and other M1 Pacific Motorway projects, please visit [www.tmr.qld.gov.au/Projects/Name/P/Pacific-Motorway-M1-upgrade-program](http://www.tmr.qld.gov.au/Projects/Name/P/Pacific-Motorway-M1-upgrade-program).



M1 Pacific Motorway Mudgeeraba to Varsity Lakes upgrade

## Bruce Highway upgrade projects

The Bruce Highway is Queensland's major north-south freight and commuter corridor, connecting Brisbane to Cairns over a length of 1677 kilometres. It is also a vital part of the National Land Transport Network, providing linkages for west-east freight such as mining and resources, and inland agriculture production. The Bruce Highway connects these networks to 11 coastal ports and is also a major tourism route.

Major projects recently completed include:	Location
Cattle and Frances Creek upgrade	Ingham
Cooroy to Curra – Traveston to Woondum (Section C)	Gympie

Major projects under construction include:	Location
Cairns Southern Access Corridor – Kate Street to Aumuller Street (Stage 4)	Cairns
Haughton River and Pink Lily Lagoon upgrade	Townsville
Mackay Port Access Road – Mackay Ring Road (Stage 1)	Mackay
Rockhampton Northern Access upgrade (Stage 1)	Rockhampton
Caloundra Road to Sunshine Motorway	Sunshine Coast

Major projects in design include:	Location
Cairns Southern Access Corridor – Edmonton to Gordonvale (Stage 3)	Cairns
Cooroy to Curra – Woondum to Curra (Section D)	Gympie
Maroochydore Road interchange upgrade	Sunshine Coast
Caboolture-Bribie Island Road to Steve Irwin Way	Caloundra to Brisbane
Deception Bay Road interchange upgrade	Deception Bay

Major projects currently being planned include:	Location
Townsville Ring Road (Stage 5)	Townsville
Rockhampton Ring Road	Rockhampton
Tiaro Flood Immunity Upgrade	Tiaro (south of Maryborough)
Pine River to Deception Bay Road	Caloundra to Brisbane
Deception Bay Road to Caboolture-Bribie Island Road interchange	Caloundra to Brisbane
Steve Irwin Way to Caloundra Road	Caloundra to Brisbane
Managed Motorways Pine River to Caloundra Road upgrade	Caloundra to Brisbane

*Note: Funded in partnership with the Australian Government.*

*For more information about these projects or to view an interactive map showing the projects completed, in design or under construction, visit [www.tmr.qld.gov.au/brucehighway](http://www.tmr.qld.gov.au/brucehighway)*

## Queensland rail trails

The Department of Transport and Main Roads is working with local governments to re-purpose the state's network of disused rail corridors.

It is investing \$14 million in grants over four years (from 2017–18) to support local councils to plan, design and construct rail trails as part of the *Queensland Cycling Action Plan*.

The use of these corridors supports active, healthy lifestyles, capitalises on Queensland's great weather, stunning destinations and contributes to environmental preservation and management.

Encouraging locals and visitors to use the rail trails also contributes to the creation and growth of small businesses in the hospitality and tourism sectors.

The grants program builds on the success of those already in operation, such as the Brisbane Valley Rail Trail and the Caboolture to Wamuran Rail Trail.

The program was developed in response to community feedback during the development of the *Queensland Cycling Strategy 2017–2027*.

Interest in recreational, nature-based activities like rail trails was also highlighted more recently during engagement for the Queensland Walking Strategy.



Brisbane Valley Rail Trail

Image courtesy of the Brisbane Valley Rail Trail Users Association

## Port of Townsville expansion

The Port of Townsville is entering a period of significant growth. Enhanced shipping capabilities will cater for increased trade and business opportunities that will support economic development across North Queensland, including North West Minerals Province stakeholders.

The Townsville Channel Capacity Upgrade is the first stage of a larger 30-year, \$1.64 billion Townsville Port Expansion Project, which will be completed progressively as demand requires. The upgrade also forms part of the Townsville City Deal, which was signed in December 2016.

The \$193 million project involves widening the channel to enable larger cargo and cruise ships up to 300 metres in length to safely access the port.

It also allows for the reclamation of new land for future development. All capital dredge material will be beneficially re-used within the approved port reclamation area. The upgrade is scheduled to be completed in 2023.

As announced in the 2019–20 state budget, there are also plans for a new intermodal terminal to be built at the Port of Townsville. Construction could commence as early as mid-2020 and be completed in 2022, subject to a detailed business case and relevant approvals. The aim of the project is to achieve a modal shift of cargo from road to rail, offer flexibility and reduced costs for port users, create jobs and regional economic benefits, and improve the efficiency of the freight supply chain that links the port and the North West Minerals Province.



## 2019 pipeline

### 1

## PLANNING

### CONCEPT

- Salisbury to Beaudesert passenger rail
- Springfield to Redbank rail extension
- Manly to Cleveland rail duplication
- Pacific Motorway widening through Logan (southern)
- Protection of infrastructure corridors (Southern Infrastructure Corridor and extension of Park Ridge Corridor)
- East Petrie bypass
- Varsity Lakes to Elanora passenger rail extension
- Ipswich to Springfield passenger transport
- Coopers Plains level crossing
- Beams Road at Carseldine level crossing
- Mount Lindesay Highway upgrade – Bromelton North-South Arterial Road (Stage 2)
- Gateway Motorway upgrade – Bracken Ridge to Pine River
- Warrego Highway upgrades – Brisbane to Morven
- Cairns CBD to Smithfield Road improvements
- Townsville to Tennant Creek corridor upgrades
- Mount Isa to Rockhampton (Yeppoon) corridor upgrade
- Cooktown to Weipa corridor upgrades
- Townsville to Roma corridor upgrades
- Cunningham Highway – Brisbane to Warwick upgrade

### STRATEGIC ASSESSMENT

- Warwick heavy vehicle bypass
- Port of Brisbane dedicated freight rail corridor
- Port of Gladstone land and sea access upgrade (BC)
- Cairns Western Arterial Road – Redlynch Connection Road to the Captain Cook Highway
- Caboolture-Bribie Island Road – Hickey Road to Saint Road (Stage 1)
- Gladstone Mount Larcom Road upgrade – Gibson Street to Wiggins Island Coal Export Terminal
- M1 Pacific Motorway – Smart Motorways Exit 49 to 72
- M1 Pacific Motorway – Daisy Hill to Loganholme (N)
- M1 Pacific Motorway – Loganholme to Nerang and the Coomera Connector (N)

### PRELIMINARY EVALUATION

- Bruce Highway – Managed Motorway Pine River to Caloundra Road (Stage 2)
- Bruce Highway – Deception Bay Road to Caboolture-Bribie Island Road interchange
- Bruce Highway – Steve Irwin Way to Caloundra Road interchange (Stage 2A)
- Bruce Highway – Steve Irwin Way to Caloundra Road interchange (Stage 2B) (N)
- Mount Isa to Townsville corridor upgrade (BC)
- Bruce Highway – Tiara flood immunity upgrade
- Gold Coast Rail Line capacity improvements – Kuraby to Beenleigh
- Centenary Motorway capacity improvements (N)
- Clapham Yard stabling rail depot (N)
- Gold Coast Rail Line infill rail stations (N)
- Bruce Highway – Hay Point Road to Temples Lane duplication (N)
- Gladstone Port Access Road (Stage 2) (N)
- Bruce Highway – Rockhampton Ring Road (N)
- M1 Pacific Motorway – Exit 45
- Bruce Highway – Cairns Southern Access Corridor (Stage 5) (N)
- Bruce Highway – Pine River to Deception Bay Road

### BUSINESS CASE

- Sunshine Motorway – Mooloolah River interchange
- Clinton Bypass Channel – Gladstone Port
- Bruce Highway – Townsville Ring Road (Stage 5) (SA)
- Mount Lindesay Highway upgrades
- Centenary Motorway – Centenary Bridge Upgrade
- Mackay Port Access Road – Mackay Ring Road (Stage 2) (N)
- M1 Pacific Motorway – Exit 41 and Exit 49 (N)
- Linkfield Road overpass duplication (N)
- Ipswich Motorway Rocklea – Darra (remaining sections)
- Gold Coast Light Rail – Broadbeach South to Burleigh Heads (Stage 3A)

(This list includes key projects only.)

### 2

## INVESTMENT DECISION

Strategic

Financial and economic

Deliverability

Social and environment

### 3

## DELIVERY

**2019–20**  
**BUDGET: \$5.6 B**

- Cairns shipping development project
- Townsville Port Expansion Project (Port of Townsville Channel Upgrade Project)
- Mackay to Bowen Basin service link (BC)
- Eastern Transitway – Coorparoo to Carindale
- Northern Transitway – Kedron to Chermide
- South East Busway extension to Springwood (BC)
- M1 Pacific Motorway upgrade – Mudgeeraba to Varsity Lakes
- Bruce Highway upgrade – Mackay Ring Road (Stage 1)
- M1 Pacific Motorway upgrade – Gateway Motorway merge
- Beerburrum to Nambour rail upgrade
- Bruce Highway upgrade – Caboolture-Bribie Island Road to Steve Irwin Way (BC)
- Bruce Highway upgrade – Deception Bay Road Interchange (BC)
- M1 Pacific Motorway – Eight Miles Plains to Daisy Hill (BC)
- M1 Pacific Motorway – Varsity Lakes to Tugun (BC)
- Smithfield transport corridor upgrade
- Bruce Highway upgrade – Saltwater Creek upgrade (BC)
- Capricorn Highway duplication – Rockhampton to Gracemere
- Hann Highway sealing – Kennedy Developmental Road
- Cross River Rail
- Toowoomba Second Range Crossing
- Bruce Highway upgrade – Townsville Northern Access Intersections Upgrade (BC)
- Bruce Highway upgrade – Maroochydyore Road interchange (BC)

Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
<b>Bruce Highway</b>										
Bruce Highway (Ayr – Townsville), Haughton River Floodplain, construct bridges and approaches	514.335	●	●			60.000	108.031	142.000	204.304	
Bruce Highway (Ayr – Townsville), Mailman Road – Mackenzie Creek, construct overtaking lanes	11.295	●				0.055	5.372	0.108	5.760	
Bruce Highway (Ayr – Townsville), Mailman Road – Mackenzie Creek, widen and seal	23.400	●	●			1.925	6.234	6.242	8.999	
Bruce Highway (Benaraby – Rockhampton), Benaraby to Calliope River, safety works	40.263	●	●			8.368	21.421	10.474		
Bruce Highway (Benaraby – Rockhampton), Calliope River – Mount Larcom, widen pavement	17.560	●	●			0.660	3.825	13.075		
Bruce Highway (Benaraby – Rockhampton), Gentle Annie Road and St Arnauds Creek, widen pavement	26.660	●				0.817	12.334	13.509		
Bruce Highway (Gin Gin – Benaraby), Gin Gin, widening and intersection upgrades	8.630	●	●			4.418	3.567	0.645		
Bruce Highway (Gympie – Maryborough), construct overtaking lanes	14.700	●				0.930	6.062	6.062	1.645	
Bruce Highway (Gympie – Maryborough), various locations, improve intersections	7.560	●	●			1.076	4.000	2.084	0.400	
Bruce Highway (Ingham – Innisfail), various locations, improve intersections	3.959	●	●			0.252	2.871	0.456	0.380	
Bruce Highway (Innisfail – Cairns), Cairns Southern Access Corridor Stage 3, Edmonton to Gordonvale, duplicate from two to four lanes	481.000	●	●			36.745	37.895	90.587	190.773	125.000
Bruce Highway (Innisfail – Cairns), Cairns Southern Access Corridor Stage 4, Kate Street to Aumuller Street, widen four to six lanes	104.070	●	●			29.736	30.301	18.680	25.353	
Bruce Highway (Mackay – Proserpine), Hampden – Kuttalul, widening formation and rehabilitation	28.430	●	●			2.486	2.523	10.088	13.333	
Bruce Highway (Mackay – Proserpine), Mackay Northern Access Upgrade, construct additional lanes	110.565	●	●			11.500	20.000	25.000	54.065	
Bruce Highway (Maryborough – Gin Gin), Apple Tree Creek, improve intersections	12.640	●	●			1.133	2.877	8.630		

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Bruce Highway (Maryborough – Gin Gin), Maryborough Showgrounds and Howard Heights Road, improve intersections	9.780	●	●			2.409	4.713	2.658		
Bruce Highway (Maryborough – Gin Gin), North of Mixhills Road – South of Walla Island Road, construct overtaking lanes	10.260	●				0.711	8.214	1.335		
Bruce Highway (Rockhampton – St Lawrence), Neilsen Avenue – Plentiful Creek, widen pavement	18.271	●	●			0.950	12.434	4.887		
Bruce Highway (Rockhampton – St Lawrence), Plentiful Creek, construct overtaking lanes	9.435	●				0.866	6.900	1.669		
Bruce Highway (Rockhampton – St Lawrence), Terranova Drive, improve intersection	36.048	●	●			7.000	15.000	14.048		
Bruce Highway (Rockhampton – St Lawrence), Rockhampton Northern Access Upgrade (Stage 1)	121.001	●	●		●	58.239	29.062	33.700		
Bruce Highway (St Lawrence – Mackay), Sarina Northern Access, construct roundabout	14.363	●	●			4.281	4.400	1.798	3.883	
Bruce Highway (Townsville – Ingham), Bluewater Station Road and Forestry Road/ Toolakea Beach Road, improve intersections	6.600	●	●			0.008	3.057	1.544	1.991	
Bruce Highway (Townsville – Ingham), Deep Creek – Bluewater Creek, pavement widening	9.431	●	●			0.802	5.476	2.818	0.335	
Bruce Highway (Townsville – Ingham), Two Mile Creek – Sleeper Log Creek, construct overtaking lanes	6.100	●				1.176	2.725	1.374	0.825	
Bruce Highway intersection improvements (Fleming Road to Fishermans Pocket Road, Chatsworth)	11.470	●	●			4.982	4.848	1.640		
<b>Marine</b>										
Bowen Boat Harbour breakwaters extension	3.200		●			0.100	3.100			
Clump Point boat ramp (Mission Beach), upgrade boating infrastructure	23.326	●	●			6.229	17.097			
Corbetts Landing boat ramp and floating walkway	1.400		●			0.100	1.300			
Molongle Creek channel deepening	9.000		●			1.256	3.438	4.306		
Newell boat ramp (north bank of Mossman River), upgrade boating infrastructure	3.200		●			0.220	1.000	1.980		



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Shute Harbour Road boating facilities <sup>14</sup>	3.500		●			0.715	1.285	1.500		
Thompson Point boat ramp and floating walkway	2.000		●			0.200	1.800			
<b>Other road network projects</b>										
Bajool – Port Alma Road, pavement widening and safety upgrades <sup>9</sup>	14.500	●	●			4.138	10.362			
Barkly Highway (Cloncurry – Mount Isa), improve intersections <sup>9</sup>	8.273	●	●			3.430	4.843			
Bowen Developmental Road (Collinsville – Belyando Crossing), Rockingham Creek to Mount Coolon, pave and seal <sup>9</sup>	28.750	●	●			4.131	6.000	10.559	8.060	
Bruce Highway – Mackay Ring Road, construct new two-lane road	497.375	●	●			215.343	60.000	36.219	185.813	
Bundaberg – Gin Gin Road, Burnett River Traffic Bridge rehabilitation	28.550		●			21.046	5.000	2.504		
Burke Developmental Road (Normanton – Dimbulah), Chillagoe – Almaden (Package 1), pavement widening <sup>11</sup>	4.734	●	●			0.741	2.877	1.116		
Burke Developmental Road (Normanton – Dimbulah), Chillagoe – Almaden (Package 2), pavement widening	2.726	●	●			0.482	2.244			
Cairns Western Arterial Road, Harley Street intersection upgrade <sup>16</sup>	16.357		●			0.337	3.353	9.031	3.636	
Capricorn Highway (Alpha – Barcaldine), pavement rehabilitation	2.600		●			0.061	2.539			
Capricorn Highway (Rockhampton – Emerald), Gracemere – Emerald, overtaking lanes	19.000	●	●			2.000	16.800	0.200		
Capricorn Highway duplication (Rockhampton – Gracemere) <sup>9</sup>	74.990	●	●			9.512	35.888	29.590		
Captain Cook Highway (Cairns – Mossman), widen pavement	21.917		●			3.628	3.826	5.774	8.688	
Carnarvon Highway (Injune – Rolleston), pavement widening and five culvert extensions <sup>7</sup>	2.880	●	●			0.245	1.635	1.000		
Carnarvon Highway (St George – Surat), pavement widening and four culvert extensions <sup>7</sup>	4.400	●	●			0.480	2.470	1.450		
Gladstone – Benaraby Road, Philip Street, duplicate lanes <sup>10</sup>	20.000	●				0.850	19.150			
Gladstone – Benaraby Road, various safety treatments	20.400		●			8.022	9.400	2.978		

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Gregory Developmental Road, Charters Towers – The Lynd, widening	45.410		●			26.702	7.278	11.430		
Gregory Downs – Camooweal Road, paving and sealing unsealed road	4.500		●			1.200	3.300			
Kennedy Developmental Road (Hann Highway), The Lynd – Hughenden, sealing <sup>9</sup> <sup>15</sup>	50.000	●	●		●	34.411	11.289	4.300		
Kennedy Developmental Road (Winton – Boulia), pavement rehabilitation <sup>12</sup>	5.131		●			2.717	2.414			
Kennedy Developmental Road (Winton – Boulia), pavement widening and sealing	8.700	●	●				5.115	3.585		
Landsborough Highway (Longreach – Winton), Dingo Creek – Darr River, pavement strengthening and widening <sup>9</sup>	24.980	●	●			9.950	15.030			
Landsborough Highway (Morven – Augathella), pavement rehabilitation and stabilisation	2.200		●			0.032	1.783	0.385		
New England Highway (Yarraman – Toowoomba), Emu Creek Bridge upgrade <sup>7</sup>	9.263	●	●			1.206	8.057			
New England Highway (Yarraman – Toowoomba), Ruthven Street and North Street intersection improvements	6.446		●			0.657	5.189	0.600		
Noondoo – Thallon Road, Moonie River, construct new bridge and approaches	7.589		●			1.043	6.546			
Pasha Road (Moranbah), pave and seal sections	16.000		●			3.000	13.000			
Peak Downs Highway (Clermont – Nebo), Wuthung Road to Caval Ridge, pavement widening and strengthening <sup>9</sup>	35.000	●	●			1.481	7.000	16.220	10.299	
Peak Downs Highway, Eton Range Realignment <sup>13</sup>	189.264	●	●		●	111.177	17.500	9.778	50.809	
Peninsula Developmental Road (Coen – Weipa), Stage 2, Telecom Tower to Archer River, pave and seal <sup>17</sup>	20.500	●	●			5.992	14.508			
Rockhampton road train access (Stage 2) <sup>3</sup> <sup>11</sup>	30.000	●	●			14.870	14.940	0.190		
Smithfield Bypass, construct bypass to a sealed standard <sup>1</sup>	152.000		●			31.029	46.275	42.381	32.315	
Tin Can Bay Road (Gympie), Coondoo Creek Bridge replacement <sup>7</sup>	14.821	●	●			1.876	8.630	4.315		
Toowoomba – Cecil Plains Road, realign Oakey – Pittsworth Road approaches	3.235		●			0.363	2.872			

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Ports</b>										
Abbot Point port development general	15.031				●	0.171	0.980	4.600	0.280	9.000
Auckland Point berth 1 projects	14.340		●			0.210	0.630	7.500	6.000	
Auckland Point berth 4 projects	25.285		●			1.930	8.355	7.500	7.500	
Hay Point autoclaves replacement	4.560				●		2.280	2.280		
Barney Point projects	1.600		●			0.425	1.175			
Cairns shipping development project	127.600		●		●	57.506	70.094			
Fisherman's Landing projects	31.935		●			0.400	3.085	16.450	9.000	3.000
Cairns foreshore development	19.576		●			19.276	0.200		0.050	0.050
Gladstone Ports Corporation various projects	92.988		●			4.212	30.078	13.044	26.019	19.635
Hay Point port development general	2.557				●	0.543	0.094	0.090	0.100	1.730
Louisa Creek acquisition program	5.195				●	0.237	1.052	1.052	2.854	
Mackay tug berth facilities (Stage 1)	8.000				●	0.216	7.784			
Mourilyan lease acquisitions	0.966		●			0.300	0.333	0.333		
North Queensland Bulk Ports Corporation various projects	46.766				●	2.074	5.887	2.000	17.045	19.760
Port of Townsville wharf facilities upgrade	19.649				●	0.663	4.900	2.359	6.448	5.279
Pilotage upgrade and replacements	7.909				●		0.048	3.230	3.838	0.793
Ports North plant, equipment and minor works	4.338		●				1.636	1.004	1.414	0.284
Port of Bundaberg projects	4.875		●			1.267	1.608	2.000		
Port of Cairns – Marlin Marina reconfiguration and expansion	4.843		●			1.893	1.850	1.100		
Port of Cairns – Tingira Street subdivision development	14.799		●			4.799	2.000	2.250	3.750	2.000
Port of Gladstone capacity maximisation	2.900		●			1.500	1.400			
Port of Gladstone conveyor life extension	87.318		●			7.764	9.778	10.976	36.000	22.800
Port of Gladstone port services projects	87.233		●			31.305	32.408	9.020	14.500	
Port of Gladstone process control systems, stockpile management and upgrades	168.025		●			11.065	25.617	44.403	61.230	25.710
Port of Townsville – Berth 4 cranes and cargo terminal area	29.306				●	4.290	17.465	7.593		
Port of Townsville – Townsville Channel Capacity Upgrade	193.460	●	●		●	21.141	83.831	41.462	47.026	
Port of Townsville plant, equipment and minor works	17.326				●		8.147	3.298	4.685	1.197



Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Port of Townsville various projects	20.867				●	0.285	10.132	5.720	2.700	2.030
Port of Gladstone South Trees projects	7.200		●				1.800	1.800	3.600	
North Queensland Bulk Ports transformer project ERP implementation	3.000				●		1.500	1.500		
Hay Point VTS building upgrade	0.678				●	0.008	0.520	0.150		
Weipa Port development general	1.160				●		0.700	0.060	0.200	0.200
<b>Public and active transport</b>										
Reid Park active transport bridge	7.400		●				4.000	3.400		
<b>Rail</b>										
Toowoomba Range capacity and clearance upgrades	77.320		●			70.975	6.345			
Townsville – Mount Isa rail line	Ongoing		●				17.647			
Yeppoon rail line upgrade	5.046		●			3.953	1.093			
<b>Warrego Highway</b>										
Warrego Highway (Dalby – Miles), various locations, widen and seal shoulders <sup>8</sup>	11.653	●	●			1.865	8.277	1.511		
Warrego Highway (Dalby – Miles), widening and apply wide centre line treatment <sup>8</sup>	63.640	●	●		●	16.391	28.559	18.690		
Warrego Highway (Miles – Roma), pavement rehabilitation and stabilisation	2.521		●			0.083	2.438			
Warrego Highway, Chinchilla Rail Crossing Upgrade <sup>8</sup>	19.040	●	●			5.172	12.110	1.758		
Warrego Highway, Oakey – Miles, safety upgrade <sup>8</sup>	43.510	●	●			33.208	8.195	2.107		
<b>South East Queensland</b>										
<b>Bruce Highway</b>										
Bruce Highway (Brisbane – Gympie), Deception Bay Road interchange upgrade	150.000	●	●			6.253	36.847	45.000	61.900	
Bruce Highway (Brisbane – Gympie), Maroochydore Road interchange upgrade	301.250	●	●			43.232	40.000	90.000	128.018	
Bruce Highway (Caloundra Road to Sunshine Motorway)	812.948	●	●			499.194	186.000	49.000	78.754	
<b>Marine</b>										
Boating infrastructure program	3.545		●			0.375	0.220	1.350	1.600	
Navigation access and safety	13.246		●			5.751	1.795	0.900	4.800	
Plant, equipment and minor works	8.944		●			1.899	4.295	1.550	1.200	
Scarborough Boat Harbour, construct barge ramp	4.000		●			0.132	3.868			

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	2020–21	Indicative 2021–22 to 2022–23	Beyond
<b>Other road network projects</b>										
Beaudesert – Beenleigh Road, various safety treatments	12.000		●			5.500	5.000	1.500		
Brisbane – Woodford Road, Dixon Street, improve intersection	3.500		●			0.466	3.034			
Burpengary – Caboolture Road and Beerburrum Road, improve intersections	28.800		●			8.700	9.500	10.600		
Caboolture – Bribie Island Road (Old Toorbul Point Road), intersection signalisation	10.400		●			0.450	5.665	4.285		
Caboolture Connection Road, improve intersections	7.555		●			3.034	2.833	1.688		
Centenary Motorway, Sumners Road interchange upgrade <sup>1</sup>	80.000		●			10.484	16.000	20.000	33.516	
Cleveland – Redland Bay Road (Cleveland), Anita Street, intersection upgrade	5.000		●			0.500	3.000	1.500		
Deception Bay Road (Rothwell), Morris Road, improve intersection	6.000		●			0.296	4.954	0.750		
Dohles Rocks Road boat ramp, upgrade boating infrastructure	1.500		●			0.200	1.300			
Everton Park Link Road (Stafford Road – South Pine Road), construct new link road	26.000		●			1.629	8.000	12.471	3.900	
Ipswich Motorway, Rocklea to Darra (Stage 1) upgrade <sup>3</sup>	400.000	●	●			162.310	70.000	27.000	140.690	
Linkfield Connection Road, (Gympie Arterial Road), extend on-ramp	3.186		●			0.271	2.287	0.228	0.400	
Mount Lindesay Highway (Brisbane – Beaudesert), Camp Cable Road – Johanna Street, four-lane upgrade	20.000		●			3.100	12.000	4.900		
Mount Lindesay Highway (Brisbane – Beaudesert), Greenbank Road, North Maclean, improve intersection	20.000	●	●			10.061	9.939			
Mount Lindesay Highway (Brisbane – Beaudesert), Rosia Road – Stoney Camp Road, four-lane upgrade	20.000		●			0.800	16.200	3.000		
Mount Lindesay Highway (Brisbane – Beaudesert), Stockleigh Road, South Maclean, improve intersection	14.000		●			3.440	7.560	3.000		
Ongoing programs	Ongoing		●				17.483			
M1 Pacific Motorway Exit 57 (Oxenford) interchange upgrade <sup>1</sup>	25.000		●			3.000	12.000	10.000		
M1 Pacific Motorway (Mudgeeraba – Varsity Lakes) extra lanes <sup>1,2</sup>	197.500	●	●			123.216	65.479	8.805		

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		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
M1 Pacific Motorway (Rochedale South), Miles Platting Road to Rochedale Road (Gateway Merge) <sup>3,4</sup>	195.300	●	●			113.427	59.720	16.853	5.300	
M1 Pacific Motorway, Eight Mile Plains – Daisy Hill <sup>5</sup>	749.000	●	●			23.438	25.312	74.600	485.400	140.250
M1 Pacific Motorway, Varsity Lakes to Tugun <sup>15</sup>	1,030.000	●	●			16.151	45.000	70.000	483.849	415.000
Redcliffe Road, Anzac Avenue/ Gympie Road/Dayboro Road (Petrie roundabout), improve intersection	30.000		●			1.500	10.500	12.000	6.000	
<b>Public and active transport</b>										
Albion Station upgrade	17.078		●			1.138	1.793	10.038	4.109	
Auchenflower Station upgrade	43.997		●			1.577	4.480	14.400	23.540	
Boondall Station upgrade	19.422		●			11.016	5.626	2.780		
Buranda Station upgrade	29.097		●			1.279	3.279	16.921	7.618	
Cannon Hill Station upgrade	26.668		●			1.311	4.102	12.544	8.712	
Cross River Rail	6,725.804		●		●	849.032	1,479.707	1,539.463	2,419.731	437.871
Cross River Rail, third party returnable works	162.196		●				49.658	30.871	81.667	
Dakabin station upgrade	41.899		●			2.092	15.248	21.308	3.251	
Darra Train Station – Park 'n' Ride <sup>20</sup>	8.770		●			2.914	0.273	2.984	2.599	
East Ipswich train station upgrade	34.812		●			1.023	6.454	15.271	12.064	
Eastern Transitway	22.000		●			1.033	1.893	6.230	12.844	
Eight Mile Plains bus station Park 'n' Ride upgrade	4.500		●			1.448	2.441	0.611		
Fairfield Train Station – Salisbury Train Station upgrades	57.000		●				2.000	20.000	35.000	
Geebung Station – Park 'n' Ride <sup>20</sup>	3.100		●			0.160	0.427	1.294	1.219	
Greenbank Bus Park 'n' Ride Upgrade	21.000		●			2.409	2.281	6.474	9.836	
Lawnton Station – Park 'n' Ride <sup>20</sup>	10.400		●			2.739	0.594	2.349	4.718	
Lindum Station – Park 'n' Ride <sup>20</sup>	5.000		●			0.230	0.216	2.222	2.332	
Morayfield station upgrade	21.685		●			13.209	5.984	2.492		
New Generation Rollingstock <sup>19</sup>	4,155.705		●		●	1,341.398	213.285	71.456	99.277	2,430.289
North Brisbane Bikeway (Stage 2 and 3), Somerset Street to Rigby Street and Rigby Street to Price Street, design and construct cycle facilities	17.180		●			5.762	5.300	2.901	3.217	
North Coast line – Beerburum to Nambour rail upgrade <sup>6</sup>	550.791	●	●			3.500	49.971	164.369	242.951	90.000
Northern Transitway	53.000		●			2.686	2.560	17.529	30.225	



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Other Central Station upgrades	1.459		●			0.193		1.266		
Roma Street busway interchange	250.000		●			20.000	19.000	182.000	29.000	
Salisbury Station Park 'n' Ride <sup>20</sup>	14.500		●		4.010	0.273	5.155	5.062		
Southbank Station upgrade	11.080		●		2.230	8.850				
Springfield Central Station – Park 'n' Ride <sup>20</sup>	44.500		●		0.550	2.361	17.568	24.020		
Strathpine Station upgrades	28.366		●		14.605	7.945	5.816			
Veloway 1 (V1) Cycleway, Logan Road (Levington Road – Kingston Road), construct cycleway	4.000		●		0.500	3.500				
Veloway 1 (V1), Stage E, Birdwood Road to Gaza Road, construct cycleway	42.695		●		14.412	12.413	1.619	14.251		
Virginia Station – Park 'n' Ride <sup>20</sup>	2.300		●		0.164	0.370	0.890	0.876		
<b>Rail</b>										
Breakfast Creek Bridge realignment	40.200		●			5.000	24.000	11.200		
Bridge pier protection	4.000		●			1.000	1.000	2.000		
European Train Control System (Level 2) – Inner City	634.380		●		61.891	73.540	86.668	163.606	248.675	
Mayne Yard accessibility	97.300		●			2.000	36.000	58.300	1.000	
Mayne Yard relocations	22.400		●			6.000	1.000	15.400		
Moolabin power upgrade	18.000		●			1.000	17.000			
Relocation of Roma Street operations (Stage 1)	15.009		●		2.928	12.081				
<b>Statewide</b>										
<b>Bruce Highway</b>										
Bruce Highway safety barrier installation	79.790	●	●		58.049	21.740				
Bruce Highway, additional electric vehicle charging stations program <sup>18</sup>	2.500		●			2.500				
<b>Marine</b>										
Maritime Safety Queensland minor works	Ongoing		●			6.823				
<b>Other road network projects</b>										
Black Spot Program	Ongoing	●				12.178				
Bridges Renewal Program	70.534	●			59.114	9.547	1.873			
Cape York Region Package <sup>17</sup>	50.338	●	●		48.674	1.664				
Construction plant works	Ongoing		●			19.000				
Heavy Vehicle Safety and Productivity Program <sup>7</sup>	Ongoing	●				7.966				

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Ongoing programs	Ongoing		●			19.354				
Other capital grants	26.000	●	●			26.000				
Other construction works	838.687	●	●		●	838.687				
Regional roads infrastructure package	8.302		●			3.293	5.009			
Strategic off-network road projects	60.313	●	●			50.359	5.574	4.380		
Transport Corridor Acquisition Fund	Ongoing		●				60.430			
Transport Infrastructure Development Scheme	Ongoing		●				70.000			
<b>Public and active transport</b>										
Bus stop shelter program	20.000		●			1.000	5.500	6.700	6.800	
Cycling grants program	Ongoing		●				18.481			
New public transport ticketing system	371.060		●			69.964	119.863	83.443	97.790	
Passenger Transport Facilities Program	Ongoing		●				7.214			
Queensland School Bus Upgrade Scheme	Ongoing		●				17.149			
School Transport Infrastructure Program	20.000		●				7.000	6.500	6.500	
Wheelchair accessible taxi sustainability program	20.890		●				4.567	5.651	10.672	
<b>Rail</b>										
Customer service and innovation	Ongoing		●				7.786			
Network below rail cost optimisation <sup>22</sup>	Ongoing		●				14.203			
Network below rail operational performance <sup>22</sup>	Ongoing		●				193.673			
New Generation Rollingstock operational readiness projects	0.192		●				0.192			
New Generation Rollingstock power distribution	48.404		●			35.650	9.842	2.912		
New Generation Rollingstock station compatibility	13.734		●			13.058	0.676			
North Coast Line Capacity Improvement Project (passing loops)	68.224		●			9.274	29.450	24.523	4.977	
Queensland Rail various projects <sup>21</sup>	Ongoing		●				47.392			
Rail Operations above rail cost optimisation <sup>23</sup>	Ongoing		●				5.713			
Rail Operations above rail operational performance <sup>23</sup>	Ongoing		●				101.010			
Relocation of network operations (Stage 1)	41.476		●			3.170	24.446	11.660	2.200	

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Safety program	Ongoing		●			5.019				
Workforce productivity program	Ongoing		●			3.059				

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.

Similar projects belonging to different agencies have been combined (e.g. ongoing programs).

<sup>1</sup> Part of the State Infrastructure Fund.

<sup>2</sup> Indicative total project cost to be confirmed. The Australian Government contribution capped at \$110 million, with the Queensland Government to fund the balance. Queensland Government contribution includes \$44 million from the State Infrastructure Fund.

<sup>3</sup> Part of the State Infrastructure Fund – Priority Economic Works and Productivity Program.

<sup>4</sup> The Australian Government contribution capped at \$115 million, with the Queensland Government to fund the balance. The Queensland Government contribution includes \$42 million from the State Infrastructure Fund – Priority Economic Works and Productivity Program.

<sup>5</sup> Funding arrangements subject to negotiations with the Australian Government.

<sup>6</sup> Indicative total project cost subject to confirmation. Project timing, potential staging and funding arrangements subject to negotiations with the Australian Government.

<sup>7</sup> Part of the Australian Government's Heavy Vehicle Safety and Productivity Program, jointly funded by the Australian Government and Queensland Government.

<sup>8</sup> Part of the \$635 million Warrego Highway Upgrade Package to upgrade the Warrego Highway between Toowoomba and Miles.

<sup>9</sup> Part of the Northern Australia Roads Program.

<sup>10</sup> This project is fully-funded by the Australian Government.

<sup>11</sup> Part of the Northern Australia Beef Roads Program.

<sup>12</sup> Part of the Australian Government's commitment to the Outback Way, jointly funded by the Australian Government and Queensland Government.

<sup>13</sup> The Australian Government will fund 100 per cent of the project cost up to \$166 million. The Queensland Government will contribute up to \$23 million (if required) for costs above \$166 million.

<sup>14</sup> Project is subject to council agreement.

<sup>15</sup> The scope of this work also falls within Etheridge Shire Council, with funding for this project only represented in North West District. The project is part of the Australian Government's Northern Australia Roads Program, jointly funded by the Australian Government and Queensland Government.

<sup>16</sup> Part of the State Infrastructure Fund – Significant Regional Infrastructure Projects and Program.

<sup>17</sup> Part of the Cape York Region Package.

<sup>18</sup> Represents the Queensland Government's funding contribution, as per the Future Proofing the Bruce Policy.

<sup>19</sup> This project is being delivered under a public-private partnership arrangement. For all projects, the total estimated cost is inclusive of both non-capital and capital components of project expenditure.

<sup>20</sup> The project is jointly delivered by Queensland Rail and the Department of Transport and Main Roads.

<sup>21</sup> Projects other than European Train Control System, New Generation Rollingstock – Operational Readiness, Central and other train station upgrades that will grow and enhance the Queensland Rail Network. They are mainly related to infrastructure and civil works.

<sup>22</sup> Below rail includes track infrastructure.

<sup>23</sup> Above rail includes stations, platforms and rollingstock.



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Focus on innovative infrastructure solutions to relieve capacity constraints in the core inner-city rail network to meet the expected passenger demands in SEQ.

**Status update:** Cross River Rail and inner-city bus solutions are being delivered, with completion anticipated in 2024. Delivery on the three major Cross River Rail works packages announced in early 2019 will soon begin. These are the Tunnel, Stations and Development (TSD) public-private partnership, the Rail, Integration and Systems (RIS) alliance and the European Train Control System (ETCS).

### Opportunity 2

Improve service efficiency, reliability and resilience across the bus network through bus priority interventions and busway maintenance.

**Status update:** The Department of Transport and Main Roads is continuing to provide input to Brisbane City Council's Brisbane Metro project to refine and maximise the benefits to passengers through the new system.

### Opportunity 3

Delivery of strategic park 'n' rides at appropriate network locations to support increases in patronage, manage congestion and improve access to public transport for those with limited alternatives.

**Status update:** The Department of Transport and Main Roads will deliver an additional 2350 car parks across nine strategic locations on the network, as part of a \$114m investment. Enhancing park 'n' ride capacity at key public transport locations can increase patronage by making public transport more accessible to a greater number of people.

### Opportunity 4

Maximise the use of active and passenger transport infrastructure to manage congestion and maximise existing infrastructure in the transport network.

**Status update:** The Department of Transport and Main Roads continues to implement the *Queensland Cycling Strategy 2017–2027*, including cycling grants and capital works projects throughout the state. A walking strategy will also be released in late 2019.

Construction of further stages of the North Brisbane Bikeway and Veloway 1 on the Pacific Motorway, as well as upgrades to the Townsville and Victoria Point Central bus stations, were completed in 2018.

### Opportunity 5

Improve regional rail performance, particularly on the North Coast Line, by including passing loops and holding bays to increase rail freight movements.

**Status update:** The Queensland Government is committed to prioritising the upgrade of the North Coast Line to improve safety, efficiency and reliability. The Australian and Queensland governments have committed \$550.8 million in funding for the Beerburrum to Nambour (B2N) Rail Upgrade Project. This will allow for work to start on land acquisition and detailed design, including community consultation.

### Opportunity 6

Respond to growth in population and freight movement by identifying and protecting future transport corridors.

**Status update:** Regional Transport Plans have been developed across the state to identify actions to plan and protect future transport corridors in response to population growth and increased freight movement.

## Future opportunities – continued

### Opportunity 7

Continue to address identified safety deficiencies on the transport network and improve safety of vulnerable road users.

**Status update:** The Targeted Road Safety Program delivers infrastructure-based initiatives as outlined in the *Safer Roads, Safer Queensland: Queensland's Road Safety Action Plan 2017–19*. Key activities include the Safer Roads Sooner, Black Spot, Flashing School Zone Signs and Targeted Safety Interventions programs, and route-based treatments like those delivered through the High Risk Roads package.

### Opportunity 8

Identify opportunities to enhance regulatory frameworks that optimise efficiency of supply chains and integrate transport modes, including coastal shipping.

**Status update:** The *Queensland Freight Strategy – Advancing Freight in Queensland* was released in March 2019. Opportunities to enhance the regulatory framework to optimise supply chain efficiencies of transport modes, including shipping, will be considered in the two-year Queensland Freight Action Plan that is under development.

### Opportunity 9

Improve safety, capacity and efficiency of the existing SEQ rail and bus network.

**Status update:** As outlined in the *Connecting Brisbane* strategy, the Department of Transport and Main Roads is planning the future passenger transport network for Brisbane to support Cross River Rail and Brisbane Metro.

### Opportunity 10

Utilise the latest and most accessible technology to improve the communication and dissemination of real-time travel data to empower customers to make the best decisions when using the transport network.

**Status update:** Real-time passenger information displays, including text-to-voice technologies, have been rolled out at bus stations across SEQ as part of an ongoing QTRIP-funded program.

### Opportunity 11

Increase focus on maintenance and operations of existing infrastructure to realise asset design life and delay the need for costly new infrastructure.

**Status update:** This opportunity continues to be progressed through several maintenance programs. They include the investigation of potential intelligent transport systems and technology tools to better manage congestion and improve journey reliability, and the use of data and analytics to identify and prioritise maintenance works and operations.

### Opportunity 12

Investigate opportunities to expedite the Open Level Crossing Elimination Program.

**Status update:** Planning is progressing to prioritise the elimination of level crossings in the Brisbane area. The Department of Transport and Main Roads is undertaking two planning studies to investigate options to reduce congestion and address safety concerns at Boundary Road at Coopers Plains, and is carrying out a feasibility study for Beams Road at Carseldine.

### Opportunity 13

Investigate cost-effective transport solutions for small volume regional products to access ports.

**Status update:** The *Queensland Freight Strategy – Advancing Freight in Queensland* was released in March 2019. Opportunities to optimise supply chain efficiencies of transport modes, including shipping, will be considered in the two-year Queensland Freight Action Plan currently under development.

### Opportunity 14

Improve axle weight capacity and tunnel height clearances as a means of improving rail capacity.

**Status update:** Work is continuing on the \$77.32 million Toowoomba Range Capacity and Clearance Upgrades project, which includes increasing the height of 11 rail tunnels between Toowoomba and Brisbane. This will ensure more exporters can use the corridor, helping to support the growth and prosperity of Queensland's agricultural sector.

## Opportunity 15

Improve scheduling at ports to increase efficiencies and reduce offshore queuing.

**Status update:** Port authorities continue to work with terminal operators to monitor the scheduling of vessel movements to improve efficiencies.

## Opportunity 16

Identify and protect suitable future intermodal locations.

**Status update:** Investigations for an intermodal freight terminal north of Caboolture continue to be progressed. The Department of Transport and Main Roads is progressing planning for the future protection of potential sites.

## Opportunity 17

Investigate opportunities to enable appropriate development above urban public transport infrastructure.

**Status update:** The Department of Transport and Main Roads is continuing to identify transit-oriented development (TOD) project opportunities to create a network of well-designed, urban communities focused around transit stations. Current projects include Albion and Ferny Grove, while upcoming projects include Corinda and the Varsity Lakes Station Precinct.

## Opportunity 18

Initiate a Regional Bridge Renewal Program.

**Status update:** The Department of Transport and Main Roads continues to replace and upgrade ageing and deficient structures on the Queensland-controlled road network as part of the QTRIP capital program, subject to state and federal funding opportunities.

## Opportunity 19

Improve transport access to the Port of Townsville.

**Status update:** Funding has been committed for the \$193.5 million Townsville Channel Capacity Upgrade as part of stage one of the Townsville Port Expansion project, allowing preliminary works to commence. The project – which will involve widening shipping channels to accommodate larger ships – will be delivered over a six-year period. In September 2018, the Australian Government committed \$75 million funding to match the Queensland Government's funding, while the Port of Townsville will fund \$43 million.

## Opportunity 20

Continue to address passenger transport opportunities for the Gold and Sunshine coasts.

**Status update:** The business case for the Gold Coast Light Rail (Stage 3A) has been completed and endorsed by Building Queensland. Project delivery is dependent on appropriate funding commitments from the Australian Government and City of Gold Coast.

The Queensland Government and Sunshine Coast Regional Council have committed up to \$7.5 million each to develop a detailed business case for the first stage of an integrated urban public transport solution. The development of a southern Sunshine Coast passenger transport strategy is continuing. This opportunity will be progressed through Opportunities 24 and 25 in future updates.

## Opportunity 21

Encourage patronage growth on the SEQ passenger transport network during off-peak times to fully utilise existing infrastructure.

**Status update:** The Department of Transport and Main Roads has implemented several initiatives including SEQ Fairer Fares, which provides off-peak discounts and increased network service levels in off-peak periods on the Sunshine Coast, Gold Coast, Mackay and Toowoomba.



## Future opportunities – continued

### Opportunity 22

Investigate opportunities to improve connections between active and public transport modes to increase accessibility and promote patronage growth.

**Status update:** The Department of Transport and Main Roads continues to plan and deliver improved access to public transport via active transport, feeder and personalised services, and park 'n' ride. These improvements increase the opportunities for interchange between modes and allow more customers to access the public transport system.

### Opportunity 23

Enhance freight capacity and supply chain efficiency.

**Status update:** A joint Australian and Queensland government study is investigating options for a dedicated freight rail corridor to the Port of Brisbane.

### Opportunity 24

Improve passenger and freight movements between Brisbane and the Gold Coast.

**Status update:** Planning is underway for three new stations on the Gold Coast Line, and capacity improvements between Kuraby and Beenleigh.

### Opportunity 25

Improve passenger and freight movements between Brisbane and the Sunshine Coast.

**Status update:** The Australian and Queensland governments have committed \$550.8 million in funding for the Beerburum to Nambour (B2N) Rail Upgrade Project. This will allow for work to start on land acquisition and detailed design, including community consultation.

### Opportunity 26

Improve passenger and freight movements between Brisbane and Ipswich by increasing capacity on the Ipswich Motorway and related rail corridors.

**Status update:** The Ipswich Motorway – Rocklea to Darra upgrade (stage one) project is expected to be completed in late 2020. A business case to upgrade the remaining sections of the road has been assessed by Infrastructure Australia as a high-priority initiative, and forwarded to the Australian Government for funding consideration.

### Opportunity 27

Enhance freight efficiency by removing capacity constraints on key freight routes.

**Status update:** The Department of Transport and Main Roads is progressively addressing capacity constraints on key freight routes through the QTRIP capital program. Recent examples of investments to improve productivity include the Capricorn Highway duplication between Rockhampton and Gracemere, the Eton Range crossing upgrade on the Peak Downs Highway, the Toowoomba Second Range Crossing and Bruce Highway upgrades including the Cooroy to Curra duplication (stages C and D), the Mackay Ring Road and the south of Cairns to Gordonvale duplication.

### Opportunity 28

Prepare the transport network for connected and automated passenger and freight vehicles.

**Status update:** The Department of Transport and Main Roads is progressing this opportunity through several channels, including the advancement of Mobility as a Service (MaaS) in the coming years. That will mean a shift from personally-owned modes of transportation towards aggregated mobility solutions that are consumed as a service, and the release of the *Mobility Disruptions Strategic Options Assessment Report*.

### Opportunity 29

Enhance inter-regional connections to support regional development such as tourism, maritime and agricultural activities.

**Status update:** Regional Transport Plans have been developed across the state. They identify priorities and actions required to enhance inter-regional connections to support economic development, including for tourism, maritime and agriculture sectors.

The Department of Transport and Main Roads is progressively improving key inter-regional routes through the QTRIP capital program, subject to available funding. Examples include the construction of a new overtaking lane, pavement widening and intersection upgrades on the New England Highway, and pavement widening and strengthening on the Flinders and Landsborough highways.

## Opportunity 30

Support Queensland's continued economic development through the long-term sustainable development of key ports.

**Status update:** Some wharf upgrades at the ports of Townsville and Mackay have been completed and further upgrades are planned or progressing. Port development planning is progressing for wharf and channel upgrades at the Port of Gladstone.

A master plan for the priority port of Gladstone was published in November 2018. The development of master plans for the priority ports of Townsville, Hay Point/Mackay and Abbot Point are progressing. Ports North has also started a non-statutory master planning process for Cairns and Mourilyan.

A long-term *Maintenance Dredging Management Plan* that provides an overarching framework for planning, consultation, conduct, monitoring and reporting has been developed for all ports in the Great Barrier Reef World Heritage Area.

## Opportunity 31

Investigate ways to better use port facilities in the Gulf of Carpentaria to meet community and industry demand.

**Status update:** Maintenance dredging of channels in Weipa and Karumba will support ship movements for increased trade and community benefit.

## Opportunity 32

Investigate upgrades to key passenger interchanges across the transport network.

**Status update:** The Department of Transport and Main Roads is continuing to roll-out improvements to passenger transport interchanges to increase reliability and deliver better customer outcomes. The Helensvale bus station was upgraded in mid-2018. Bus stations currently under construction include Townsville and Victoria Point Central.

## Opportunity 33

Provide fit-for-purpose transport infrastructure to support economic productivity and population growth.

**Status update:** The \$23 billion, four-year QTRIP (2019–20 to 2022–23) capital program identifies a broad range of transport projects, which are assessed in relation to costs and benefits, to support economic productivity and population growth.



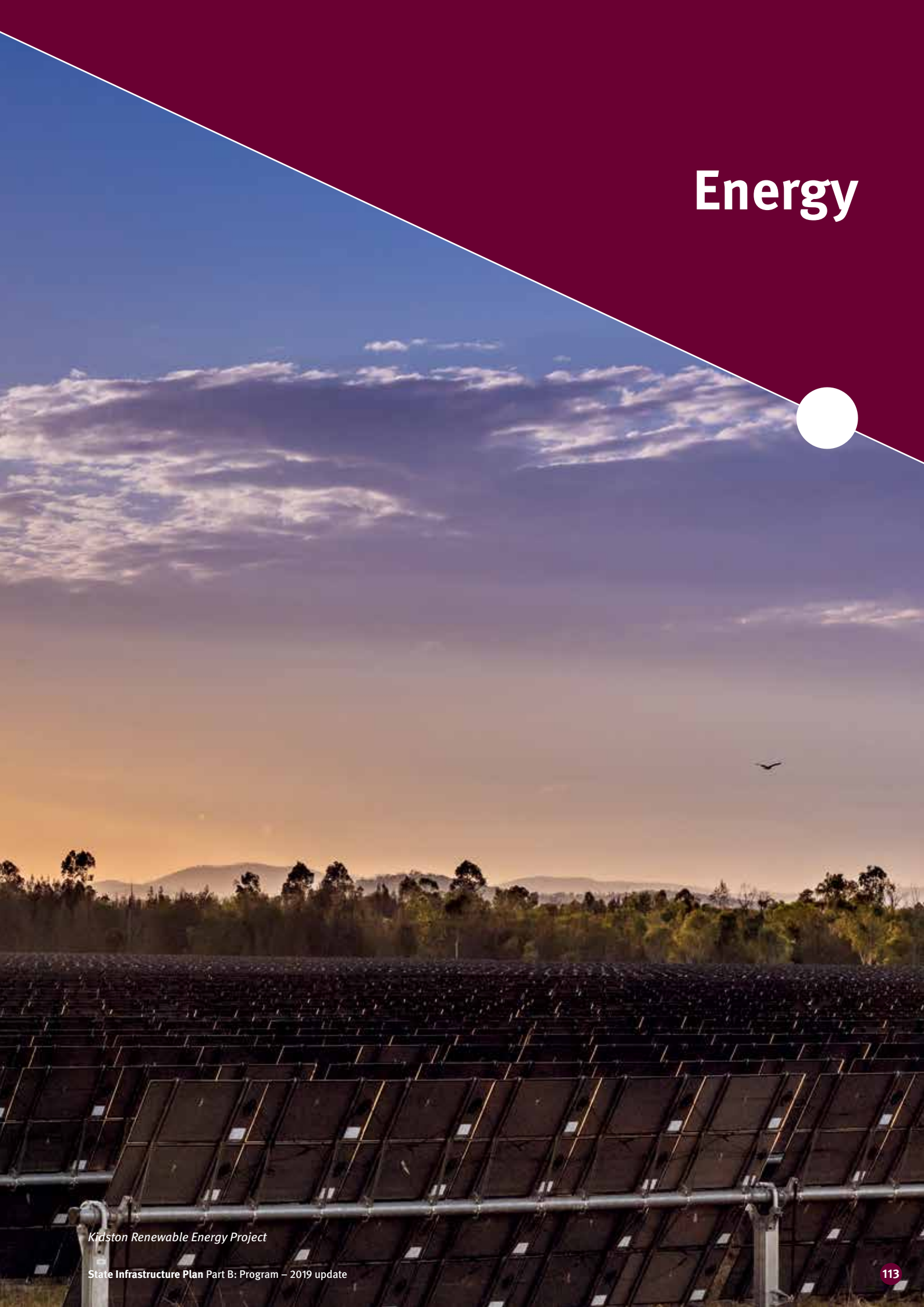
Abbot Point Coal Terminal



*Peak Downs Highway structure replacement*



# Energy



**Queensland is an energy generation powerhouse that is transitioning to a low-carbon future with high levels of energy security and reliability.**

Queensland has a secure and reliable electricity system, backed by the most efficient coal-fired generation fleet on the east coast. The state produces more than 70 per cent of the total east coast gas supply and additional land has been released for gas exclusively for the Australian market. Queensland also has the highest level of rooftop photovoltaics (PV) in the country and the renewable energy industry is experiencing unprecedented growth.

The infrastructure investment underpinning these achievements has occurred under the favourable investment conditions created by the Queensland Government, and delivered through state-owned energy corporations and private sector enterprise.

The government sets or contributes to state and national energy policy and regulatory frameworks through the Department of Natural Resources, Mines and Energy, by providing the stability and certainty private sector investors require to commit to Queensland infrastructure projects.

Government programs under the *Affordable Energy Plan* are supporting investment in new technologies used in distributed generation, such as rooftop PV systems and residential battery storage. As well as giving consumers greater control over their consumption, these technologies can help reduce the overall load on existing network infrastructure and provide lower-cost alternatives to major network upgrades.

The Queensland Government is committed to achieving a target of 50 per cent renewable energy by 2030. This will be achieved through a planned and measured transition that utilises the state's existing coal and gas generation portfolio, and supports new skills and jobs while stabilising prices.

## Key initiatives

### Powering Queensland Plan

The plan, released in mid-2017, sets out the government's strategy to guide the state through the challenges in the energy market.

The \$1.16 billion plan aims to deliver stable energy prices, long-term security of electricity supply, lead the transition to a cleaner energy sector and create new investment and jobs.

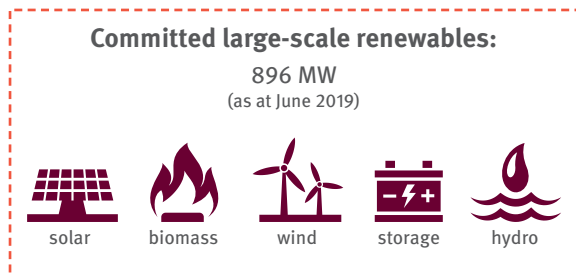
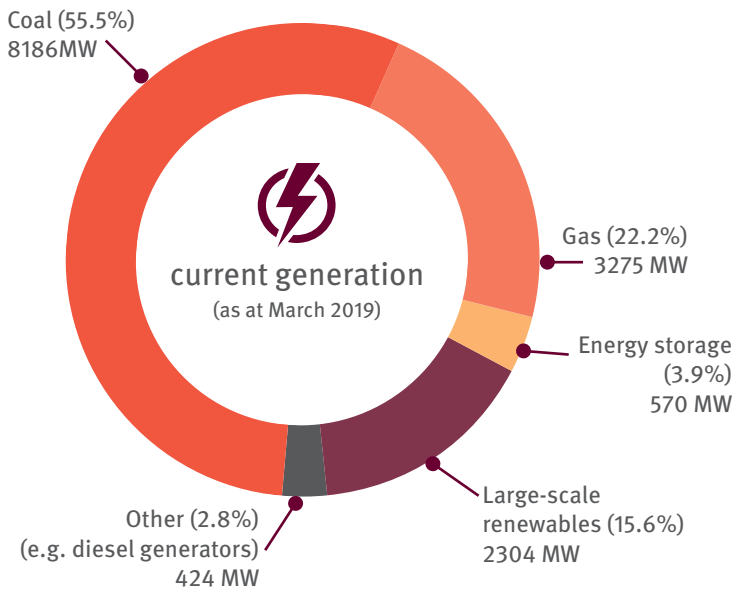
A Regulatory Investment Test for Transmission (RIT-T) aims to investigate options to upgrade the Queensland-New South Wales Interconnector (QNI).

This work will continue until late-2019 and will propose a preferred upgrade option underpinned by technical and economic analysis.

### Achievements

- ▶ The establishment of new state-owned generator Queensland CleanCo (CleanCo) will play an integral role in the Queensland Government's commitment to a clean energy future, and ensure it is achieved in a secure and affordable manner.
- ▶ Increasing gas supply in the east coast Australian market through the release of more than 7000 square kilometres of land for gas exploration and another 17,000 square kilometres without any market condition.
- ▶ Supporting approximately 150 megawatts (MW) of large-scale solar power generation in Queensland. The four projects supported under the Solar 150 program have started or will soon start.
- ▶ The Queensland Energy Security Taskforce developed the *Summer Preparedness Plan 2018–19*, ensuring the state's power system was well-placed to meet demand in the warmer months.

## Queensland's electricity supply



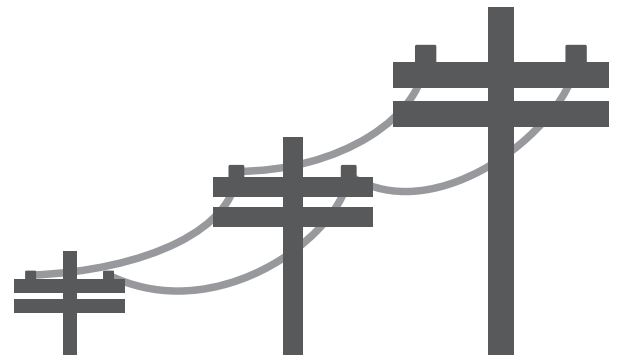
# 2,233,927

Queensland connected customers



# 14,759 MW

of national grid-connected generation capacity



More than

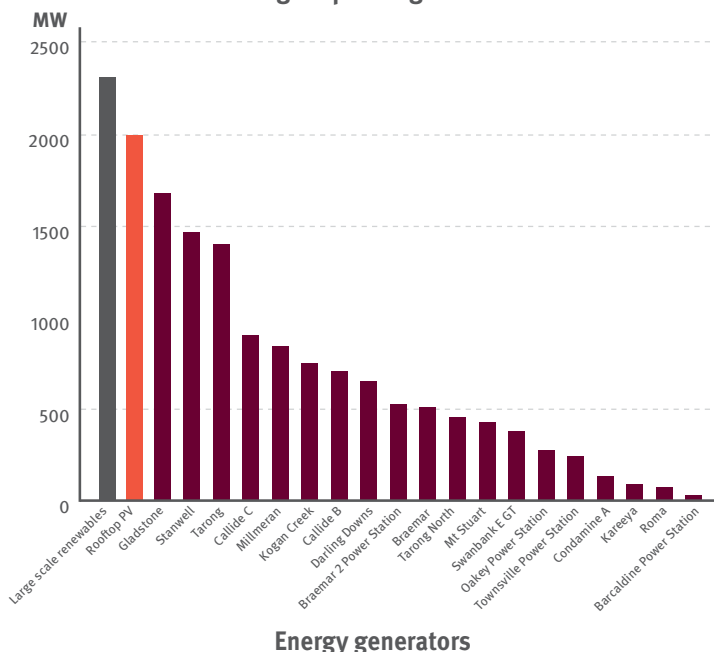
# 150,000 km

of powerlines in rural and regional QLD

# 54,000 km

of powerlines in SEQ

## Large-scale renewables are now Queensland's largest power generators



**4000**  
systems are connected each month\*

**520,000**  
residential rooftops with solar PV\*

\* as of May 2019



## Kidston Project

The Queensland Government is committed to supporting the development of renewable energy projects across the state.

A 50 MW solar farm was declared a prescribed and critical infrastructure project in June 2017. The project forms part of the government's Solar 150 program and is now operational and generating power into the National Electricity Market.

There is now also a proposal to develop a number of projects in the Kidston area, located 270 kilometres north-west of Townsville. The site was selected to take advantage of the existing infrastructure left behind from the former Kidston Gold Mine and the climatic conditions of the region.

The Queensland Government supports the development of renewable energy projects, such as the Kidston Solar Farm, across the state.



*Kidston renewable energy project has transformed the former Kidston Gold Mine*

## Queensland Police Service Electricity Optimisation Project

The Queensland Police Service's Electricity Optimisation Project initially installed energy-efficient lighting and solar PV at five locations. It commenced on 1 January 2017 with an initial budget of \$500,000.

The Queensland Police Service also received independent advice about how to optimise tariffs and implement other cost-effective energy efficiency measures.

The project was expanded following its initial success. An additional \$2.82 million was allocated to install 1.7 MW of solar PV installations at 45 sites,

energy-efficient lighting upgrades at seven sites and power factor correction at 26 sites.

The project has saved about \$1.5 million in the two years to March 2019. There has been ongoing savings of about \$900,000 per year and an annual reduction of more than 3000 tonnes of CO<sub>2</sub> emissions.

A further \$1.7 million has been committed to roll out the second phase of the project in 2018–19. About 1.3 MW of solar is being installed at more than 50 additional sites.

## Mount Emerald Wind Farm

Mount Emerald Wind Farm started generating power in late 2018. The wind farm, built on a plateau about two kilometres north of Mount Emerald, is forecast to generate an average of between 500,000 and 600,000 MW hours of safe, clean, renewable electricity.

This is equivalent to the power required to supply approximately 75,000 homes, while reducing emissions.

The project created more than 200 jobs during construction. It has an installed capacity of 180.5 MW.



Mount Emerald Wind Farm

## Queensland's new CleanCo

### Powering Queensland through renewable energy

The Queensland Government is committed to putting further downward pressure on electricity prices and growing the renewable energy sector in Queensland. As part of the *Powering Queensland Plan*, the government committed to investigate the creation of clean energy generation through a government-owned corporation (GOC). In December 2018, CleanCo was established as the state's new renewable electricity generator GOC. Through increasing competition in the wholesale electricity market, CleanCo will drive down wholesale electricity prices, delivering cheaper energy to Queensland households and businesses. CleanCo builds on the government's reforms to secure a cleaner, affordable, sustainable and reliable energy supply for Queensland.

### Downward pressure on electricity prices

CleanCo will be transferred the ownership and dispatch rights to existing government-owned renewable and low-emission energy generation

assets later this year when it commences trading in the National Electricity Market. This foundation portfolio includes the Wivenhoe, Barron Gorge, Kareeya and Koombooloomba hydro power stations, and the Swanbank E Power Station. CleanCo will increase competition in the wholesale electricity market when it begins operating and trading these assets in the national market in 2019. This will drive down wholesale electricity prices, delivering cheaper energy to households and businesses.

### Growing Queensland's renewable energy industry

CleanCo has a mandate to support the development of 1000 MW of new renewable energy generation by 2025. The government has allocated \$250 million to CleanCo over 2019–20 and 2020–21 to progress the development of new public renewable generation assets such as solar, wind and hydro. CleanCo will play a key role in delivering the government's 50 per cent renewable energy target by 2030, growing investment and jobs in the renewable energy sector.



## Sun Metals Solar Farm

In August 2018, the 125 MW Sun Metals Solar Farm officially opened adjacent to the company's zinc refinery, located approximately 15 kilometres south of Townsville. Sun Metals produces 225,000 tons of zinc per annum, using more than 900,000 MW hours of electricity per year. The on-site generation capacity was self-funded, provides about a third of the refinery's energy needs and has led to a marked reduction in its carbon footprint.

By providing more controllable energy costs, the solar farm helped ensure the long-term viability of the existing refinery and underpinned the \$300 million expansion to increase zinc production capacity to 270,000 tonnes creating 350 construction jobs and an additional 100 jobs across its refining and logistics business.

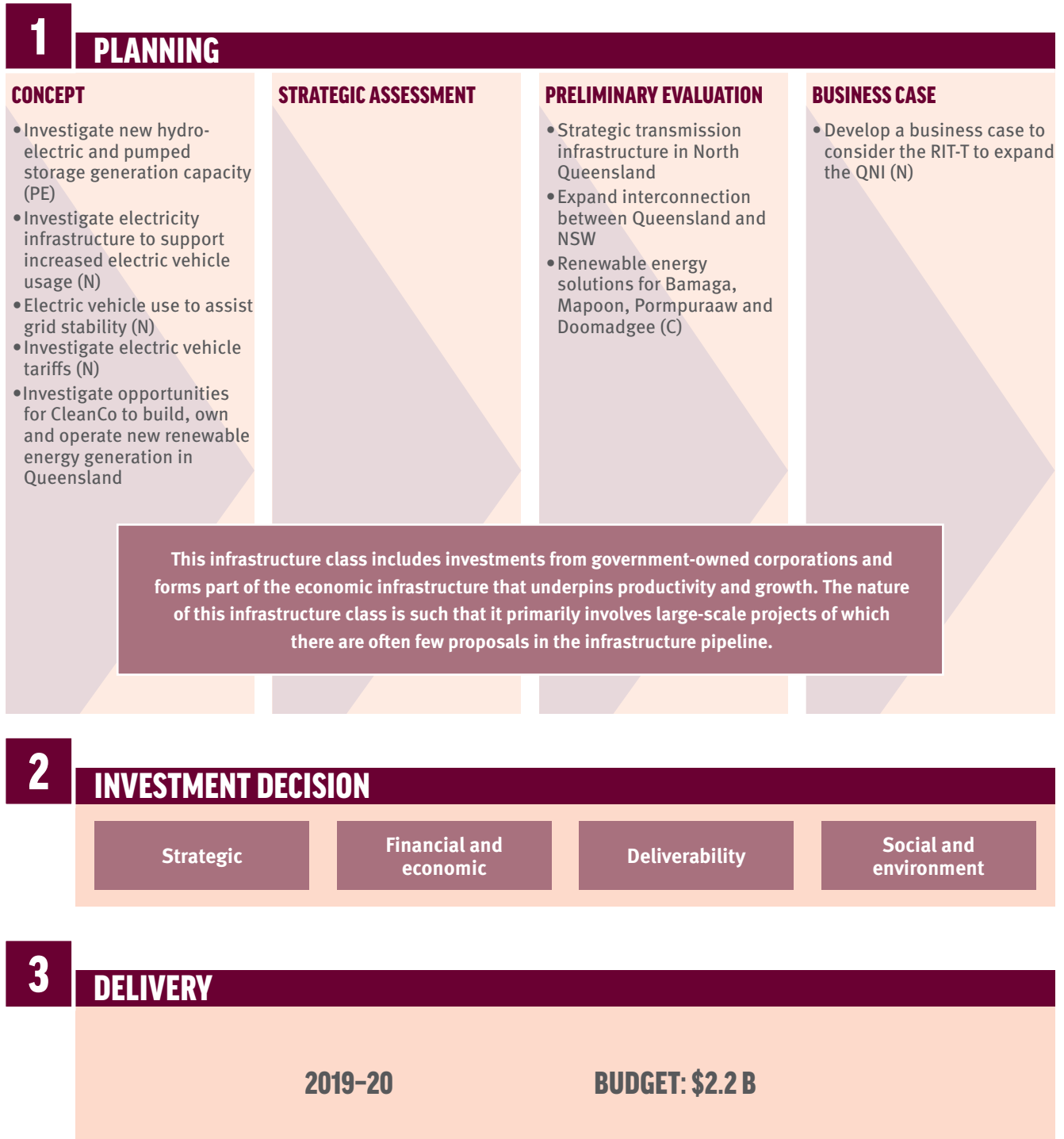
This is a stellar example of heavy industry leveraging renewable energy to support growth and a healthy bottom line. It also means better outcomes for the local economy and the environment.



*Sun Metals solar farm*



## 2019 pipeline



Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	2020–21	Indicative 2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Barcaldine Power Station upgrade	4.200		●			2.400	1.800			
Barcaldine Substation upgrade	3.411		●				1.567	1.844		
Barron Gorge Hydro other projects	0.208		●				0.208			
Bouldercombe primary plant Replacement	22.800		●			4.678	7.722	6.379	3.985	0.036
Callide A/Calvale 132kV network reinvestment	34.800		●			12.923	5.693	15.004	1.180	
Callide Power Station overhauls	85.794				●		85.794			
Calvale and Callide B Substation secondary systems replacement	21.800		●			11.477	5.500	3.703	1.120	
Capital works to connect new customers	6.290		●				6.290			
Charters Towers Substation upgrade	3.930		●			3.235	0.695			
Collinsville to Proserpine transmission line refit	34.300		●			27.422	6.613	0.265		
Dysart Substation upgrade	12.839		●			9.910	2.889	0.040		
Emerald Cornet Substation upgrade	3.477		●			0.708	1.773	0.996		
Energy Queensland – Bunda Street, Cairns project	9.593		●			8.083	1.000	0.510		
Gin Gin Substation rebuild	22.800		●			15.326	6.012	0.714	0.748	
Gracemere Substation	11.520		●			1.490	1.037	4.497	4.497	
Isolated systems augmentation and upgrades	38.513		●			9.571	25.951	2.991		
Kareeya Hydro bridge upgrade	1.400		●				1.400			
Kareeya Hydro connection upgrade	0.900		●				0.900			
Kareeya Hydro essential services shed	0.300		●				0.300			
Kareeya Hydro governor control system	0.726		●				0.726			
Kareeya Hydro other projects	1.400		●				1.400			
Kogan Creek Mine development and refurbishment	1.835				●		1.835			
Kogan Creek Power Station overhauls	84.638				●		84.638			
Koombooloomba Hydro other projects	0.120		●				0.120			
Mackay Substation replacement	28.000		●			23.047	3.695	1.258		
McLeod Street Depot condition upgrade	9.137		●			0.077	6.000	3.060		

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Meandu Mine development program	63.922				●	5.923	3.566	14.327	26.264	13.841
Meandu Mine dozer replacement program	31.854				●		3.470	6.557	20.844	0.982
Meandu Mine fleet ancillary equipment program	16.350				●		0.355	0.297	13.882	1.816
Meandu Mine minor works	61.981				●	11.839	20.915	8.644	10.549	10.034
Meandu Mine overhauls	27.095				●	1.999	6.500	12.001	1.077	5.519
Mica Creek Power Station minor works	9.470				●	8.595	0.875			
Nebo Substation secondary systems replacement	21.000		●			11.384	3.587	4.009	2.020	
Network initiated replacement works	2.804		●				2.804			
Other property, plant and equipment	43.166		●			5.585	36.714	0.867		
Proserpine redevelopment	13.636		●			0.471	5.152	8.013		
Searle Street Maryborough redevelopment	4.740		●			0.210	3.000	1.530		
Stanwell Power Station control system upgrade	23.273				●	14.255	8.435	0.546	0.037	
Stanwell Power Station other sustaining projects	91.617				●	31.295	10.416	11.371	13.092	25.443
Stanwell Power Station overhauls	227.738				●	37.410	33.108	40.880	84.627	31.714
Substation upgrades	64.399		●			39.620	15.080	5.213	4.486	
Tarong Power Station ash offtake project	16.673				●	0.310	16.224	0.139		
Tarong Power Station other sustaining projects	96.083				●	38.457	16.211	24.517	11.676	5.222
Tarong Power Station overhauls	240.958				●	34.771	69.250	63.678	40.140	33.120
Toolara Forest Substation upgrade	5.415		●			4.017	1.398			
Torres Strait Power Station upgrades	2.124		●			1.713	0.411			
<b>South East Queensland</b>										
Capital works to connect new customers	56.785		●				56.785			
Clayfield Substation upgrade	8.006		●			2.766	4.360	0.880		
CleanCo corporate systems	Ongoing		●				10.550			
Digital office capital expenditure	67.489		●				67.489			
Hemmant Substation upgrade	8.957		●			6.691	2.266			
Herring Lagoon Substation upgrade	3.165		●			3.115	0.050			
Inala Substation upgrade	3.990		●			3.796	0.194			



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Kenmore Substation upgrade	3.072		●			1.889	1.183			
Metering dynamics	264.000		●			42.900	46.300	43.700	87.400	
Mount Crosby Substation	20.036		●			1.739	3.284	10.984	4.029	
Network initiated capacity augmentation	32.270		●				32.270			
Network initiated replacement works	61.209		●				61.209			
Energy Queensland other ongoing works	33.080		●				33.080			
Other property, plant and equipment	107.040		●			10.588	88.958	7.494		
Rocklea Substation secondary systems replacement	21.100		●			16.532	1.477	3.091		
Stanwell Corporation ongoing programs	82.275				●	24.292	13.050	9.148	22.755	
Substation upgrades	51.104		●			11.499	22.542	12.356	4.707	
Suncoast powerline project – Palmwoods to Maroochydore	106.718		●			59.300	47.418			
Swanbank E fast start upgrade	2.900		●				2.900			
Swanbank E heater replacement	0.450		●				0.450			
Swanbank E low part load	0.800		●				0.800			
Swanbank E major overhaul	44.000		●				44.000			
Swanbank E other projects	0.800		●				0.800			
Swanbank E site accommodation	2.700		●				2.700			
Swanbank E site reconfiguration	0.600		●				0.600			
Toowong Substation upgrade	3.757		●			0.302	3.447	0.008		
Wivenhoe other projects	2.000		●				2.000			
Wivenhoe Silo 1 lift	0.265		●				0.265			
Wivenhoe Silo 2 lift	0.306		●				0.306			
Wivenhoe Split Yard Creek maintenance	0.315		●				0.315			
Wivenhoe W1 major overhaul preparation work	0.740		●				0.740			
<b>Statewide</b>										
Capital works to connect new customers	94.996		●				94.996			
Conductor clearance works	40.170		●				40.170			
Information and communication technology five-minute settlements	21.369				●	1.495	8.397	7.734	3.743	
Energy Queensland infrastructure services	218.300		●			42.000	79.900	61.000	23.600	

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Low-voltage small copper replacement (Stage 2 and 3)	98.484		●			6.695	10.979	74.805	6.005	
Network initiated capacity augmentation	34.541		●				34.541			
Network initiated replacement works	91.735		●				91.735			
New renewable generation	250.000		●				150.000	100.000		
Other capital projects	2.170				●	0.837	0.584	0.200	0.383	0.166
Other property, plant and equipment	137.156		●			51.051	58.656	27.449		
Other regulated customer initiated capital works	401.932		●				401.932			
Substation upgrades	10.229		●			7.651	2.578			
Total non-prescribed Transmission Network Connections	Ongoing		●				36.284			
Total other projects	Ongoing		●				139.102			
Yurika digital platform	32.200		●			6.200	13.000	13.000		

*Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.  
Similar projects belonging to different agencies have been combined (e.g. Ongoing programs).*

## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Implement gas supply and demand actions.

**Status update:** Since the release of a pilot tender in February 2017, another eight areas across more than 7400 square kilometres have been released with an Australia-only sale condition.

The first tender was awarded to a Queensland company and gas production is on track to start by the end of 2019. A joint venture comprising four other companies has won a further tender to explore for gas exclusively for the Australian market.

The Queensland Government is also working with the Commonwealth to leverage federally-announced programs to expand the state's gas supply.

### Opportunity 2

Explore opportunities to establish a research and pre-commercial biorefinery to build on Queensland's competitive advantage in this sector.

**Status update:** In February 2019, the detailed design of a pilot biorefinery commenced in Gladstone. This project supports the *Queensland Biofutures 10-Year Roadmap and Action Plan*.

### Opportunity 3

Examine opportunities to improve energy productivity in electricity and gas sectors.

**Status update:** Work is continuing on the energy productivity measures as outlined in the *Council of Australian Governments Energy Council National Energy Productivity Plan 2015–2030*.

### Opportunity 4

Develop and leverage intelligence and resilience of the electricity network in relation to severe weather events.

**Status update:** Energy Queensland and Powerlink have actively participated in the Queensland Energy Security Taskforce since its establishment, contributing to past Queensland Government Summer Preparedness Plans.

In addition to these initiatives, Energy Queensland and Powerlink undertake a review of Network Summer Preparedness Plans by 30 September each year to ensure network preparations, resilience measures, emergency planning and response arrangements and communication strategies are in place.

The events of the 2018–19 summer will continue to inform preparations for the 2019–20 summer.

### Opportunity 5

Promote widespread use of energy sourced from renewable energy generation and implement agreed government actions to achieve the 50 per cent renewable energy by 2030 target for Queensland.

**Status update:** The government is providing incentives for investment in renewable energies such as the 400 MW reverse auction and the formation of CleanCo, a new state-owned clean energy generator. The government is also supporting the solar boom across the state. It has amended *Electricity Regulation 2006* so the distribution network voltage limits can support Queensland's renewable energy target and solar industry, while maintaining a secure and reliable supply to customers.



## Opportunity 6

Facilitate and provide policy settings to accelerate uptake of cost-reflective tariffs and advanced metering.

**Status update:** The \$2 billion *Affordable Energy Plan* has helped ensure Queenslanders continue to enjoy an affordable and secure electricity supply. These actions delivered electricity bill decreases for a typical regional household in 2018–19 of about 1.3 per cent, and 4.4 per cent in 2019–20.

## Opportunity 7

Work with Australian Renewable Energy Agency to target renewable energy and distributed energy investment in Queensland.

**Status update:** The Queensland Government is progressing a feasibility study to assess potential options to deliver a sustainable electricity supply for the Daintree region.

## Opportunity 8

Examine opportunities for more cost-effective localised solutions for rural and regional communities and vulnerable customers.

**Status update:** Work is underway to identify strategic pathways to deliver improved electricity services to customers in regional and remote areas of the Queensland grid. As part of this work, the Queensland Government will continue to engage with the Australian Energy Market Commission as part of its review of regulatory arrangements frameworks for stand-alone power systems in the National Electricity Market.

## Opportunity 9

Work at regional, state and national levels to identify the opportunities and risks with the transformation of the energy sector with respect to distributed generation and battery storage.

**Status update:** The *Powering Queensland Plan* sets out the Queensland Government's strategy to guide the state through the short and long-term challenges facing Australia's energy markets, including providing incentives for the development of distributed generation and battery storage at every level.

## Opportunity 10

Ensure Queensland continues to have access to an affordable, secure and sustainable supply of electricity.

**Status update:** The \$1.16 billion *Powering Queensland Plan* has helped ensure Queenslanders continue to enjoy an affordable and secure supply of electricity.

The *Queensland Energy Security Taskforce's Power System Summer Preparedness Plan 2018–19* helped ensure the state's power system was well placed to meet this year's record summer demand and will continue to do so in the future.

The government has also progressed studies to assess new hydro-electric and pumped-storage generation capacity options, the feasibility of strategic transmission infrastructure in North West Queensland and expanding interstate connections.



*Smart connected solar at the North Queensland Cowboys Leagues Club*

## Longreach Solar Farm

The Longreach Solar Farm is located close to Camden Park Station. The project is a single-axis tracking, ground-mounted photovoltaic system, which generates renewable energy throughout the day. It has a capacity of 15 MW.

The site was selected following an extensive assessment of its access to the grid, including suitability of terrain, land use, road access, flooding constraints, local, state and federal planning laws, environmental controls, solar resource and community benefits.

Longreach Solar Farm has generated economic benefits for the region, and increased the skills and capabilities of its contractors. Local expertise and resources were used, where possible, to ensure there was an economic benefit to the area.

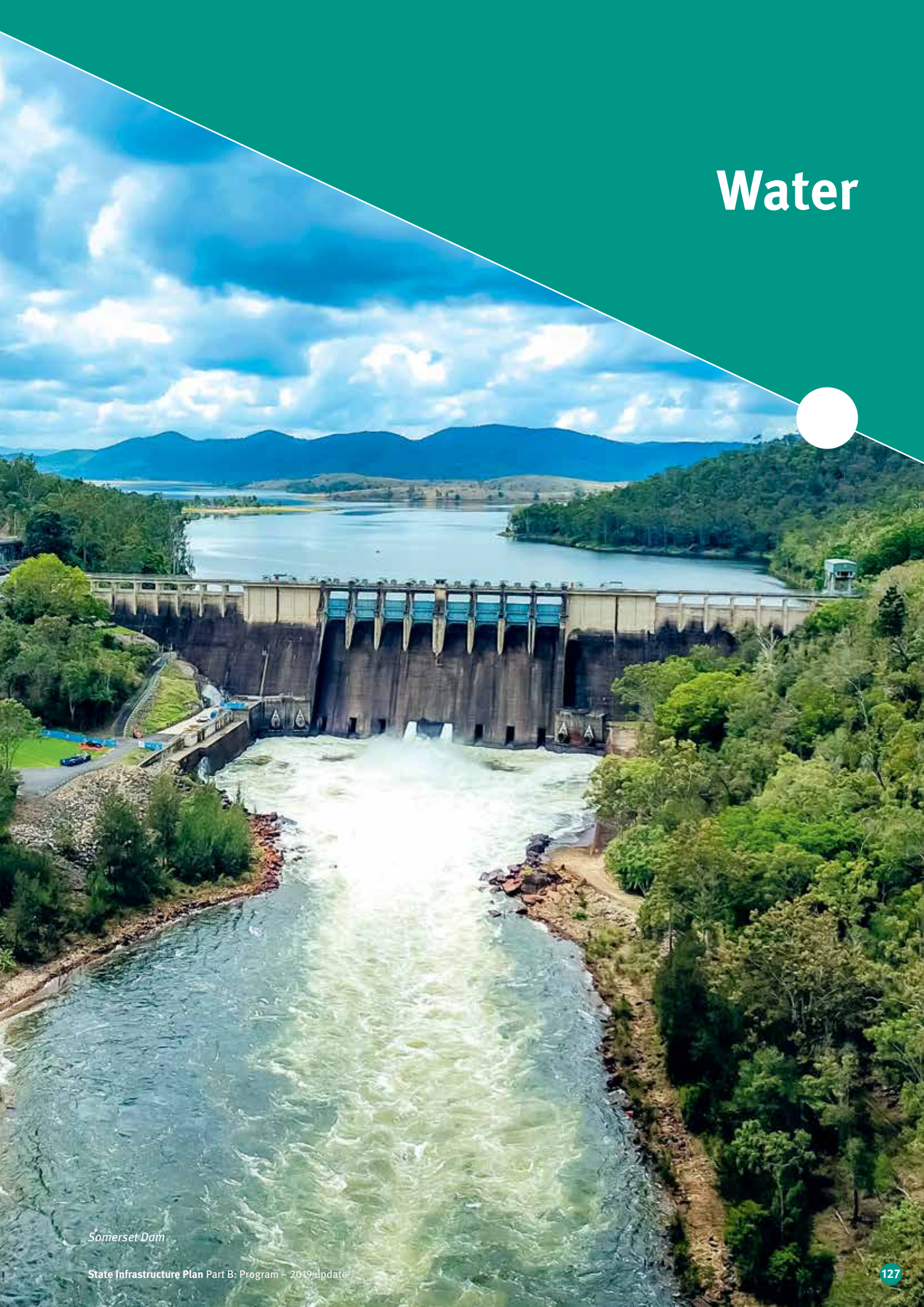
The project, which was finished in 2018, generates enough clean energy to power about 5000 homes per year.



Longreach Solar Farm



# Water



*Somerset Dam*



**As one of the world's most precious resources, water must be sustainably managed and remain secure for future generations. Water is a critical resource for agriculture, business, industry and everyday living. Infrastructure that is affordable, and delivers a safe, secure and accessible water supply, is integral to Queensland's economy and helps maximise Queensland's economic potential.**

Communities are reliant on the availability of a secure water supply. However, the state's vast and varied geography and climate present unique challenges. While much of Queensland may experience extended periods of drought, seasonal rains can result in flash flooding and inundation in coastal and inland communities.

Water infrastructure encompasses water storage and distribution networks as well as wastewater treatment facilities. Effective water supply planning and viable operating models are essential to the provision of appropriate water solutions. They also ensure traditional water sources, such as rivers, lakes and springs, are sustainably managed to safeguard long-term supplies and protect ecological systems.

Alternative approaches to traditional large-scale bulk water projects can help overcome the challenges presented by climate change, population growth, demand increases and fiscal constraints. Efficient use of existing infrastructure, rigorous planning and innovative technologies are essential to ensure a sustainable, reliable and cost-effective water supply for Queensland.

## Key initiatives

### Queensland Bulk Water Opportunities Statement

- ▶ Released in mid-2017 and updated annually, the *Queensland Bulk Water Opportunities Statement* (QBWOS) guides the state's investment in bulk water supply infrastructure.
- ▶ QBWOS presents a framework to achieve a balance between the optimal use of existing infrastructure and investment in new projects.
- ▶ Queensland water infrastructure projects generally fall into three categories:
  - dam safety improvements
  - optimisation of existing infrastructure
  - construction of new infrastructure.
- ▶ The Dam Improvement Program has resulted in the completion of significant works on dams across Queensland. This program is ongoing.
- ▶ Some examples of the different types of infrastructure being planned, delivered or further considered through QBWOS include:
  - \$225 million for the first stage of Townsville's Haughton Pipeline Duplication project, including \$215 million construction expenses
  - the proposed Paradise Dam Safety Improvement Program business case
  - the proposed Nullinga Dam and Mareeba-Dimbulah Water Supply Scheme Improvements business case
  - \$28.3 million for the optimisation of the Mareeba Dimbulah Water Supply Scheme.

### Torres Shire water infrastructure

- ▶ \$12 million of infrastructure upgrades are underway to improve water treatment in the Torres Shire to better assure a continued safe supply of drinking water on Horn, Thursday and Hammond islands. Works addressing both short and medium-term priorities are underway.





## 5 reservoirs and storage tanks

### Mount Isa Water Board

- ▶ \$133 M in assets
- ▶ 8 pump stations
- ▶ 88 km of pipelines
- ▶ 2 water treatment plants



## 19 major dams

### Sunwater

- ▶ \$13 B in assets
- ▶ 64 weirs and barrages
- ▶ 79 major pumping stations
- ▶ 1888 km of pipelines and channels
- ▶ 10 water treatment plants



## 13 water reservoirs

### Gladstone Area Water Board

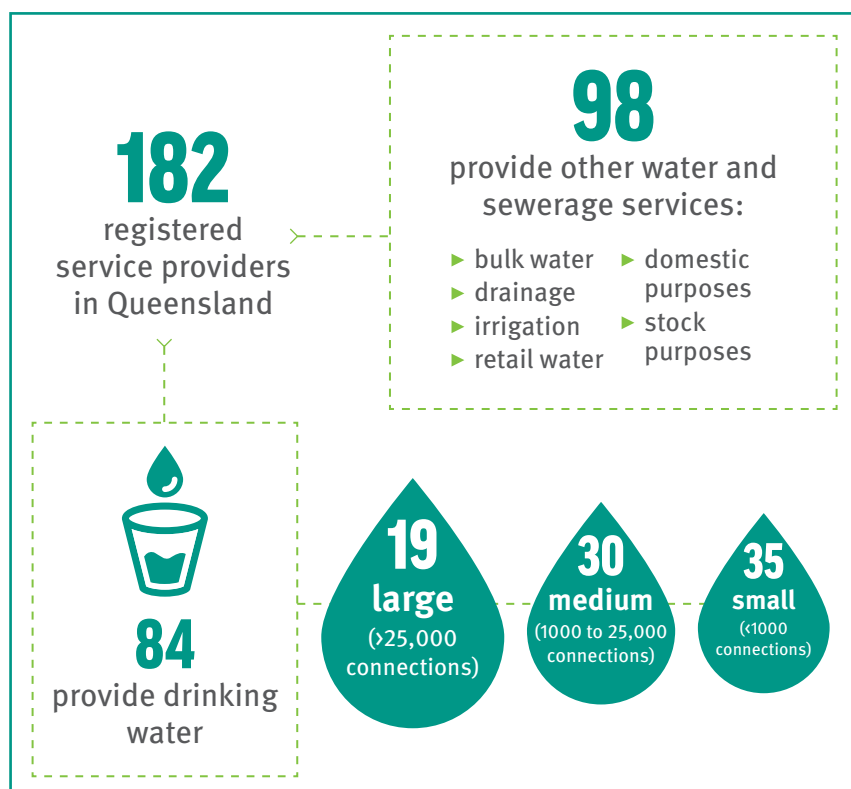
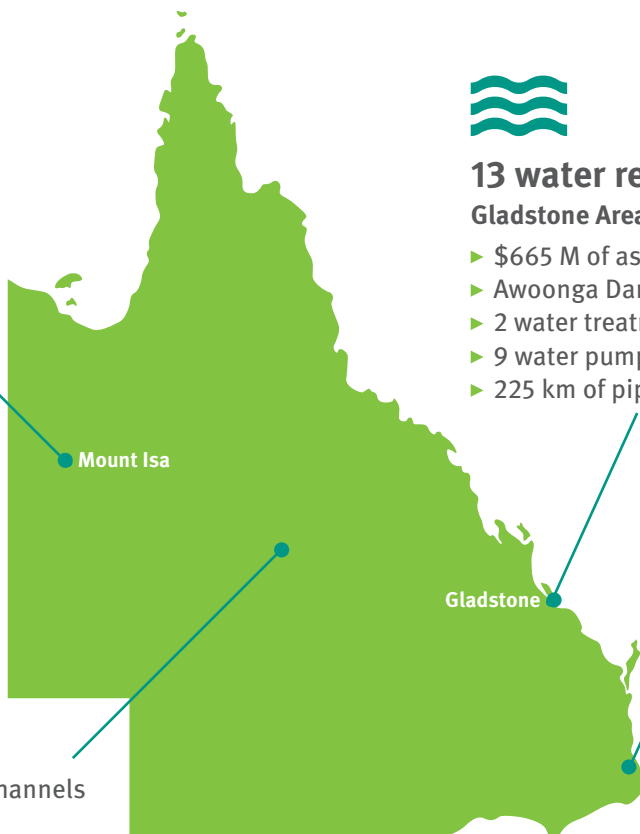
- ▶ \$665 M of assets
- ▶ Awoonga Dam and offline water storage facility
- ▶ 2 water treatment plants
- ▶ 9 water pumping stations
- ▶ 225 km of pipelines



## 26 dams

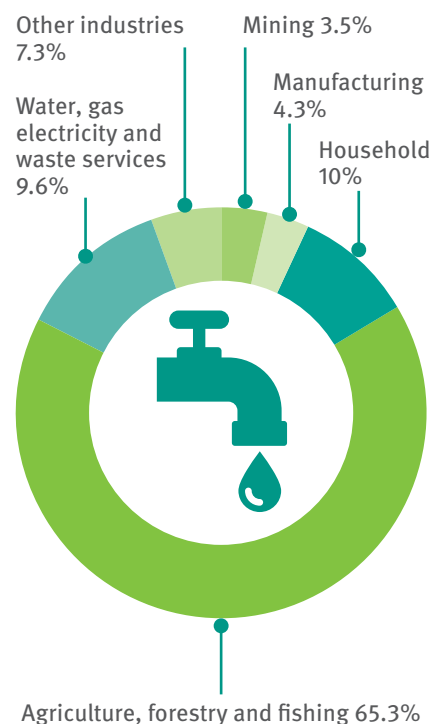
### Seqwater

- ▶ \$11 B of assets
- ▶ 51 weirs
- ▶ 36 water treatment plants
- ▶ 646 km of supply pipelines
- ▶ Gold Coast desalination plant
- ▶ Western corridor recycled water scheme



Note: Most communities in Queensland have a potable water drinking supply.

## Queensland's water consumers



## National Water Infrastructure Development Fund

The National Water Infrastructure Development Fund (NWIDF) is an Australian Government initiative to accelerate the assessment of water infrastructure options that could stimulate regional economic activity.

Through the initial phase of the NWIDF, Queensland proponents received a total of \$24.8 million in funding for 15 water infrastructure feasibility studies. All studies are now complete and available on the Department of Natural Resources, Mines and Energy website.

The Australian Government has made additional NWIDF funding commitments to support feasibility assessments for the following Queensland projects:

- ▶ \$2 million for the North and South Burnett water supply options
- ▶ \$450,000 for an Emu Swamp Dam change report associated with the environmental impact statement.

Two projects have also been funded under part two of the scheme:

- ▶ \$11.6 million for upgrades to the Mareeba Dimbulah Water Supply Scheme
- ▶ \$790,240 for an extension to the Warwick recycled water scheme.

The formal funding arrangements for these projects are now being established and the early stages of the works have commenced. Further to this, the Australian Government has made a \$176 million commitment for the delivery of Rookwood Weir.



*Cedar Grove Wastewater Treatment Plant*

## Fairbairn Dam

The Fairbairn Dam Spillway Improvement Project aims to enhance the spillway to safeguard against future extreme weather events.

Sunwater initially commenced a two-stage improvement project after inspections in 2014 and 2015 found works were required to strengthen the spillway structure.

Stage one, which focused on strengthening the 2:1 spillway chute section through the installation of passive anchors and concrete overlay, was completed in December 2016.

Stage two commenced in March 2017, with works including the installation of passive anchors, the construction of a new concrete overlay to the spillway floor and a 10:1 spillway chute. Active anchors to the Ogee Crest were also installed.

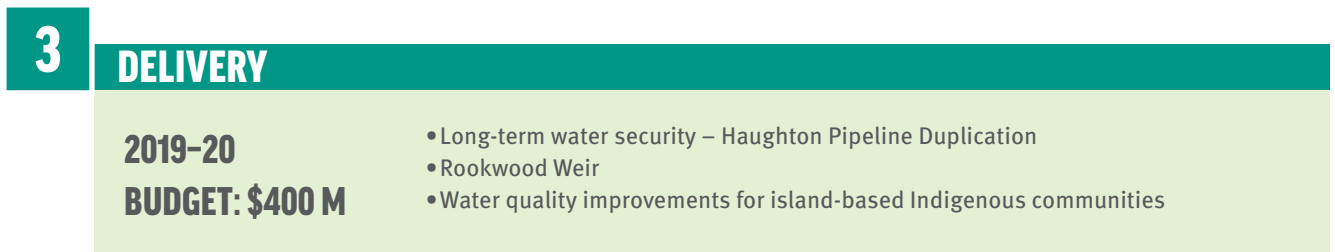
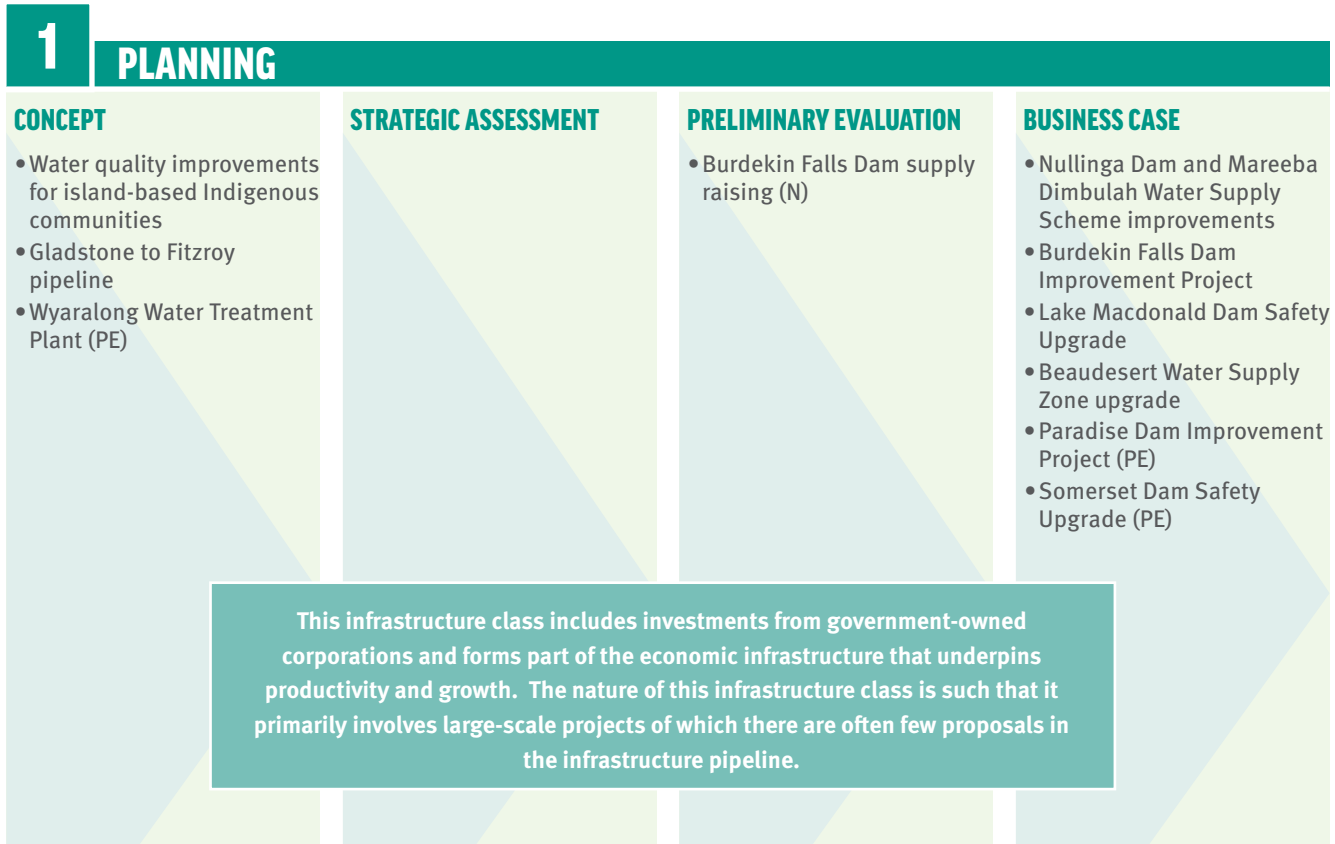
Stage three involves the construction of 10-metre high walls on both sides of the spillway. The new side walls will be delivered in parallel with the remainder of stage two. The project is anticipated to be finished by mid-2021, subject to wet weather constraints and latent conditions.



*Fairbairn Dam improvement works*



## 2019 pipeline



*Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.*

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Asset enhancement	Ongoing		●			0.704	0.000	0.000	0.000	
Asset renewals	Ongoing		●			0.470	0.000	0.000	0.000	
Burdekin Falls Dam improvement project planning works	10.131		●		4.204	5.927	0.000	0.000	0.000	
Burdekin Falls raising feasibility study	14.258		●		0.000	5.831	3.312	5.115	0.000	
Capital work orders – performance plan reference	1.886		●		1.182	0.704		0.000		
Chlorine dose equipment upgrade	0.517		●		0.367	0.150	0.000	0.000	0.000	
Condition assessment of South Trees Pipeline	1.276		●		0.776	0.500	0.000	0.000	0.000	
Connection to Gladstone Regional Council/Kirkwood Reservoir	4.240		●		0.884	3.356	0.000	0.000	0.000	
Control systems supervisory control and data acquisition upgrade	0.384		●		0.314	0.070	0.000	0.000	0.000	
Data centre relocation	0.275		●			0.275		0.000		
Fairbairn Dam Improvement Project	40.000		●		21.427	18.573	0.000	0.000	0.000	
Gladstone Water Treatment Plant to South Gladstone Reservoir (Stage 3) pipeline	1.342		●		0.142	1.200		0.000		
Gladstone-Fitzroy Pipeline transition and management	6.866		●		5.566	1.300		0.000		
Hatchery relocation	6.663		●		1.380	5.283	0.000	0.000	0.000	
Lake Julius power pole replacement	Ongoing		●			0.285	0.000	0.000	0.000	
Lake Moondarra deep well pump station pumps renewal	0.901		●		0.019	0.882		0.000		
Leslie Dam Improvement Project – planning works	28.834		●		0.474	2.621	22.386	3.353	0.000	
Mareeba Dimbulah Channel efficiency improvements	17.280	●	●		1.951	5.879	8.089	1.361	0.000	
Mobile emergency electrical generation unit	0.991		●		0.491	0.500	0.000	0.000	0.000	
Moondarra to Mount Isa Terminal Reservoir pipeline upgrade	2.840		●		0.976	1.864	0.000	0.000	0.000	
Mount Isa City Council supply diesel backup	1.303		●		0.145	1.158	0.000	0.000	0.000	
Mount Isa Terminal Reservoir storage tanks	4.324		●		2.546	1.778	0.000	0.000	0.000	
Muster Point emergency shelter	1.706		●		0.060	1.646		0.000		
Nogoa Mackenzie Channel efficiency improvements	9.260	●	●		1.169	2.198	3.775	2.118	0.000	
Offline storage fencing, gates and embankment access barrier gate	0.495		●			0.495		0.000		

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Offline storage floating barriers around pump inlets	0.310		●			0.310		0.000		
Other plant and equipment	Ongoing		●			0.085	0.000	0.000	0.000	
Other projects	9.009		●		6.720	2.289	0.000	0.000	0.000	
Paradise Dam improvement Project – planning works	12.080		●		3.070	7.818	1.192	0.000	0.000	
Power reliability – Hilton to Lake Julius	Ongoing		●			0.585	0.000	0.000		
Rookwood Weir	352.000	●	●		66.000	83.000	126.000	77.000	0.000	
Switchboard upgrade – 136 Goondoon Street	0.375		●			0.375		0.000		
Teemurra Dam improvement project – planning works	10.797		●		0.683	1.446	6.719	1.949	0.000	
Thuraggi Channel repair	1.967		●		1.250	0.717	0.000	0.000	0.000	
Townsville water security	215.000		●		160.000	55.000	0.000	0.000	0.000	
<b>South East Queensland</b>										
Beaudesert water supply zone upgrade (planning costs)	16.126		●		6.130	9.996	0.000	0.000	0.000	
Ewen Maddock Dam Safety Upgrade (Stage 2)	23.450		●		1.740	8.230	13.480	0.000		
ICT Capital Program	Ongoing		●		0.000	8.811	0.000	0.000	0.000	
Lake Macdonald Dam Safety Upgrade – planning costs (Stage 2)	19.779		●		11.375	8.404	0.000	0.000	0.000	
Mount Crosby East Bank Water Treatment Plant filtration upgrade	34.171		●		5.031	5.096	24.044	0.000	0.000	
Seqwater water treatment improvements	Ongoing		●			34.371		0.000		
Seqwater ongoing projects and programs	Ongoing		●		0.000	72.468	0.000	0.000	0.000	
Somerset Dam safety upgrade planning costs	8.879		●		2.688	6.191	0.000	0.000		
<b>Statewide</b>										
Sunwater industrial pipelines non-routine program of capital works	15.718		●			4.629	3.549	3.720	3.820	
Sunwater irrigation schemes non-routine program of capital works	20.612		●			4.381	3.202	7.818	5.211	
Sunwater various programs	61.724		●		0.000	21.878	8.226	16.616	15.004	

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.

Similar projects belonging to different agencies have been combined (e.g. ongoing programs).



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Maintain water supplies to meet requirements, minimise flood risks and keep dams safe.

**Status:** Sunwater and Seqwater have dam improvement programs to ensure the ongoing maintenance and safety of the dams they own and operate. Upgrades are prioritised and staged to ensure the security of water supply, maintain public safety and deliver value for money. Preparations for improvement works are being undertaken for Burdekin Falls, Paradise, Somerset and Lake Macdonald dams. Fairbairn Dam works are underway and Ewen Maddock Dam works will commence in 2019–20.

### Opportunity 2

In partnership with local governments and water utilities, assess options to provide new water sources to the northern part of SEQ where demand is forecast to exceed supply by about 2040.

**Status:** Following the release of the latest version of *South East Queensland's Water Security Program 2016–46*, several options for optimising the SEQ water grid and considering the next new water source for northern SEQ are being examined by Seqwater, in consultation with stakeholders.

### Opportunity 3

Facilitate more efficient use of existing water resources and infrastructure assets and optimise access through the continued expansion of water trading and flexible sharing arrangements across the state.

**Status:** The QBWOS contains initiatives to drive more efficient use of resources and assets. The state's water planning unit has established tradeable water allocations. Further opportunities to increase market flexibility and trading rules that would drive further efficiencies are being considered. Water plans have also enabled new water entitlements to be released by setting aside reserves of unallocated water.

### Opportunity 4

Consider the use of fit-for-purpose, alternative bulk water sources and opportunities to meet future demands in innovative ways.

**Status:** Potential alternative water sources for the bulk water sector are being considered as part of the QBWOS, such as portable desalination plants and underground technologies that have a broad range of applications.

The underground technologies scoping project involves the high-level filtering of potential sites for the application of sand dams and underground dams. A selection of spatial GIS datasets and key geological, physical and land-use parameters are used to map areas that may prove suitable. These maps and relevant datasets will be available to the public through the Queensland Government's data portal.

### Opportunity 5

Prioritise bulk water infrastructure proposals and improve assessment processes.

**Status:** The Department of Natural Resources, Mines and Energy is considering what additional water-specific elements are required to support existing infrastructure assessment and business case development processes, to establish best practice. This assists with the optimisation of investments and ensures future water demand requirements and environmental impacts are appropriately considered.

The Department of Natural Resources, Mines and Energy is also developing enhanced project requirements to be considered during the assessment of new water infrastructure proposals that have significant economic benefits. Subsequent versions of the QBWOS will contain information on the outcomes of these activities.

## Future opportunities – continued

### Opportunity 6

Optimise existing infrastructure to maximise value.

**Status:** The QBWOS contains initiatives to drive more efficient use of resources and assets, such as:

- ▶ Progression of the underutilised water partnership project through the development of case studies that inform rates of underutilisation, why it is occurring and options for improving it. An industry forum was held in April 2019 to prioritise initiatives to achieve better utilisation of water and support economic development. This project will deliver an optimisation strategy in 2020.
- ▶ Temporary access to the strategic water infrastructure reserve pilot in the Dawson River is nearing finalisation, with entitlements to be granted and water accessed from October 2019. These and other water markets and trading initiatives will inform the development of a water prospectus in mid-2020 that will identify products and strategies for making water available for use.



Lake Wyaralong



# Health



*Wynnum-Manly Community Health Centre, Gundu Pa*



**The delivery of sustainable, high-quality healthcare requires flexible infrastructure that meets the future demands of Queensland communities. Managing the growing demand for healthcare services while providing equitable access and improving health outcomes continues to be a key area of focus.**

Queensland Health is responsible for the statewide planning of the health system, which informs operational and infrastructure investment decisions. Health infrastructure planning follows the framework outlined in the SIP and prioritises opportunities in line with the health system planning agenda. This aims to achieve sustainability in an environment of growing demands on services, workforce challenges and finite budgets.

The planning agenda follows three key directions to:

- ▶ transform services to improve the health and wellbeing of the population, reduce avoidable hospitalisations and provide care in alternative settings, including the home and community
- ▶ optimise the health system by making the best use of resources and infrastructure through the safe and efficient delivery of care as close to home as possible
- ▶ grow the system to improve access, support transformation and optimise directions by prioritising service and infrastructure growth based on communities' health needs, local priorities, and population increases.

This approach requires taking advantage of emerging technologies and innovative models of care, strategic planning, and working collaboratively across the system to provide services for all Queenslanders in the right place and the right time. The current statewide planning approach focuses on:

- ▶ supporting a sustainable health system for future generations
- ▶ keeping people well and reducing hospitalisations
- ▶ delivering innovative, high-quality and safe models of care
- ▶ providing health services in alternate settings and as close to home as is safe and feasible
- ▶ prioritising capital investment to ensure the health system can meet the needs of the ageing and growing population.

These plans continue to improve the efficiency of health services and produce better outcomes for Queenslanders.

## Key initiatives

### South East Queensland

- ▶ Enabling works on the \$460.9 million Logan Hospital expansion will commence in 2019–20 to increase capacity by 206 beds. The maternity ward will also be expanded to provide an additional six inpatient beds, five delivery rooms and 10 cots.
- ▶ Enabling works will commence on the \$353 million Caboolture Hospital expansion in 2019–20 to increase bed capacity by 130 beds.
- ▶ The detailed business case for the Ipswich Hospital expansion (Stage 1A) has been completed. It will deliver a new 50-bed mental health facility for adults and an MRI suite to grow clinical capacity.

### Regional Queensland

- ▶ The detailed design phase for the \$70 million Atherton Hospital redevelopment has been completed. The project is currently in the procurement phase with the awarding of the contract and construction forecast to start in mid-2019.
- ▶ The \$42 million Gladstone Hospital emergency department is under construction, with main works commencing in January 2019.
- ▶ Hospitals and other health facilities will continue to be expanded, including new builds or substantial refurbishments at Blackall, Cairns, Kingaroy, Maryborough and Roma.
- ▶ A detailed business case is underway for the proposed Toowoomba Hospital redevelopment on the Baillie Henderson Hospital site.
- ▶ A preliminary business case for a new or significantly refurbished Bundaberg Hospital has been completed and considered by the government. The commencement of a detailed business case for a new hospital on a greenfield site has recently been announced, with an allocation of \$6.7 million.

### Specialist Outpatient Strategy: Improving the patient journey by 2020

- ▶ This strategy tackles specialist outpatient waiting lists and improves patients' journeys from their doctor referral to outpatient appointment, diagnostics, intervention and recovery.
- ▶ HealthPathways also supports Clinical Prioritisation Criteria, another key initiative of the strategy. They currently cover 343 conditions across 24 specialities. It was developed by more than 700 clinicians, with more planned for development.



**122**

acute public hospitals\*

**27** in SEQ\*\*      **95** outside SEQ



**2310**

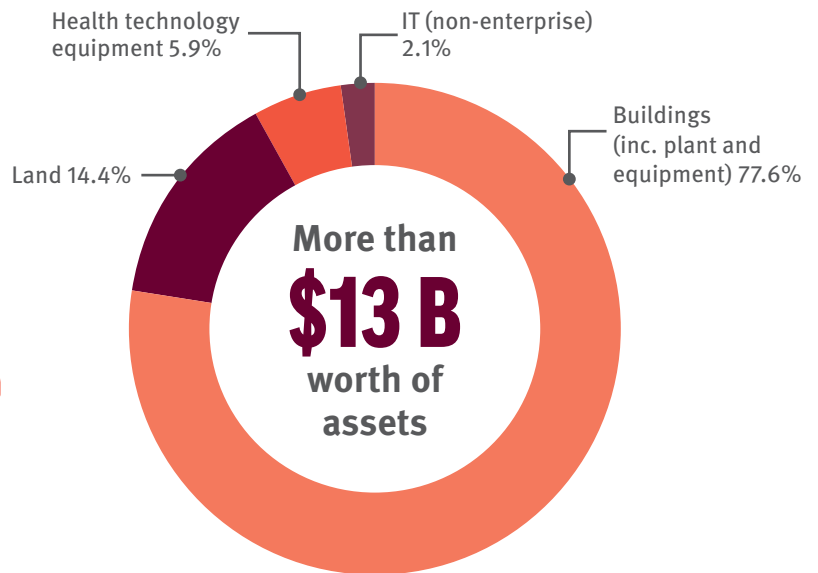
Queensland Health buildings



**70**

primary health care centres

## Queensland's public health system



**100,791**

full-time and part-time health and ambulance personnel

**8**



ambulance communication centres and 296 response locations

**16**



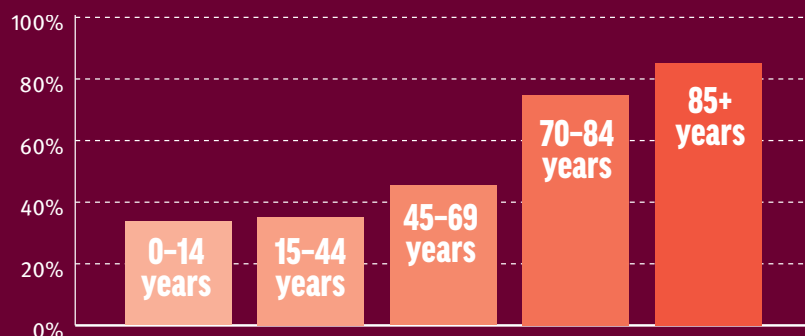
local ambulance service networks with the 16th being the statewide QAS Operations Centre

Overall demand for acute public hospital services is predicted to grow by

**50%**\*\*\*  
from 2016–17 to 2026–27



## Projected growth in hospital stays



Note:

\* Acute public hospitals provide health services to people experiencing the intensification of an existing condition or the onset of a new illness or injury requiring hospitalisation or specialist services.

\*\* SEQ is defined by the following Hospital and Health Services boundaries: Metro North, Metro South, Gold Coast, West Moreton and Sunshine Coast, which includes the Queensland Children's Hospital and Ellen Barron Family Centre.

\*\*\* Growth is in line with the Australian Institute of Health and Welfare definition and includes admissions for procedures and interventions, such as renal dialysis and chemotherapy.

### Tele-stress testing service

Cardiovascular disease is the number one cause of death globally. Rural areas of Queensland have a 25 per cent higher morbidity and mortality rate compared to metropolitan locations, due to reduced access to primary healthcare programs.

The Royal Brisbane and Women's Hospital (RBWH) partnered with Longreach Hospital in 2016 to develop a model of care to deliver telehealth quality exercise stress test results. Tele-Exercise Stress Testing and Tele-Holter Monitoring improves access for people in rural locations to contemporary specialist services, and reduces cost and the incidence of failure to achieve a diagnostic result, which requires a referral to a tertiary centre for repeat testing.

The program is now offered in 18 hospital and health centres across Queensland, with same-day access to Tele-Exercise Stress Testing and Tele-Holter Monitoring.

This has reduced waiting lists from three months to the same day, and reporting times from six weeks to the same day. This has also reduced travel for patients by 97,000 kilometres, resulting in a significant cost-saving for Queensland Health's Hospital and Health Services, which would normally pay for this transport. The service has been utilised more than 3086 times since it was implemented in 2017. It grew by 49 per cent in 2018, with further growth expected in 2019.



Gold Coast Medical Imaging Informatics Solution.

Image courtesy of the Gold Coast Hospital and Health Service



## Proposed 2019 health infrastructure initiatives in remote and regional Queensland

\$290 million has been allocated to improve health infrastructure in regional and remote areas. Upgrades at Aramac, Alpha, Cloncurry, Dimbulah, Kowanyama, Palm Island and Hervey Bay have already been delivered, while the planning and delivery of those at Blackall, Cairns, Julia Creek, Boulia, Sarina, Gladstone and Kingaroy are underway.

Queensland Health continues to plan and invest in suitable staff accommodation in remote and regional areas, as it recognises the critical role this plays in attracting and retaining health professionals.

Staff accommodation upgrades allow health professionals to be part of the local community, while also providing a residence close to their place of work. The combination of modern infrastructure and skilled professionals supports an inclusive and effective health service in regional and remote Queensland.

Queensland Health is also progressing several infrastructure initiatives, including Primary Health Care Centre (PHCC) replacements, in Aboriginal and Torres Strait Islander communities such as Thursday Island and Mer (Murray) Island in the Torres Strait and the Cape York region. The Aurukun facility was completed in March 2019.

## Building modularisation in remote areas

Remote and rural communities encounter specific challenges in the delivery of health facilities, including a greater impact on costs, whole-of-project and construction timeframes, availability of contractor and consultant services and disruption to services provided by the facility.

To mitigate and minimise these challenges, building modularisation provides a workable solution for staff accommodation, PHCCs, Multi-Purpose Health Services (MPHSs) and rural hospitals that meet functional and regulatory requirements.

Modular construction pre-engineers and pre-fabricates units, which are then installed on site as fitted-out and serviced 'building blocks'.

The Boulia MPHS is currently under construction, while modular building solutions have been proposed for Blackall Hospital and Windorah PHCC.

Modular facilities completed in recent times include MPHSs at Alpha and Moura, and staff accommodation at Roma.



Alpha Multi-Purpose Health Services

Image courtesy of the Central West Hospital and Health Service

## 2019 pipeline

### 1

#### PLANNING

##### CONCEPT

- New Munruben Ambulance Station

##### STRATEGIC ASSESSMENT

- Cairns Ambulance Station and Operations Centre redevelopment (N)
- Southport Ambulance Station and Gold Coast Operations Centre redevelopment (N)
- New Yarrabilba Ambulance Station (N)

##### PRELIMINARY EVALUATION

- Princess Alexandra Hospital rehabilitation and sub-acute services redevelopment
- Sarina Hospital redevelopment
- Rockhampton Ambulance Station and Operations Centre redevelopment (N)
- Redland Hospital expansion (N)

##### BUSINESS CASE

- Bundaberg Hospital redevelopment
- Toowoomba Hospital redevelopment
- Cairns Hospital mental health unit
- Thursday Island Hospital and PHCC redevelopment
- New Drayton Ambulance Service and Local Ambulance Service Office (N)
- New Urraween Ambulance Station (N)
- Kirwan Ambulance Station replacement (N)
- Mareeba Ambulance Station replacement (N)
- Rockhampton Alcohol and Other Drugs Rehabilitation Facility

### 2

#### INVESTMENT DECISION

Strategic

Financial and economic

Deliverability

Social and environment

### 3

#### DELIVERY

**2019-20**

**BUDGET: \$686 M**

- Digital Hospital (Tranche 4)
- Interoperability Project
- Maryborough Hospital emergency department and specialist outpatients department
- Logan Hospital expansion (N)
- Atherton Hospital redevelopment (N)
- Cairns Southern Corridor Health Precinct (N)
- Roma Hospital redevelopment (N)
- Palm Island PHCC (N)
- Gladstone Hospital emergency department (N)
- Blackall Hospital redevelopment (N)
- Adolescent Extended Treatment Centre (N)
- Caboolture Hospital multi-storey car park (N)
- Caboolture Hospital emergency department (N)
- Caboolture Hospital expansion (N)
- Logan Hospital maternity upgrade (N)
- Fraser Coast Inpatient Mental Health Service enhancement (N)
- Townsville Hospital clinical services building redevelopment (N)
- Nambour Hospital redevelopment (N)
- Redcliffe Hospital multi-storey car park
- Kingaroy Hospital redevelopment (N)
- Ipswich Hospital expansion (Stage 1A)

Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Blackall Hospital redevelopment	17.900		●			0.647	2.650	10.620	3.983	
Boulia Primary Health Care Centre	7.243		●			1.902	3.890	1.451		
Cairns Breast Screen van	0.900		●				0.900			
Cairns and Hinterland HHS ongoing programs	Ongoing		●				7.885			
Cairns Hospital central sterilising department	1.000		●			0.721	0.279			
Cairns Hospital mental health unit	70.000		●			1.354	2.805	20.462	45.379	
Cairns hybrid theatre	3.681		●			1.562	2.119			
Central Queensland HHS ongoing programs	Ongoing		●				3.935			
Central West HHS ongoing programs	Ongoing		●				1.092			
Darling Downs ieMR additional commitment	4.500		●				4.500			
Toowoomba Hospital ieMR	1.400		●				1.400			
Toowoomba Hospital renal unit	3.287		●				3.287			
Darling Downs HHS ongoing programs	Ongoing		●				6.443			
Gladstone Hospital emergency department	42.000		●			11.888	22.121	7.991		
Kingaroy Hospital redevelopment	68.900		●			10.538	23.830	34.532		
Mackay HHS ongoing programs	Ongoing		●				4.223			
Mareeba Hospital CT scanner	5.000		●			0.300	3.494	1.206		
Maryborough Hospital emergency department	7.185		●			2.527	2.473	2.185		
Maryborough Hospital specialist outpatients refurbishment	5.000		●			4.364	0.636			
Mer (Murray Island) Primary Health Care Centre replacement	7.000		●			0.683	0.274	6.043		
North West HHS ongoing programs	Ongoing		●				1.461			
Proserpine simulation laboratory	Ongoing		●				0.100			
Regional eHealth project	34.950	●				28.056	6.894			
Roma Hospital redevelopment	98.100		●			33.682	56.448	7.970		
Sarina Hospital redevelopment	16.500		●			0.329	1.041	3.334	11.796	
Waroona Multi-Purpose Centre dementia wing	0.750		●				0.750			
South West HHS ongoing programs	Ongoing		●				1.408			



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Toowoomba Hospital redevelopment detailed business case	9.000		●			0.753	6.385	1.862		
Torres and Cape HHS ongoing programs	Ongoing		●				3.226			
Townsville Hospital MRI machine	2.350		●				2.350			
Townsville HHS ongoing programs	Ongoing		●				11.300			
Townsville Hospital clinical services redevelopment	10.400		●			6.038	3.861	0.501		
Townsville Hospital MRI device	2.350		●			1.919	0.431			
Wide Bay HHS ongoing programs	Ongoing		●				3.694			
<b>Queensland Ambulance Service</b>										
Cairns Ambulance Station and Operations Centre redevelopment	5.600		●			0.414	0.900	1.400	2.886	
Kirwan Ambulance Station	5.000		●			0.047	1.600	3.353		
Replacement Mareeba Ambulance Station	2.000		●			0.019	1.600	0.381		
New Drayton Ambulance Station	4.600		●			0.089	1.800	2.711		
New Hervey Bay Ambulance Station	5.500		●			0.013	1.200	4.287		
Rockhampton Station and Operations Centre redevelopment	7.000		●			0.220	1.300	5.480		
<b>South East Queensland</b>										
Redcliffe Hospital acute bed capacity	8.436		●			8.306	0.130			
Building Better Hospitals Caboolture Hospital expansion	352.900		●			9.100	18.400	57.000	268.400	
Building Better Hospitals Ipswich Hospital expansion (Stage 1A)	127.500		●			3.500	10.000	36.000	78.000	
Building Better Hospitals Logan Hospital expansion	460.871		●			10.242	7.500	30.000	413.129	
Building Better Hospitals Logan Hospital maternity services upgrade	15.600		●			0.100	0.400	3.300	11.800	
Building works project finalisation	Ongoing		●				0.850			
Caboolture Hospital emergency department expansion	19.600		●			17.968	1.484	0.148		
Caboolture Hospital multi-storey car park	46.610		●				1.650	28.790	15.750	
Children's Health Queensland HHS ongoing programs	Ongoing		●				3.432		0.420	

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Children's Health Queensland imaging informatics program	5.900		●			2.976	2.924			
Council of the Queensland Institute of Medical Research	Ongoing	●			●		4.316			
Gold Coast HHS ongoing programs	Ongoing		●				11.515			
Gold Coast Medical Imaging Informatics Solution	12.800		●			9.436	3.364			
Health laboratory information system replacement	60.905		●			33.035	17.717	10.153		
Logan Hospital maternity access road	3.048		●			0.045	0.335	2.668		
Master planning studies	Ongoing		●				2.157			
Caboolture Hospital additional 32-bed ward fitout (Stage 2)	8.560		●			4.871	0.089			
Queensland Health external cladding taskforce project	8.500		●			4.483	4.017			
Redcliffe Hospital day procedure unit	2.694		●			0.120	2.574			
Redcliffe Hospital operating theatre (Level 2)	5.450		●			0.767	4.118	0.565		
Royal Brisbane and Women's Hospital Health Support Queensland relocations	4.976		●			3.998	0.192	0.786		
Royal Brisbane and Women's Hospital Sony You Can Centre	2.478		●			1.912	0.243	0.323		
Metro North HHS ongoing programs	Ongoing		●				30.407			
Logan Hospital maternity services upgrade	2.275		●				2.275			
Logan Hospital mental health clinical decision unit	1.531		●			0.070	1.461			
Logan Hospital modular hospital units	6.295		●			0.140	6.155			
Metro South HHS ongoing programs	Ongoing		●				27.827			
Ongoing programs	Ongoing		●				4.334			
Princess Alexandra Hospital cladding project	45.545		●			13.197	15.700	16.648		
Princess Alexandra Hospital rehabilitation	3.000		●			1.646	1.354			
Queensland Children's Hospital fitout (Level 12)	20.000		●			0.252	10.651	9.097		
Redcliffe Hospital car park	36.780		●			1.296	27.015	8.469		
Redcliffe Hospital MRI machine	16.000		●				3.000	7.000	6.000	
Redland Hospital upgrade	1.730		●			0.365	1.365			

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Rockhampton drug rehabilitation and treatment facility	9.500		●			0.134	0.988	7.400	0.978	
Royal Brisbane and Women's Hospital nuclear medicine hot-laboratory expansion	6.110		●			5.809	0.236	0.065		
Statewide general chemistry and immunoassay replacement and automation project	16.511		●				13.010	3.501		
Sunshine Coast HHS ongoing programs	Ongoing		●				8.517			
Sunshine Coast University Hospital	1,872.151		●			1,792.125	2.740	34.813	42.473	
Sunshine Coast University Hospital ICT project (Group 4)	66.300		●			53.332	4.790	8.178		
University of Queensland Oral Health Centre Herston	4.699		●			4.280	0.119	0.300		
West Moreton HHS ongoing programs	Ongoing		●				4.908			
<b>Queensland Ambulance Service</b>										
Gold Coast Ambulance Service Operations Centre redevelopment	6.200		●			0.200	0.300	2.500	3.200	
Minor works	Ongoing		●				5.000			
New Munruben Ambulance Station	4.000		●				0.050	1.950	2.000	
Ongoing programs	Ongoing		●				39.255			
Statewide strategic land acquisitions	Ongoing		●				1.500			
New Yarrabilba Ambulance Station	4.300		●			0.060	1.200	3.040		
<b>Statewide</b>										
Adolescent mental health facilities	68.237		●			34.630	27.946	5.661		
Advancing Queensland health infrastructure program	230.000		●			26.501	34.495	80.527	88.477	
Ongoing works	Ongoing		●				22.496	2.000		
Priority capital program	Ongoing		●				80.000			
Regional Queensland staff accommodation program	13.150		●			6.173	3.143	3.002	0.832	

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.

Similar projects belonging to different agencies have been combined (e.g. ongoing programs).



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Strategically respond to the increasing demand for healthcare services over the next 10 years through the delivery of efficient infrastructure involving the better use and re-use of facilities and changing models of care.

**Status update:** Queensland Health is committed to setting clear strategic directions for the planning and delivery of infrastructure and ensuring it is aligned to the purpose and vision of *Advancing Health 2026*.

Queensland Health has established a planning directorate to coordinate medium to long-term health system planning. This single coordination point for strategic planning functions is focused on collaboration and an integrated approach to support sustainable health services.

The directorate is progressing a framework for the planning, prioritisation and delivery of infrastructure, workforce and health service investment that seeks to:

- ▶ transform – initiatives to reduce hospital attendances by preventing ill-health and providing non-acute care in settings other than hospitals
- ▶ optimise – initiatives to manage increased demand by optimising the use of existing infrastructure and services through improved hospital self-sufficiency and the development of appropriate clinical capabilities in the right place.

This aligns with the SIP's vision to focus on non-capital and less costly capital solutions before embarking on new infrastructure projects.

### Opportunity 2

Renewal and utilisation of the ageing health asset base over a 10-year horizon through investment in renewal to promote performance and reduce operating costs.

**Status update:** Queensland Health has implemented the *Strategic Asset Management Plan (SAMP)* framework to articulate and strengthen the linkages between health services, workforce planning, digital strategies and infrastructure investment. The SAMP provides a long-term view of the interdependencies between the provision of health services and infrastructure investment.

### Opportunity 3

To achieve innovation in delivery of health infrastructure solutions through smart infrastructure and new models of service to future-proof healthcare provision.

**Status update:** Queensland Health continues to develop a coordinated program of work to implement alternative models of care through partnerships with primary health networks and other organisations. Telehealth and hospital-in-the-home services are being expanded across the state.

Queensland Health continues to consolidate the digital hospital program and a number of other ICT initiatives. The integrated electronic Medical Record system ensures clinicians can access patients' medical records quickly and securely. Secure access to comprehensive, real-time medical information enables safer and more reliable care for patients, and allows clinicians to spend more time at the bedside.

The utilisation of telehealth services has continued to grow as a key enabler in delivering rural and remote health services. It allows for specialised patient care closer to home and the more efficient use of limited health system resources.

Queensland Health invests \$5 million annually into the New Technology Funding and Evaluation Program (NTFEP) to introduce and evaluate innovative healthcare technologies to the public health system.

While technology has contributed to remarkable advances in healthcare, it has also led to an increase in expenditure. It is important to invest in new technologies to deliver the best outcomes for patients and the healthcare system. The benefits of NTFEP include providing patients with cutting-edge, safe, effective and cost-effective healthcare technology, and giving clinicians access to the best tools available. It enables new technology to be piloted that minimises the risk to the health system, and evaluation that informs future investment.

Funding is provided to Health and Hospital Services to introduce technologies with demonstrated potential to improve service delivery, access to care and patient outcomes. The evaluation of findings will assist decision-makers regarding future investment.



*Wynnum Queensland Ambulance Service facility*

# Education and training





**Education and training transforms lives. School buildings and training facilities provide the physical infrastructure to enable this transformation. Global change is generating new social, personal and learning demands. The Queensland Government is responding to this change by building inclusive schools with inspiring learning environments, which nurture wellbeing, developing the skills students need for the future.**

Delivering contemporary, engaging and energy-efficient infrastructure is a key contributor to the provision of quality education and training services. Every day the Queensland Government is investing in schools, including maintenance and energy-efficient technology.

This investment in education will cater for the expected 29 per cent growth in enrolments between 2019 and 2036, taking total enrolments from 563,115 to more than 725,000 students. The \$1.3 billion investment through Building Future Schools, the \$235 million over four years to 2021–22 to enhance and upgrade facilities in schools across the state for the Renewing our Schools program, \$339 million over four years to 2022–23 for the School Infrastructure Enhancement Program and \$97 million for the Advancing Clean Energy Schools Program are some of the key initiatives that are modernising the state's education facilities.

Learning environments that extend the boundaries of traditional education design will be delivered in new schools including the Fortitude Valley State Secondary College and the Inner City South State Secondary College. These new and innovative facilities will feature modern, flexible and accessible learning and shared community spaces that provide long-term benefits to the schools and local communities.

Change is also impacting training. Substantial industry and demographic change has required adaption by the Queensland training sector. Infrastructure plans developed in 2018 serve as the blueprint for revitalising training sites to better support students, communities and industry. Scale, flexibility, location and asset condition are key considerations of the state's training infrastructure requirements. Whether infrastructure is fit-for-purpose for current and future needs, the extent of backlog maintenance, and the need for improved learner experience are key drivers of infrastructure investment planning and delivery in the training sector.

## Key initiatives

### Building Future Schools

- ▶ \$1.3 billion to support growing communities. These projects include:
  - new Fortitude Valley State Secondary College opening in 2020
  - West End State School expansion
  - Queensland Academy for Science, Mathematics and Technology expansion
  - Kelvin Grove State College Ballet Academy expansion
  - master plans for 35 inner-city state schools
  - deliver another seven new schools for 2020, including a special school at Caboolture, a primary school at Ripley Valley and five secondary schools at Ripley Valley, Coomera, Yarrabilba, Calliope and Mango Hill
  - new primary schools in Palmview and Pimpama opening in 2021
  - new special school in Caloundra South opening in 2021
  - new special school in Palmview opening in 2021
  - new Inner City South State Secondary College at Dutton Park opening in 2021
  - strategic land acquisitions.

### Renewal and maintenance

- ▶ \$235 million over four years to 2021–22 to enhance and upgrade facilities in schools across the state.
- ▶ \$783 million is projected to be invested in maintenance over the next four years to 2022–23.

### 2020 Ready

- ▶ More than \$250 million over two years to 2019–20 to deliver additional classrooms and learning centres in 61 high schools.
- ▶ This investment ensures schools can accommodate the additional 17,000 students expected from 2020 and into the future.

### School infrastructure enhancement

- ▶ \$339 million over four years to 2022–23 to repair, repurpose and modernise buildings to deliver functional school facilities aligned to modern curriculum learner needs.

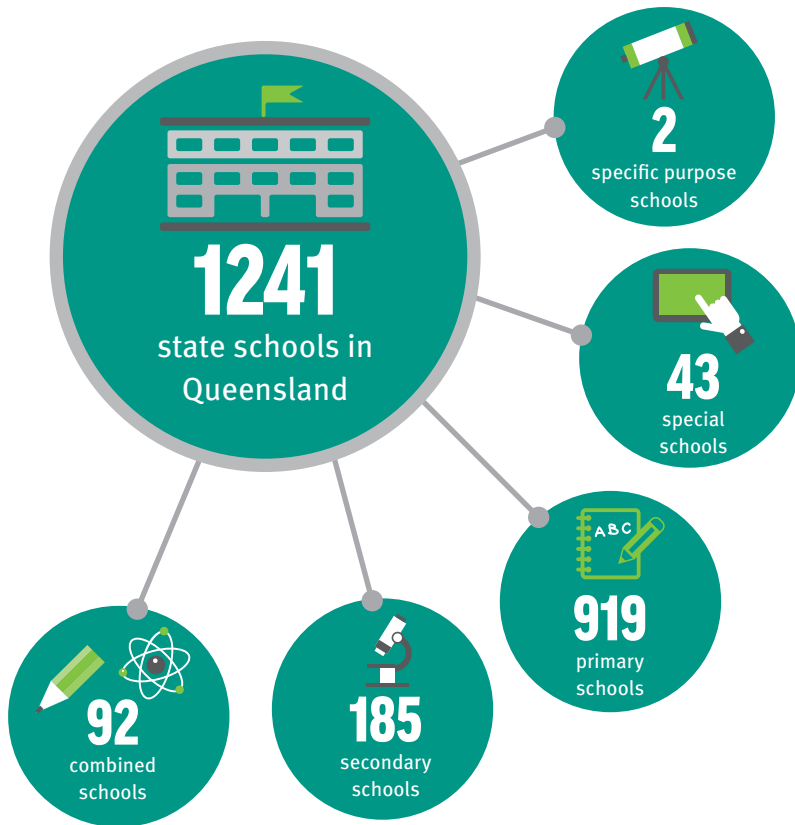
### Advancing clean energy in schools

- ▶ \$97 million over three years in school PV systems and energy efficiency measures to reduce energy costs.

### Training infrastructure revitalisation

- ▶ \$105.8 million investment in 2019–20 to renew key training facilities across TAFE Queensland campuses.





**174**

early childhood centres



**643**

training buildings



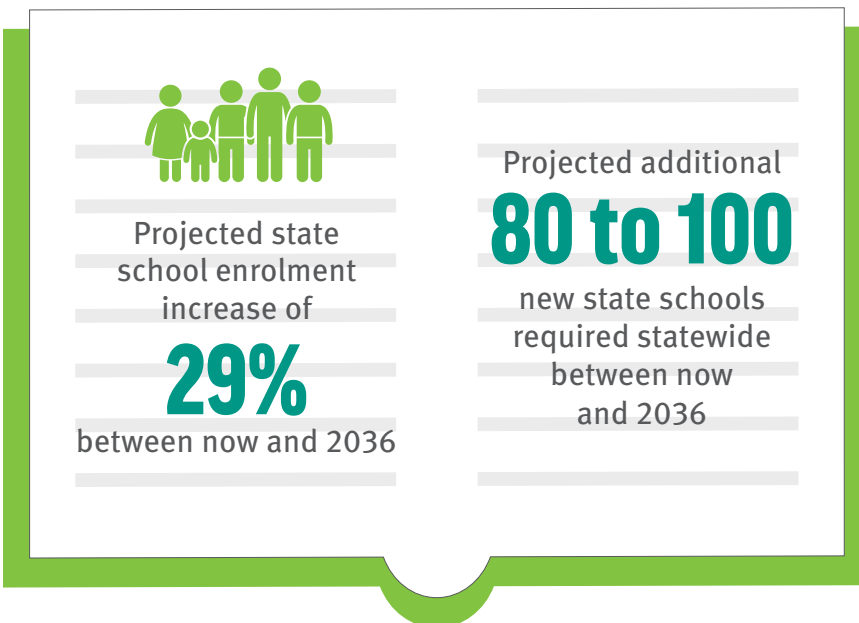
**\$19.4 B**

total of education and training assets



**6183 MWh**

generated by school solar systems in 2018



## Eight new schools for 2020

The Queensland Government is investing in major education infrastructure, with eight new schools set to open in 2020.

These are being delivered as part of the Department of Education's infrastructure investment, which includes \$1.3 billion from the Building Future Schools Fund. The fund is supporting growing communities across the state.

Six new secondary schools will open in the following localities: Fortitude Valley, Calliope, Coomera, Mango Hill, Yarrabilba and Ripley Valley. There will also be a new primary school in Ripley Valley and a new special school in Caboolture.

The construction of the first stage of the new schools is estimated to support more than 1150 jobs. Additional stages will be delivered as needed.

Construction is underway across all eight sites in preparation for the schools' opening in January 2020.

The new high school in Fortitude Valley is one of two secondary schools to be delivered in Brisbane's inner city, to cater for the increasing population growth and demand for schooling. The Inner City South State Secondary College in Dutton Park will follow in 2021.

The Ripley Valley and Yarrabilba schools will deliver vital education infrastructure in PDAs, which are forecast to accommodate significant residential growth.

The new special school at Caboolture will provide valuable services to a growth corridor north of Brisbane.

Calliope's state high school will provide a local school for students who currently travel to Gladstone, Toolooa, Tannum Sands or take part in distance education.

The new state high schools in Mango Hill and Coomera will cater for increasing population in these rapidly growing areas to relieve enrolment pressure on existing high schools.

For more information, visit the project website: <https://qed.qld.gov.au/programs-initiatives/det/building-education/new-schools-for-2020>.



Concept design for the Fortitude Valley State Secondary College

## Fortitude Valley State Secondary School

Queenslanders are changing the way they live and where they choose to live, with more families deciding to embrace inner-city living. Over the past 10 years, around 5000 additional students have enrolled in state schools in and around the Brisbane CBD. This growth is set to continue with more than 3000 additional students expected to move into the inner city in the next five years.

To help meet this demand, the Queensland Government is investing more than \$1.3 billion through the Building Future Schools Program to support these growing communities. The program includes a new secondary school in Fortitude Valley – the first new state high school to be built in inner Brisbane for more than 50 years. It will be designed with vertical solutions to reflect its urban setting.

The school will service growing communities in Brisbane's inner north and relieve enrolment pressure on Kelvin Grove State College. The first Year 7 cohort will start in 2020 and will grow each year until 2025, when they graduate from Year 12.

Technology will be a key element of the new school, with innovative and future-focused approaches. This will be supported by excellence in teaching and learning together, with strong university and community collaboration.



*Concept design for the Fortitude Valley State Secondary School*

## Inner City South State Secondary College

A new secondary college will open in the Brisbane suburb of Dutton Park in 2021 as part of the Queensland Government's \$1.3 billion Building Future Schools Fund being invested.

The Inner City South State Secondary College will be located on the corner of Gladstone and Annerley roads, with excellent connectivity to the Boggo Road health and knowledge precinct, and the University of Queensland.

The master plan for the school includes a creative performing arts hub, three learning areas, an administration building, multi-purpose hall and outdoor learning plaza.

The open design and adaptable spaces will foster closer community connections and create opportunities for collaboration and activation.

Construction will start in late-2019, with the school being delivered in stages. The first facilities will come online for Year 7 students in 2021. The school will grow by a year level annually until 2026, when the school will cater for Years 7 to 12 students.

It will be the second state high school to open in the inner Brisbane area in more than 50 years.



*Concept design for the Inner City South State Secondary College*

## 2019 pipeline

### 1

#### PLANNING

##### CONCEPT

- Meadowbrook health and education precinct (N)
- Master planning in training in Chinchilla (N)
- Master planning in training in Burdekin (N)
- Master planning in training in Mount Isa (N)
- Master planning in training in Mooloolaba (N)
- Master planning in training in Caboolture (N)
- Master planning in training in Kingaroy (N)
- Coomera marine training precinct

##### STRATEGIC ASSESSMENT

- Master planning and options analysis in training at Warwick TAFE's renewable energy training facility (N)
- Various strategic assessments to identify educational needs in high-growth areas across Queensland (N)

##### PRELIMINARY EVALUATION

- Master planning in training in Ipswich (N)
- Master planning in training in northern Brisbane (Eagle Farm) (N)
- Additional primary schooling capacity in inner-west Brisbane (N)
- Master planning in training in northern Brisbane (Bracken Ridge) (N)
- Master planning in training in northern Brisbane (North Lakes) (N)

##### BUSINESS CASE

- Training infrastructure revitalisation at Mount Gravatt TAFE (Stage 2) (C)
- Training infrastructure revitalisation at Cairns TAFE (C)
- Additional primary schooling capacity in the Ipswich City Council area (N)
- Additional primary schooling capacity in the Logan City Council area (N)
- Additional special schooling capacity in SEQ (N)
- Additional secondary schooling capacity in SEQ (N)

### 2

#### INVESTMENT DECISION

Strategic

Financial and economic

Deliverability

Social and environment

### 3

#### DELIVERY

**2019-20**  
**BUDGET: \$1.5 B**

- Advancing Our Training Infrastructure (modernisation) at TAFE Gold Coast sites (C)
- Advancing Our Training Infrastructure (modernisation) at TAFE Redlands sites (C)
- Modernisation of health training facilities at Loganlea TAFE (PE)
- Modernisation of health training facilities at Caboolture TAFE (PE)
- Advancing Our Training Infrastructure (modernisation) at Toowoomba TAFE
- Advancing Our Training Infrastructure (consolidation and modernisation) at Pimlico TAFE (Townsville) (BC)
- Secondary schooling capacity at the former Fortitude Valley State School site in collaboration with the Queensland University of Technology
- Support the expansion of West End State School
- Additional secondary schooling capacity for northern Brisbane (Mango Hill)
- Additional secondary schooling capacity at Coomera
- Additional secondary schooling capacity at Yarrabilba (N)
- Additional primary and secondary schooling capacity at Ripley Valley
- Additional secondary schooling capacity in the Gladstone region (Calliope)
- Additional special schooling capacity at Caboolture (N)
- Secondary schooling capacity for the inner-south of Brisbane, in collaboration with the University of Queensland
- Additional schooling capacity at Palmview (PE)
- Additional special schooling capacity on the Sunshine Coast (PE)
- Additional secondary schooling capacity at Caloundra South (PE)
- Additional primary schooling capacity at Pimpama North

Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Agnes Water State School traffic safety improvements	0.860		●			0.860				
Branyan Road State School additional classrooms	2.904		●			1.550	1.354			
Bucasia State School replacement air-conditioning	1.054		●			0.041	0.405	0.608		
Bundaberg State High School refurbishment and upgrade works	10.488		●			0.870	7.707	1.911		
Cairns State High School refurbishment and upgrade works	10.510		●			0.074	10.436			
Cannonvale State School additional classrooms, new administration and resource centre	8.000		●				2.000	6.000		
Centenary Heights State High School – Performing arts centre and additional classrooms	10.034		●			9.105	0.929			
Dirranbandi P-10 State School replacement air-conditioning	0.454		●			0.089	0.365			
Emerald State High School replacement air-conditioning	2.430		●			0.729	1.701			
Gooburrum State School additional classrooms	3.567		●			1.337	2.230			
Harristown State High School additional classrooms	13.379		●			11.518	1.861			
Heatley Secondary College refurbishment and upgrade works	10.510		●			0.073	8.215	2.222		
Hervey Bay State High School performing arts centre and additional classrooms	10.000		●				2.500	7.500		
Ingham State High School replacement air-conditioning	2.187		●			0.049	2.138			
James Nash State High School additional classrooms	4.305		●			3.775	0.530			
Mackay District Special School replacement air-conditioning	0.851		●			0.146	0.705			
Maryborough State High School refurbishment and upgrade works	10.496		●			0.620	6.021	3.855		
Moranbah State High School multi-purpose hall	4.300		●			0.303	3.997			
Mornington Island State School replacement air-conditioning	0.757		●			0.028	0.729			
Murgon State High School construction of a new administration building	4.300		●				0.860	3.440		
Murgon State High School new hall	5.734		●				2.580	3.154		
New Calliope secondary school (Stage 1)	36.888		●			16.659	20.229			

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	2020–21	Indicative 2021–22 to 2022–23	Beyond
North Rockhampton State High School refurbish classrooms	2.150		●			0.962	1.188			
North Shore State School new school	44.418		●			37.694	6.724			
Northern Beaches State High School additional classrooms	5.113		●			2.889	2.224			
One Mile State School replacement building	2.694		●			1.188	1.506			
Parkhurst State School additional classrooms	5.700		●				1.600	4.100		
Proserpine State High School additional classrooms	7.338		●			6.000	1.338			
Proserpine State High School refurbishment and upgrade works	10.509		●			0.090	7.558	2.861		
Ravenswood State School relocation of school	8.027		●			3.723	4.304			
Redlynch State College additional classrooms	8.400		●				2.100	6.300		
Roma State College middle Campus replacement air-conditioning	2.107		●			0.122	1.985			
Sarina State High School refurbishment and upgrade works	10.508		●			0.134	2.389	7.985		
St George State High School replacement air-conditioning	2.107		●			1.418	0.689			
St George State School replacement air-conditioning	1.297		●			0.770	0.527			
Tara Shire State College early years service	3.887		●			3.330	0.557			
The Willows State School security fence	0.616		●				0.616			
Toolooa State High School additional classrooms	4.635		●			2.764	1.871			
Toowoomba East State School replace amenities	1.434		●				0.717	0.717		
Toowoomba State High School refurbishment and upgrade works	10.509		●			0.104	5.699	4.706		
Trinity Bay State High School additional classrooms	9.078		●			5.440	3.638			
Tropical North Learning Academy – Smithfield State High School additional classrooms	7.000		●				1.750	5.250		
Tropical North Learning Academy – Smithfield State High School refurbishment and upgrade works	10.507		●			0.186	10.246	0.075		
Tropical North Learning Academy – Trinity Beach State School refurbishment and upgrade works	10.511		●			0.058	10.453			
Victoria Plantation State School replacement air-conditioning	0.380		●			0.028	0.352			
Wyreema State School additional classrooms	5.100		●				1.275	3.825		

# Education and training

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Yeppoon State High School additional classrooms	4.869		●			3.393	1.476			
<b>South East Queensland</b>										
Albany Creek State High School additional classrooms	5.821		●			3.720	2.101			
Alexandra Hills State High School additional classrooms	4.061		●			3.467	0.594			
Aspley State High School refurbishment and upgrade works	10.509		●			0.116	7.417	2.976		
Augusta State School additional classrooms	5.495		●			2.901	2.594			
Banksia Beach State School new car park	0.830		●			0.215	0.615			
Bardon State School covered school pick up area	0.860		●			0.430	0.430			
Baringa State Primary School new school	31.177		●			29.660	1.517			
Beenleigh Special School additional classrooms	6.498		●			0.945	5.553			
Bray Park State High School additional classrooms	8.000		●				2.000	6.000		
Bribie Island State High School additional classrooms	7.645		●			5.250	2.395			
Brightwater State School additional classrooms	6.871		●			4.179	2.692			
Brisbane Central State School additional classrooms	14.100		●				3.525	10.575		
Broadbeach State School additional classrooms	7.646		●			1.110	6.536			
Buddina State School additional classrooms	3.000		●				0.750	2.250		
Burpengary State Secondary College additional classrooms	10.000		●				2.750	7.250		
Caboolture State High School additional classrooms	11.610		●			6.633	4.977			
Caboolture State High School school enhancement works	0.783		●				0.783			
Caboolture State High School site renewal including administration extension	1.247		●			0.020	1.227			
Cavendish Road State High School additional classrooms	8.887		●			5.614	3.273			
Centenary State High School additional classrooms	7.645		●			6.785	0.860			
Chancellor State College additional classrooms	4.582		●			4.057	0.525			
Cleveland District State High School additional classrooms	7.763		●			6.072	1.691			
Coolum State High School additional classrooms	5.447		●			0.488	4.959			

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	2020–21	Indicative 2021–22 to 2022–23	Beyond
Coolum State High School additional classrooms under existing building	2.580		●			0.669	1.911			
Corinda State High School refurbishment and upgrade works	10.508		●			0.135	10.373			
Darling Point Special School additional classrooms	1.000		●				1.000			
Eagle Junction State School additional classrooms	7.900		●				2.370	5.530		
Eagleby South State School additional classrooms	3.822		●			0.575	3.247			
Eumundi State School additional classrooms	7.000		●				1.535	5.465		
Everton Park State High School refurbishment and upgrade works	10.507		●			0.166	8.871	1.470		
Fernbrooke State School additional classrooms	10.200		●			0.500	7.000	2.700		
Ferny Grove State High School additional classrooms	17.297		●			9.863	7.434			
Ferny Grove State High School refurbishment and upgrade works	10.508		●			0.117	7.746	2.645		
Forest Lake State High School additional classrooms	7.932		●			5.985	1.947			
Goodna Special School additional classrooms	10.500		●				2.625	7.875		
Griffin State School additional classrooms (Stage 3)	10.034		●			1.911	8.123			
Griffin State School additional classrooms (Stage 4)	9.270		●				0.478	8.792		
Hamilton State School additional classrooms	4.500		●				1.125	3.375		
Indooroopilly State High School additional classrooms	16.246		●			7.600	8.646			
Indooroopilly State High School refurbishment and upgrade works	10.510		●			0.107	9.251	1.152		
Indooroopilly State School additional classrooms	9.683		●			6.441	3.242			
Inner City South State Secondary College playing fields sportsfield development (Stage 1)	1.911		●			0.057	1.854			
Ipswich State High School additional classrooms	6.700		●				2.010	4.690		
Ironside State School additional classrooms	0.580		●				0.580			
Ithaca Creek State School additional classrooms	11.200		●			0.560	7.000	3.640		
Jamboree Heights State School additional classrooms	2.500		●				0.450	2.050		
Kallangur State School hall extension	3.822		●				1.720	2.102		
Kawana Waters State College additional classrooms	5.008		●			1.382	3.626			



# Education and training

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Kedron State High School additional classrooms	5.781		●			3.673	2.108			
Kedron State School additional classrooms	5.734		●			3.556	2.178			
Kelvin Grove State College new ballet facility and additional classrooms	2.676		●			1.001	1.675			
Kelvin Grove State College new indoor sports facility	8.875		●			3.509	5.366			
Kelvin Grove State College new indoor sports facility additional works	5.208		●			0.821	4.387			
Kelvin Grove State College new indoor sports facility and additional classrooms	3.058		●			1.113	1.945			
Kelvin Grove State College – Queensland Ballet facility	12.710		●			4.253	8.457			
Laidley State High School additional classrooms	8.123		●			4.559	3.564			
Lawnton State School contribution to new hall	2.389		●				0.597	1.792		
Logan City Special School additional classrooms	8.625		●				1.740	6.885		
Logan Reserve State School additional classrooms	3.600		●				0.900	2.700		
Logan Reserve State School utilities upgrade	0.391		●			0.002	0.389			
Lowood State High School additional classrooms	3.639		●			3.089	0.550			
MacGregor State School – Stop drop 'n' go facility	0.737		●			0.473	0.264			
Mackenzie State Special School additional classrooms	3.823		●			0.096	0.956	2.771		
Mango Hill State School new hall	5.733		●				2.102	3.631		
Mansfield State High School additional classrooms (Building 2)	8.983		●			4.440	4.543			
Mansfield State High School refurbishment and upgrade works	10.510		●			0.098	6.620	3.792		
Mansfield State School additional classrooms	7.700		●				1.500	6.200		
Maroochydore State High School additional classrooms	4.921		●			3.356	1.565			
Marsden State High School additional classrooms	16.100		●				4.025	12.075		
Milton State School additional classrooms	7.740		●			0.490	7.250			
Mitchelton Special School additional classrooms	5.830		●			0.096	0.956	4.778		
Mitchelton State High School refurbishment and upgrade works	10.509		●			0.125	5.316	5.068		

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
							2020–21	2021–22 to 2022–23	Beyond	
Moggill State School additional classrooms	5.900		●			1.775	4.125			
Morayfield State High School new hall	5.733		●			2.102	3.631			
Morningside State School additional classrooms	5.000		●			1.500	3.500			
Mount Cotton State School new prep and administration building	3.440		●			0.860	2.580			
Mount Gravatt State High School additional classrooms	4.444		●		3.393	1.051				
Mount Ommaney Special School additional classrooms	6.689		●		3.846	2.843				
Murrumba State Secondary College additional classrooms	12.423		●		4.569	7.854				
New Farm State School additional classrooms	13.000		●			3.250	9.750			
Fortitude Valley State Secondary College (Stage 2)	31.991		●			2.389	24.824	4.778		
New Inner City South State Secondary College external site works and upgrades	6.088		●		0.894	5.194				
New Inner City South State Secondary College (Stage 1 and 2)	118.146		●		4.022	33.672	66.758	13.694		
New Palmview primary school	58.021		●		0.500	17.332	25.999	14.190		
New Pimpama primary school	54.180		●		0.500	14.848	22.272	16.560		
New primary school in Ripley (Stage 1)	41.906		●		15.374	26.532				
New Caloundra South secondary school	83.062		●		0.500	23.977	35.965	22.620		
Foxwell State Secondary College	53.972		●		7.712	43.463	2.797			
Fortitude Valley State Secondary College (Stage 2)	77.907		●		20.493	56.935	0.479			
New secondary school in Mango Hill (Stage 1)	45.533		●		8.083	37.450				
New Palmview secondary school early works	10.335		●			4.134	6.201			
New secondary school in Ripley (Stage 1)	52.229		●		18.144	34.085				
New secondary school in Yarrabilba (Stage 1)	50.731		●		9.922	40.809				
New special school in Caboolture (Stage 1)	21.215		●		7.538	13.677				
New Palmview special school	62.547		●		0.500	17.012	25.517	19.518		
Newmarket State School additional classrooms	4.500		●			1.350	3.150			
Nursery Road State Special School additional classrooms	8.600		●			2.150	6.450			
Ormeau State School additional classrooms	8.744		●		0.382	8.281	0.081			

# Education and training

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Pacific Pines State High School additional classrooms	6.993		●			3.249	3.744			
Pallara State School additional classrooms	7.000		●				0.700	6.300		
Palm Beach-Currumbin State High School additional classrooms	10.498		●			8.262	2.236			
Peregian Springs State School additional classrooms	6.500		●				1.625	4.875		
Petrie Terrace State School additional classrooms	1.000		●				0.300	0.700		
Pimpama State Primary College additional classrooms	5.543		●			1.689	3.854			
Pimpama State School additional classrooms	6.585		●			3.466	3.119			
Pine Rivers Special School additional classrooms	9.700		●				2.000	7.700		
Pumicestone State School additional classrooms	10.000		●				2.500	7.500		
Queensland Academy for Science Mathematics and Technology additional classrooms (Stage 2 and 3)	25.802		●			8.720	17.082			
Redland District Special School additional classrooms	9.000		●				2.700	6.300		
Richlands East State School additional classrooms	3.489		●			2.642	0.847			
Rochedale State High School additional classrooms	4.826		●			3.975	0.851			
Runcorn Heights State School additional classrooms	6.500		●				0.600	5.900		
Shailer Park State High School additional classrooms	8.185		●				1.750	6.435		
Southport State High School additional classrooms	10.417		●			8.326	2.091			
Springfield Central State High School additional classrooms	10.100		●				2.525	7.575		
Springfield Central State High School multi-purpose hall	7.735		●			5.082	2.653			
Springwood State High School refurbishment and upgrade works	10.508		●			0.136	8.119	2.253		
Stretton State College additional classrooms (secondary)	7.167		●			4.656	2.511			
Stretton State College additional classrooms (primary)	11.945		●			8.335	3.610			
Stretton State College additional classrooms	9.500		●				2.850	6.650		
Sunnybank Hills State School additional classrooms	10.034		●			4.247	5.787			
Sunshine Beach State High School additional classrooms	7.537		●			2.302	5.235			
Tamborine Mountain State High School additional classrooms	9.939		●			5.695	4.244			

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
The Gap State High School additional classrooms	5.600		●			1.400	4.200			
Toowong State School additional classrooms	5.000		●			1.250	3.750			
Victoria Point State High School hall extension	1.911		●			0.860	1.051			
Warrigal Road State School additional classrooms	6.200		●			1.550	4.650			
West End State School additional classrooms (Stage 1)	22.357		●		1.737	18.830	1.790			
West End State School additional classrooms (Stage 2)	25.426		●		0.096	3.651	15.673	6.006		
Windaroo Valley State High School additional classrooms	3.822		●		3.568	0.254				
Windsor State School additional classrooms	7.568		●		0.200	1.500	5.868			
Wishart State School additional classrooms	5.500		●		0.315	3.985	1.200			
Woodford State School refurbish learning spaces	0.956		●			0.478	0.478			
Yeronga State High School upgrades and enhancement works	1.911		●			0.860	1.051			
<b>Statewide</b>										
Advancing Clean Energy Schools Program	97.000		●		3.000	48.000	46.000			
Refurbish and expand TAFE facilities	78.948		●		20.000	58.948				
Air-conditioning upgrades	100.000		●			25.000	25.000	50.000		
Capital grants	Ongoing		●			100.098				
Contact centre technology refresh	0.780		●			0.780				
E-Learning projects	2.850		●			1.000	1.850			
General and minor works	Ongoing		●			80.027				
Human resources payroll and time attendance system implementation	Ongoing		●			1.200				
Identity and access management build	1.050		●			1.050				
Land acquisition	Ongoing		●			74.000				
Minor capital projects and acquisitions	0.850		●			0.850				
Plant and equipment	Ongoing		●			54.528				
Product development	Ongoing		●			2.000				
Public-private partnerships	Ongoing		●			1.433				



Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Queensland Curriculum and Assessment Authority ongoing programs	Ongoing		●			0.356				
Queensland Curriculum and Assessment Authority systems enhancements	10.597		●		7.465	3.132				
School infrastructure enhancement capital contribution	Ongoing		●			25.000				
Smart School Subsidy Scheme	Ongoing		●			6.689				
Statewide early childhood education and care general and minor works	Ongoing		●			2.334				
Training and operational equipment acquisition, replacement and modernisation	Ongoing		●			9.250				
Annual training infrastructure program	Ongoing		●			46.891				

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.

Similar projects belonging to different agencies have been combined (e.g. ongoing programs).

## 2020 Ready

The 2020 Ready program is the final phase of building investment being rolled out across Queensland schools, as a result of the major education reforms that started more than a decade ago. The introduction of the prep year in 2007 triggered the need for additional classrooms to accommodate greater student numbers in secondary schools in 2020 as the original half-cohort exit their secondary schooling.

Queensland's first intake of prep year students were those whose birthdays were in the first half of the calendar year. This meant the group was a much smaller cohort of students. The next educational reform came in 2015, when Year 7 became part of secondary school, and required additional investment in school infrastructure.

With the half-cohort of students set to graduate from high school at the end of 2019, there will be – for the very first time – six full year levels of students in Queensland secondary schools from 2020. This is why the 2020 Ready program of works for additional classrooms was needed.

The 2020 Ready program is on track to deliver 71 projects at 61 secondary schools for the start of school in 2020. To date, 35 projects at 29 schools have achieved practical completion, providing more than 350 new learning spaces in state secondary schools.

An example of this critical program is Ormeau Woods State High School where a new two-storey building has been delivered as part of the program. The facility features five new classrooms, with the potential to add eight more as demand for education in the region continues to grow. The building features a flexible learning area, state-of-the-art design laboratory, a business studies space and staff room. The design laboratory is provisioned with laser cutting, integrated design, manufacturing and 3D printing technologies, providing senior design students with the skills they need to enter a constantly evolving and technology-driven workforce.

## Training infrastructure revitalisation

TAFE Queensland campuses are being revitalised and renewed as part of the state government's ongoing commitment to training and development. A total of \$105.8 million is being invested in 2019–20.

In 2019-20 the Queensland Government's investment in training infrastructure includes \$58.9 million for significant projects to refurbish and expand TAFE training facilities at various locations across the state.

TAFE Queensland's two Gold Coast campuses are also undergoing redevelopment. The \$15 million investment in 2019–20 is being used to refurbish and expand facilities at Ashmore and Southport. The work will position Ashmore campus as a leading trades training facility. The Southport campus will be revitalised to improve general learning areas and delivery of nursing and allied health training.

TAFE Queensland's Mount Gravatt campus will receive \$15 million to refurbish and expand training facilities. The investment will improve the student experience and allow the campus to grow its specialisation in training in fashion. Up to \$10 million will be invested at Alexandra Hills to expand plumbing and construction trades training and improve allied health training facilities.

The annual training investment program will deliver projects to the value of \$46.9 million to ensure TAFE Queensland assets are fit-for-purpose. Funding is also being provided for the creation of a heavy plant and caravan trade training area at Acacia Ridge TAFE and stage one of the Eagle Farm TAFE electrotechnology and engineering trade training area. An upgrade to manufacturing training facilities at Bundamba will be completed and the renewal of roadways, car park and lighting, lifts and amenities will be progressed.

## Pimlico TAFE Queensland campus expansion

The Queensland Government's investment in significant projects at Pimlico and Toowoomba commenced in 2018. There is \$18.948 million allocated to complete these projects in 2019.

Demand for employment and training in healthcare and social assistance, professional, scientific and technical services, and education and training is growing in Townsville. The expansion of TAFE Queensland's Pimlico campus will position it as the region's specialist non-trade training centre,

equipped with modern nursing, visual arts, hospitality, hair and beauty facilities and general teaching spaces.

The campus will be able to accommodate up to 900 full-time equivalent students and support a 20 per cent growth in enrolments once the redevelopment is complete. Almost 100 full-time jobs will also be created during construction, with 15 per cent to be apprentice and trainee positions.



*Pimlico campus expansion*

## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Employ non-infrastructure solutions to improve the management of over-and under-utilised education facilities.

**Status update:** The Department of Education continues to optimise asset utilisation through effective demand management. Supporting the significant investment in education infrastructure, the Department of Education employs school enrolment management planning, which enables schools to manage enrolment growth where needed, minimising the requirement for additional education infrastructure. Master plans have been completed for 35 state schools (in conjunction with the schools) across inner Brisbane through Building Future Schools, to identify future development opportunities to support the management of enrolment growth.

Opportunities to increase training asset utilisation have been a key consideration of planning for state training infrastructure. For example, space consolidation at Pimlico will provide opportunities for increased utilisation through the co-location of other government services.

### Opportunity 2

Increase third-party, including community, use of existing buildings and facilities by examining and challenging traditional operating models, including the use of sports and recreation facilities at state schools.

**Status update:** The Community Use of School Facilities Procedure provides opportunities for public access to buildings and sport and recreation facilities outside school hours for appropriate purposes. The secondary use of early childhood assets encourages greater use of early childhood and community engagement assets to better meet the needs of the local community.

### Opportunity 3

Investigate the feasibility of sharing surplus or under-utilised education and training facilities with other government departments.

**Status update:** Infrastructure planning has identified for opportunities to share under-utilised facilities. For example, Red Hill Special School, Queensland Pathways State College and The Sycamore School continue to be accommodated at various training sites. The Department of Employment, Small Business and Training is supporting the establishment of social enterprise through leased space. Five sites have been identified for strategic government re-use.

### Opportunity 4

Support schools to establish strategic infrastructure plans that align curriculum and education outcomes to future school infrastructure needs.

**Status update:** The school strategic infrastructure planning (SSIP) process, which commenced in 2015, provides a framework for schools and regional educational planners to consider future infrastructure priorities to meet changing curriculum requirements. More than 1100 schools have completed their SSIP.

### Opportunity 5

Focus on carbon footprint (Advancing Clean Energy Schools).

**Status update:** More than 1200 (99 per cent) state schools have some solar PV systems, with a total statewide capacity of about 7.5 megawatts. The \$97 million Advancing Clean Energy Schools (ACES) program will facilitate the supply and installation of 35 MW of solar PV systems. It will also deliver energy efficiency initiatives like LED lighting upgrades in many state schools to reduce energy costs.

### Opportunity 6

Focus the Infrastructure Investment Program Infrastructure Investment Program to deliver fit-for-purpose learning spaces to meet current and future teaching requirements.

**Status update:** New schools and facilities are being delivered through the \$1.46 billion 2019–20 IIP. This also includes the timely renewal and maintenance of these assets.

## Future opportunities – continued

### Opportunity 7

Plan for the future sustainability of our education and training facilities through master planning in high-growth Queensland communities.

**Status update:** Master planning has been completed for 35 state schools (in conjunction with the schools) across inner Brisbane. Architects and planners have worked with schools to develop these plans, which will assist in planning for future infrastructure needs. During 2019–20, master plans will be developed for Warwick, Chinchilla, Burdekin, Mount Isa, Mooloolaba, Caboolture and Kingaroy training sites.

Master planning for the Meadowbrook Health and Knowledge Precinct will be completed in collaboration with Metro South Hospital and Health Service, and for Central Queensland with Central Queensland University.

### Opportunity 8

Work with local government, developers and other government agencies to collaboratively plan to meet the needs of growing and changing communities by delivering agile shared infrastructure solutions.

**Status update:** The Department of Education continues to work with the CHaPs program on identified new school projects to implement co-location and shared-use opportunities to meet community need. For example, Yarrabilba State School and Family and Community Place opened on the joint site in late-2018, while the Providence Ripley co-located primary and secondary schools are set to open in 2020.

### Opportunity 9

Encourage alternative capital investment mechanisms to support growth and service demand pressures impacting on the education sector.

**Status update:** The Department of Education has actively engaged with the private sector to deliver new ways of meeting long-term growth demand for new schools. Through public-private partnerships for design, construction and maintenance phases, the department will continue to explore alternative capital investment mechanisms to deliver education services to local communities.

A training asset, infrastructure planning and prioritisation process was used in the development of 2019–20 capital works and maintenance program evaluations. The Department of Employment, Small Business and Training's skills needs committee, inputs from Jobs Queensland and consultation with key government stakeholders are key elements of the infrastructure portfolio governance framework.

### Opportunity 10

Partner with other education and training providers to meet the needs of communities through co-sharing or co-location of facilities.

**Status update:** The Department of Employment, Small Business and Training continues to facilitate partnership opportunities with other education and training providers. For example, the University of the Sunshine Coast is co-located with TAFE Queensland at its Caboolture campus as part of a plan to strengthen nursing and health career pathways. The university has also recently increased its space at TAFE Queensland's Gympie campus.



# Digital



**Secure, reliable and cost-effective digital infrastructure improves the lives of Queenslanders by connecting regions, communities and businesses to better services and the digital economy.**

The digital economy offers opportunities for all Queenslanders to benefit from productivity gains across the economy. Cross-pollination of the technology and infrastructure sectors is vital to the identification of innovative solutions to infrastructure problems. Digital infrastructure provides opportunities to create new high-value industries.

While telecommunication networks are regulated by the Australian Government and delivered largely by the private sector, the Queensland Government plays a vital role in ensuring the state has access to world-class digital infrastructure.

Governments at all levels are increasingly adopting a 'digital first' approach to improve services and responsiveness. In a decentralised state such as Queensland, there is enormous potential to improve service delivery through optimised use of existing digital infrastructure and technology.

The Queensland Government continues to develop new ways for Queenslanders to easily and consistently access government services regardless of where they live.

Globally, investment in smart digital technologies is improving the coordination and efficiency of city operations, making cities safer and better connecting people. In Queensland, smart technologies are providing the opportunity to grow key industries, such as the smart tourism platform being deployed in central-west Queensland.

In sectors such as health and education, more reliable and accessible digital infrastructure is helping improve outcomes and reduce service delivery costs.

## Key initiatives

### Telecommunications for the regions

- ▶ The Queensland Government is establishing FibreCo Qld to utilise 6000 kilometres of state-owned optical fibre cable network to provide faster, more reliable internet. FibreCo Qld will offer wholesale backhaul at lower prices, which will potentially allow access to faster and more reliable internet to homes and businesses in regional Queensland. FibreCo Qld will also facilitate connections to regional National Broadband Network (NBN) Points of Interconnect to maximise the access to the FibreCo Qld service.

### Public Safety Regional Radio Communications

- ▶ \$26.9 million was allocated across 2018–19 and 2019–20 to public safety agencies to progress the Public Safety Regional Radio Communications project. This project will ensure the Queensland Fire and Emergency Services complies with Australian Communications and Media Authority requirements.

### Regional Internet of Things (RIoT) Program

- ▶ The government's Advance Queensland initiative includes a commitment to progress Internet of Things (IoT) technologies to improve services to communities. The Department of Innovation and Tourism Industry Development is investigating options to best support the most relevant industries and regional areas.

### Ambulances receive upgraded mobile data terminals

- ▶ Frontline ambulance vehicles in SEQ are being updated with modern and robust technology. The mobile data terminal upgrade enables the Queensland Ambulance Service to deliver timely, quality and appropriate patient-focused services through real-time communications between the Computer Aided Dispatch and frontline ambulance vehicles.

### Satellite radio units for ambulance crews

- ▶ During 2018–19, an additional 60 push-to-talk satellite radio units were introduced to support traditional terrestrial networks and increase communication capabilities when there is no mobile radio network coverage. The initiative successfully improved communications between Queensland Ambulance Service and paramedic and patient transport crews. This initiative will be expanded during 2019–20, with a further 137 satellite radio units implemented across regional Queensland frontline ambulance vehicles.



Adoption and use of digital technologies could contribute  
**\$140 B to \$250 B**  
 to Australia's GDP by 2025

Source: The Digital Economy: Opening up the conversation, September 2017

In 2017, small businesses with advanced levels of digital engagement were

**50%**

more likely to be growing revenue

(relative to Australian small businesses with basic levels of digital engagement)

Source: Connected Small Businesses 2017, Deloitte, Access Economics



**21.74 M**  
 internet users  
**88%**  
 penetration

Source: A snapshot of Australia's digital statistical indicators, Digital in 2018, Hootsuite



Broadband downloads increased by  
**28%**  
 from June 2017 to June 2018

Source: Australian Bureau of Statistics

Queensland Mobile Black Spot Program:

**144**

new or upgraded mobile towers being delivered under rounds 1 and 2

**26**

new base stations awarded under round 4



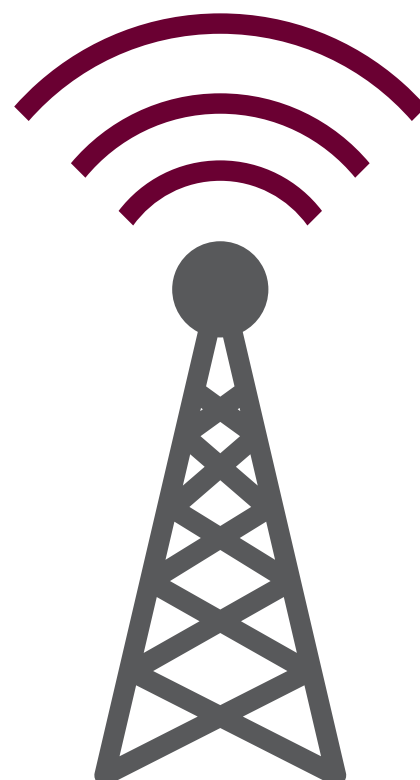
In February 2019, NBN services were available to almost  
**2.7 M**  
 premises in Queensland

Source: nbn Co

Number of visits to **qld.gov.au** increased 18.5% to  
**74.5 M**  
 visits as at 30 June 2018



More than  
**550**  
 Queensland Government services can be accessed via **qld.gov.au**



# 2019 pipeline

## 1 PLANNING

<b>CONCEPT</b>	<b>STRATEGIC ASSESSMENT</b> <ul style="list-style-type: none"> <li>Harvest the benefits of new and emerging technology</li> </ul>	<b>PRELIMINARY EVALUATION</b> <ul style="list-style-type: none"> <li>Quantify the likely impacts of digital disruption</li> <li>Accelerate smart infrastructure deployment</li> <li>Improve digital networks in disasters</li> </ul>	<b>BUSINESS CASE</b> <ul style="list-style-type: none"> <li>Address areas where mobile coverage or NBN technology is insufficient</li> </ul>
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This infrastructure class is critical to future prosperity and productivity. The majority of infrastructure is not owned by the state government, but by telecommunications companies and other levels of government. As such, there are often fewer proposals in this infrastructure pipeline.

## 2 INVESTMENT DECISION

Strategic	Financial and economic	Deliverability	Social and environment
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## 3 DELIVERY

2019-20	<b>BUDGET: \$128 M</b>	<ul style="list-style-type: none"> <li>Consider ways to leverage state-owned fibre assets</li> <li>Public safety regional radio communications (BC)</li> </ul>
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Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.



Southport Queensland Ambulance Service Centre



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>South East Queensland</b>										
Implementation of online blue card application system	9.790		●			1.486	8.304			
Strategic Election Management Systems replacement project	7.459		●			5.613	1.846			
Office of State Revenue Transformation Program	17.739		●			17.178	0.561			
FibreCo	1.900		●				1.900			
<b>Statewide</b>										
Integrated Client Management System replacement program (Stage 1)	21.901		●				14.782	7.119		
TAFE Queensland – one network and WiFi upgrade	Ongoing		●				4.481			
Queensland Ambulance Service information systems development	Ongoing		●				4.025			
e-Health – information communication and technology	Ongoing		●				92.117			

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.

Funding for the Mobile Black Spot Program continues to be allocated by the Queensland Government, co-funded with the Australian Government, but does not appear in the SIP 1–4 year program or 2019–20 Budget Paper 3.

## Building our Regions – digital connectivity for remote and regional communities

Reliable internet access provides communities with basic services, such as access to medical specialists, enables local businesses and industry to benefit from increased efficiencies and market access, and ensures local councils and other community service providers can deliver services effectively for communities.

Project name	Executive summary	Total estimated cost (\$M)	Approved BoR (\$M)
Lockhart River Fibre Optic Project	Installation of a new optic fibre network to replace the above-ground radio wave system, which was unstable, susceptible to failure in severe weather and had sustained vermin damage.	0.570	0.477
Paroo Shire Digital Connectivity Project	Delivery of high-speed internet to Paroo Shire through the construction of telecommunications towers and other infrastructure.	1.651	1.000
Surat Digital Connectivity Project	Delivery of high-speed internet to Surat through the construction of telecommunications towers and other infrastructure.	0.933	0.275
Goondiwindi Digital Connectivity Project	Delivery of high-speed internet to the Goondiwindi region through the construction of telecommunications towers and other infrastructure.	0.600	0.300
Bulloo Region Digital Connectivity Project	Delivery of high-speed internet to the Bulloo region through the construction of telecommunications towers and other infrastructure.	0.779	0.250
Balonne Shire Digital Connectivity Project	Delivery of high-speed internet to the Balonne region through the construction of telecommunications towers and other infrastructure.	1.657	1.000
Murweh Shire Digital Connectivity Project	Delivery of high-speed internet to the Murweh region through the construction of telecommunications towers and other infrastructure.	1.460	0.937
Doomadgee to Burketown Optical Fibre Link Project	Installation of fibre optic cable to improve Burketown's mobile and internet access.	3.898	1.949
Blackall-Tambo Internet Project	Delivery of high-speed internet for the Blackall-Tambo region through point-to-point microwave connectivity.	1.177	0.500

## Mobile Black Spot Program in regional Queensland

Mobile phone coverage will be boosted in regional Queensland as part of round four of the Australian Government's Mobile Black Spot Program. There will be 26 new mobile phone base stations erected across the state, bringing the total number funded under the program to 170.

The Queensland Government is also investing \$2.28 million to co-fund the latest round of base stations, bringing the state's contribution since 2015 to almost \$20.81 million.

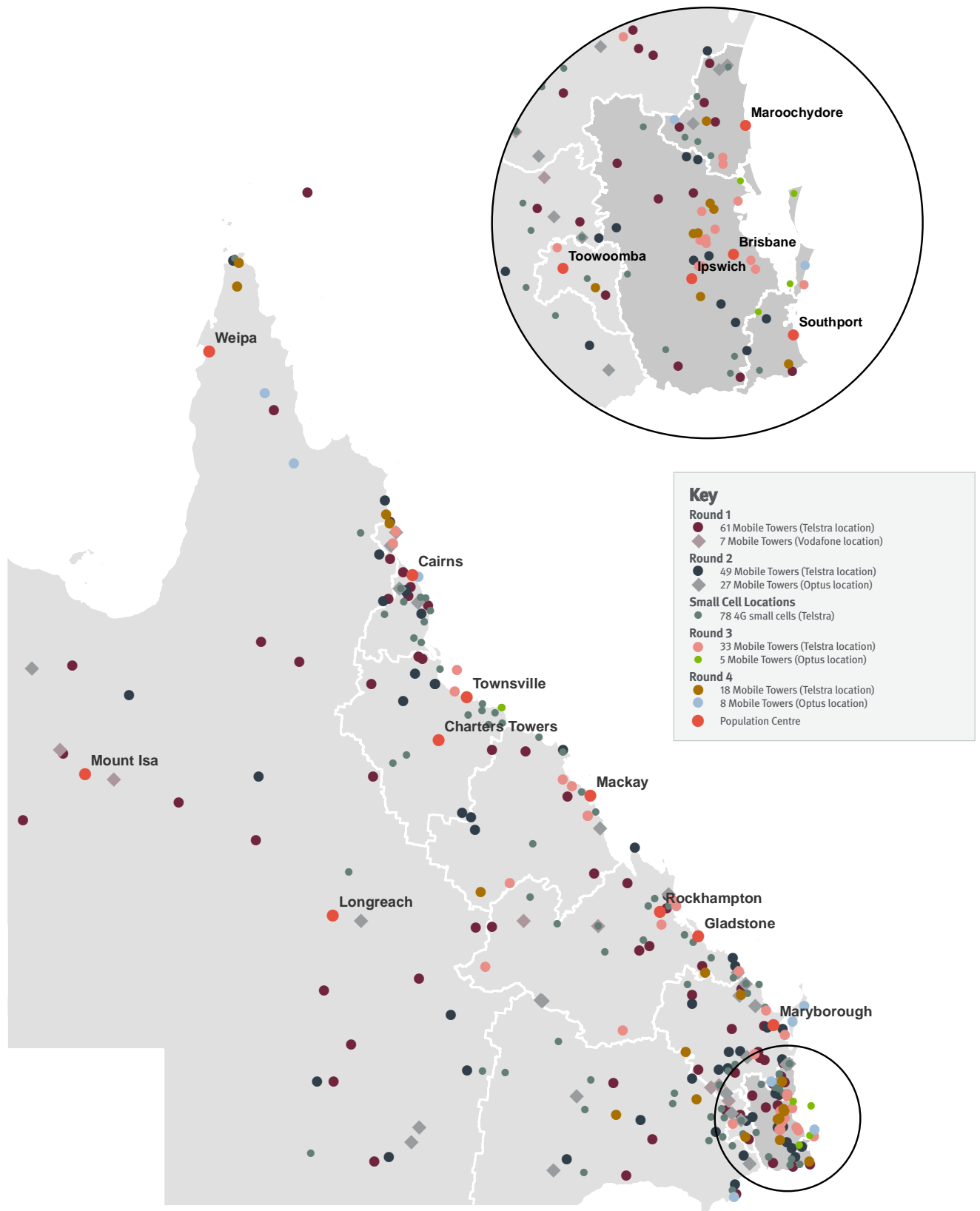
Its investment in round four was targeted to strike a balance in addressing priority black spot areas across the state – from remote communities to schools and camping grounds in regional areas – and supporting high-growth urban fringe areas where communications infrastructure has not kept pace.

Of the 26 new base stations, 18 will be delivered by Telstra and eight by Optus. Twelve will be macro towers, while the remaining 14 will be 4G small cells. The new infrastructure is expected to come online by the second half of 2020.



*Mobile Black Spot Tower on Darnley Island*

## Mobile Black Spot Program locations



## Sunshine Coast international broadband submarine cable

Construction is underway on a \$6.6 million submarine cable landing station. When complete, it will be the major land-based facility for the \$35 million Sunshine Coast International Broadband Submarine Cable project.

The Maroochydore landing station will help deliver Australia's fastest data and telecommunications connection to Asia from the east coast, and the second fastest to the United States via an undersea fibre optic cable.

It will be the first cable landing on the east coast outside of Sydney. It will provide direct links to Japan and other major international telecommunication hubs, increasing the speed and capacity of Queensland's international connections.

The Queensland Government is contributing \$15 million to the project from its Jobs and Regional Growth Fund, while Sunshine Coast Council is providing \$20 million.

An independent assessment commissioned by the council found it could generate up to 864 jobs for the region and add \$927 million to the Queensland economy. Other expected benefits include:

- ▶ the potential for cheaper internet connections for Queenslanders as international data transmissions will no longer have to travel via Sydney
- ▶ diversity of Australia's telecommunications hubs, as most of the country's internet connectivity and commercial data centre capacity is routed through Sydney, posing a significant security risk.



Mobile Black Spot Tower on Darnley Island



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program .

### Opportunity 1

Engage with the Australian Government and telecommunications providers to improve digital inclusion in rural and remote parts of Queensland, including optimum coverage of the NBN.

**Status update:** The Queensland Government has responded to the Australian Government's Joint Standing Committee on the National Broadband Network's Inquiry into the rollout of the NBN in rural and regional areas. The Queensland Government submitted the following key recommendations:

- ▶ request greater input into and visibility of the NBN rollout where the delivery of Queensland Government services is potentially impacted, particularly where critical public safety services are concerned
- ▶ encourage nbn Co to revert from the deployment of fibre-to-the-node (FttN) technologies to fixed line connections via fibre-to-the-premises (FttP) or fibre-to-the-distribution point (FttDP) technologies
- ▶ encourage nbn Co to use Sky Muster satellite services as a last resort for remote sites and consider opportunities to improve the level of service currently being delivered
- ▶ encourage nbn Co to consider network charge reductions to reduce congestion and make connections to higher-speed plans more affordable.

### Opportunity 2

Identify opportunities to address areas where mobile coverage or NBN technology is insufficient to meet community needs, particularly in public buildings such as schools, health facilities and libraries.

**Status update:** The Queensland Government is investing \$2.28 million to co-fund 26 base stations as part of round four of the Australian Government's Mobile Black Spot Program. This brings Queensland's total contribution since the first round in 2015 to almost \$20.81 million for 170 base stations. The latest investment targets priority black spot areas, such as remote communities, schools, camping grounds and high-growth urban fringe communities.

### Opportunity 3

Consider ways to leverage state-owned fibre assets for broader community and economic benefit.

**Status update:** The Queensland Government owns a network of digital infrastructure assets throughout the state, including 6000 kilometres of optical fibre cable. The government has established FibreCo Qld to make this capacity available to the wholesale market, to improve competition in internet backhaul.

### Opportunity 4

Quantify the likely impacts of digital disruption on future demand for government infrastructure and services in collaboration with academia.

**Status update:** The Queensland Government is working with the University of Southern Queensland to identify the benefits of digital infrastructure and services through a longitudinal study of communities in Central West Queensland.

### Opportunity 5

Identify opportunities to increase teleworking in the public and private sectors as a means of reducing congestion on transport networks in cities.

**Status update:** This opportunity is addressed through future opportunity 9.

### Opportunity 6

Develop more responsive and effective emergency services through improved technology, coverage, security and interoperability for public safety communications.

**Status update:** Queensland is participating in a Council of Australian Governments project to progress the development of a national public safety mobile broadband capability that adds additional features beyond current commercial services.

## Future opportunities – continued

### Opportunity 7

Accelerate smart infrastructure deployment with sensor and wi-fi networks to improve efficiency, safety and liveability, with real-time information to enable better management and use of infrastructure.

**Status update:** The Queensland Government is encouraging the adoption of smart technologies in industry applications by supporting several pilot projects in collaboration with local government, industry and research organisations. For example, on the Darling Downs a pilot project is demonstrating the benefits of the IoT to the agricultural and natural resource management sectors.

### Opportunity 8

Improve infrastructure planning and management by using big data, open data, data analytics and machine learning.

**Status update:** This opportunity will be progressed through the *Digital Infrastructure Plan*.

### Opportunity 9

Identify opportunities and harvest the benefits of new and emerging technology digital disruptions that may reduce the demand for future infrastructure, such as autonomous vehicles, solar battery storage and telehealth.

**Status update:** This opportunity will be progressed through the *Digital Infrastructure Plan*.

### Opportunity 10

Leverage the Queensland Government's digital purchasing power to improve digital outcomes for the state.

**Status update:** The government is undertaking an initiative to analyse and consolidate government telecommunications expenditure in each region to harness its buying power and stimulate competition between providers.

### Opportunity 11

Identify opportunities to leverage existing and proposed connectivity into schools for broader community and government benefit.

**Status update:** The Department of Education's Broadband Upgrade Project is delivering 'city standard' internet connections to students across the state, increasing the number of optical fibre-connected schools from 542 to almost 1000.

### Opportunity 12

Integrate digital networks and sensors into all new infrastructure projects as standard.

**Status update:** The Queensland Government is raising awareness across government agencies and local governments of the need to consider digital infrastructure requirements at the project planning stage.

### Opportunity 13

Develop a plan to retrofit brownfield infrastructure with digital networks and sensors, focusing on key pieces of infrastructure.

**Status update:** This opportunity will be progressed through the *Digital Infrastructure Plan*.

### Opportunity 14

Improve the reliability, availability, and maintainability of Queensland's digital networks in the face of disasters and other extreme events.

**Status update:** A key commitment outlined in *Resilient Queensland 2018–21 – Delivering the Queensland Strategy for Disaster Resilience* is to establish a critical infrastructure working group to foster closer relationships between government and infrastructure providers (including those in the digital network and telecommunications spaces) with a view to reviewing principles, practices and solutions relating to critical infrastructure resilience and recovery from disasters.



# Justice and public safety



*Front-line officers utilising QLITE device*



# Justice and public safety

**The safety and wellbeing of all Queenslanders continues to be a key priority for the government. Infrastructure supports fair and timely justice services, secure correctional facilities, and essential police, fire, emergency and disaster management services.**

A growing population and the increased frequency and severity of natural disasters influences demand for fire and emergency services to both protect and aid in the recovery of communities. Crime, anti-social behaviour and increasing rates of social issues escalate the pressure on infrastructure, such as police facilities, courts, prisons and youth detention centres.

The growing and shifting demands on police service delivery, rapid technological innovation and changing public preferences are some of the factors the Queensland Police Service considers in planning for future service needs. Policing responses will also be impacted by the expected increase in tourism numbers, major events and mobility resulting from major infrastructure projects.

The number of prisoners in correctional centres continues to increase, driving the need for demand management strategies and additional infrastructure. This growth is exacerbated by a challenging prisoner profile, including complex mental health and substance misuse needs, and disabilities that require special purpose accommodation.

There has also been significant increases in the offender population under supervision through community corrections. Under the Queensland Parole System Review reforms, additional frontline staff will continue to be recruited over the next three years, driving the need for community-based accommodation.

The changing profile of young people in youth detention facilities highlights the need to provide appropriate infrastructure, while also providing programs and services to address complex needs. The government has committed \$178 million for youth justice infrastructure, including to construct a new 32-bed youth detention centre at Wacol and add 16 more beds to the Brisbane Youth Detention Centre. This forms part of the \$332.5 million over five years investment to support the *Working Together Changing the Story: Youth Justice Strategy 2019–2023*, which focuses on implementing reforms that prevent offending, reoffending and keeping young people out of courts and custody.

User expectations of courthouses and how services are delivered changed significantly in the past 20 years. An increase in demand and population growth means it is critical courthouses are managed and maintained responsibly and sustainably to meet future obligations.

A comprehensive, evidence-based model has been commissioned to support and facilitate investment to deliver sustainable, safe and fit-for-purpose courthouses.

## Key initiatives

### Queensland Police Service

- ▶ \$13.8 million committed to refurbishing the old Caboolture police facility.
- ▶ Construction to commence on the Arundel police facility at an estimated cost of \$11.5 million.
- ▶ \$13.1 million federally-funded Saibai Island community safety and security facility.
- ▶ Continue construction of the \$52.2 million counter-terrorism and community safety training centre at Wacol in Brisbane.

### Youth Justice

- ▶ \$178 million over three years on additional youth justice infrastructure including:
  - Construction of a new 32-bed youth detention centre at Wacol at an approximate total cost of \$150 million
  - \$27 million to build 16 additional beds at Brisbane Youth Detention Centre.
- ▶ \$2.1 million committed for a secure marshalling fence at the Cleveland Youth Detention Centre.
- ▶ Zonal fencing built at Brisbane and Cleveland Youth Detention Centres.

### Corrective Services

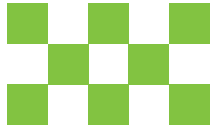
- ▶ Continuing the \$241 million expansion of the Capricornia Correctional Centre, delivering an additional 348 cells and other facilities by 2020.
- ▶ \$2 million approved in 2019–20 to scope procurement plan for the construction of the Southern Queensland Correctional Precinct at Gatton (Stage 2), including a minimum of 1004 cells.
- ▶ New fitouts to accommodate growth at the Inala and Toowoomba community corrections offices.

### Queensland Fire and Emergency Services

- ▶ \$3.4 million to upgrade Mount Isa's Queensland Fire and Emergency Services complex.
- ▶ \$3 million for a new permanent fire and rescue station at Pimpama.
- ▶ \$1.5 million for the Yarraman replacement auxiliary fire and rescue station.



# Justice and public safety



## Queensland Police Service

**335**

police stations

**42**

police beat shopfronts

**2**

police hubs

**58**

police watchhouses

**46**

neighbourhood police beats



## Corrective Services

**36**

probation and parole district offices

**11**

high security correctional centres

**6**

low security correctional centres

**13**

work camps



## Queensland Fire and Emergency Services

**242**

fire stations

**481**

rural fire stations



## QLiTE devices

**6800**

total devices in 2019–20



## Courthouses

**4**

community justice centres

**84**

courthouses

## Detention centres



**2**

youth detention centres



Between June 2015 and January 2019:



**22% INCREASE**

male prisoners (6588 to 8094 prisoners)



**133%**

built cell capacity for male prisoners



**22% GROWTH**

offender population (17,130 to 20,899 prisoners)



**25% INCREASE**

female prisoners (704 to 881 prisoners)



**<100%**

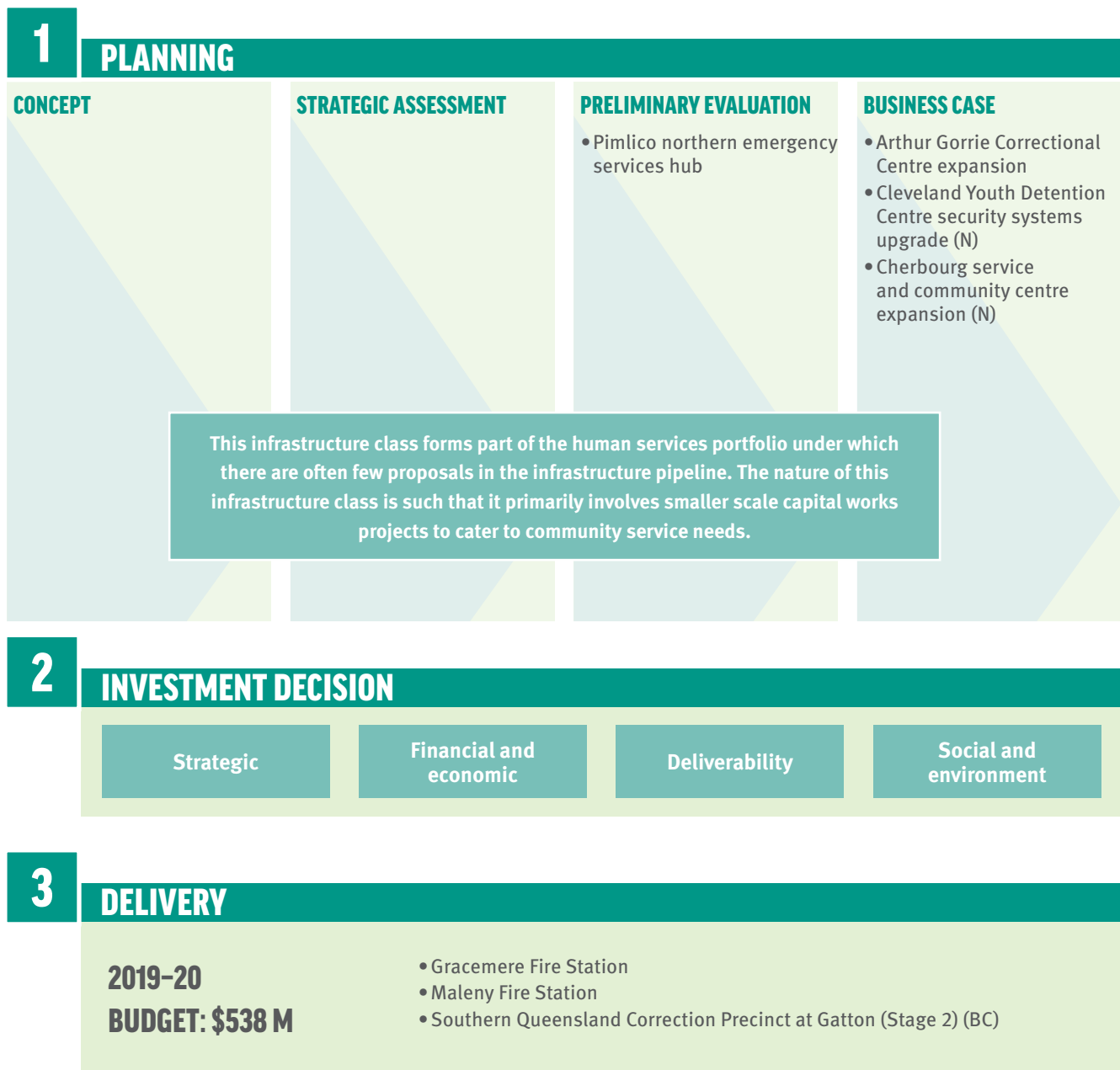
built cell capacity for female prisoners

Cells to be delivered by 2020–2021:

**348**



## 2019 pipeline



Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.

### Southern Queensland Correctional Centre becomes women’s prison

A decision was made to repurpose the Southern Queensland Correctional Centre into a women’s facility in July 2018, in response to overcrowding in the state’s two other high-security prisons. The Brisbane Women’s Correctional Centre had reached 200 per cent capacity while the average across the state was 152 per cent.

The centre was converted into a female-only facility following the increase in capacity for male prisoners at the Borallon Training and Correctional Centre. Following the transfer of 286 male prisoners to other centres, primarily Borallon, minor works were completed and the first female prisoners were transferred in August 2018.

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Capricornia Correctional Centre expansion	241.000		●			103.703	88.000	49.297		
Legal Aid Queensland infrastructure upgrades	0.546		●				0.546			
Rockhampton Courthouse upgrade	12.000		●			8.900	3.100			
Townsville Courthouse upgrade	9.000		●			5.530	3.470			
<b>Queensland Fire and Emergency Services</b>										
Cairns Communications Centre upgrade	3.000		●				1.000	2.000		
Charlton replacement regional QFES headquarters and new permanent fire and rescue station	16.967		●			0.500	11.067	5.400		
Charters Towers replacement composite fire and rescue station	3.000		●				0.900	2.100		
El Arish replacement auxiliary fire and rescue station	1.800		●			0.100	1.700			
Gracemere replacement auxiliary fire and rescue station	2.200		●				0.200	2.000		
Kilkivan replacement QFES complex	1.800		●			0.200	1.600			
Longreach auxiliary fire and rescue station replacement	3.100		●				0.100	3.000		
Mossman auxiliary fire and rescue station relocation and upgrade	2.000		●				0.050	1.150	0.800	
Mount Isa QFES complex upgrade	3.400		●			0.400	2.500	0.500		
Rainbow Beach replacement auxiliary fire and rescue station	2.000		●				0.200	1.800		
Weipa emergency and disaster centre	1.200		●			0.400	0.800			
Yarraman replacement auxiliary fire and rescue station	1.500		●			0.150	1.350			
<b>Police</b>										
Aurukun police facility upgrade	6.700		●			0.211	0.640	5.849		
Biloela replacement police facility	2.100		●				0.200	1.900		
Highfields new police facility	2.769		●			0.194	2.060	0.515		
New Newtown police facility	0.900		●			0.200	0.700			
Pompuraaw replacement police facility	8.200		●			0.243	4.894	3.063		



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Saibai Island new community safety and security facility	13.066	●				1.013	12.053			
<b>South East Queensland</b>										
Beenleigh Courthouse upgrade	11.000		●			4.000	7.000			
Brisbane Correctional Centre laundry	3.000		●				0.500	2.500		
Brisbane Youth Detention Centre – 16 additional beds	27.008		●			0.150	23.858	3.000		
Brisbane Youth Detention Centre – security management system upgrade	33.609		●			25.119	8.490			
Crime and Corruption Commission infrastructure upgrades	3.484		●				3.484			
Legal Aid Queensland infrastructure upgrades	1.369		●			0.190	1.179			
New youth detention centre – 32-bed construction project	10.000		●			0.300	9.700			
Ongoing programs Department of Justice and Attorney-General	Ongoing		●				4.980			
Princess Alexander Hospital secure unit	3.000		●				2.000	1.000		
Public Trustee building improvements	Ongoing				●		3.603			
Public Trustee infrastructure upgrades	Ongoing				●		14.044			
Taskforce Flaxton	2.200		●				2.200			
Woodford Correctional Centre – intercoms	13.600		●				5.000	8.600		
<b>Queensland Fire and Emergency Services</b>										
Bracken Ridge replacement permanent fire and rescue station	6.766		●			1.753	5.013			
Esk replacement auxiliary fire and rescue station	1.800		●			0.100	1.700			
Loganlea replacement permanent fire and rescue station	3.500		●				0.250	1.000	2.250	
Maleny replacement QFES complex	2.500		●			0.050	0.500	1.950		
Pimpama new permanent fire and rescue station	3.000		●			0.200	2.000	0.800		
Pinkenba replacement QFES mechanical workshop	9.000		●				1.500	7.500		
Rathdowney replacement QFES facility	2.101		●			0.364	1.737			



# Justice and public safety

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Rosewood fire and rescue auxiliary station replacement	2.000		●			0.050	1.950			
West Logan permanent fire and rescue station upgrade	0.650		●		0.250	0.400				
Yarrabilba new permanent fire and rescue station	3.900		●			0.300	1.600	2.000		
<b>Police</b>										
Arundel new facility	11.500		●		0.736	10.764				
Beaudesert replacement police facility	7.095		●		0.495	0.800	5.800			
Coolum replacement police facility	2.700		●		0.182	1.611	0.907			
Logan Village – Yarrabilba police facility upgrade	0.550		●		0.250	0.300				
Nambour replacement police facility	9.040		●		0.412	0.100	8.528			
Caboolture replacement police facility and district headquarters	17.296		●		17.152	0.144				
Caboolture refurbishment of old police facility	13.795		●		0.456	1.292	9.451	2.596		
Wacol Counter-Terrorism and Community Training Centre	52.219		●		8.549	28.000	15.670			
Wacol warehouse facility	20.000		●		14.260	5.740				
West End police facility upgrade	4.300		●		0.158	0.510	3.632			
<b>Statewide</b>										
Expansion and upgrade of justice system's existing audio visual capacity	Ongoing		●			8.917				
Leasehold improvements	0.105		●			0.105				
Legal Aid Queensland infrastructure upgrades	0.410		●		0.035	0.375				
Legal Aid Queensland building management system	0.145		●			0.145				
Multifunctional device replacements	0.550		●			0.550				
Department of Justice and Attorney-General ongoing programs	Ongoing		●			0.931				
Ongoing programs (PSBA)	Ongoing		●			7.391				
Queensland Corrective Services ongoing programs	Ongoing		●			20.889				
Other departmental plant and equipment	Ongoing		●			0.850				
Perimeter security upgrades (Stage 2)	76.579		●		70.579	6.000				



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Prison infrastructure	16.936		●			12.816	2.120	2.000		
Statewide courthouse infrastructure upgrades	Ongoing		●				11.637			
Statewide Public Trustee infrastructure upgrades	Ongoing				●		4.461			
Transition of 17 year olds to the youth justice system	25.986		●			19.860	6.126			
Vehicle replacements	0.700		●				0.700			
Youth justice facilities	Ongoing		●				3.740			
<b>Queensland Fire and Emergency Services</b>										
Other property, plant and equipment	Ongoing		●				63.294			
SES on-boarding to the Government Wireless Network	0.500		●			0.250	0.250			
Statewide minor works	Ongoing		●				5.590			
<b>Queensland Police Service</b>										
Mobile capability	Ongoing		●				4.720			
Ongoing programs	Ongoing		●				94.469			
Electricity optimisation program	Ongoing		●				3.500			
Statewide minor works	Ongoing		●				5.800			

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding. Similar projects belonging to different agencies have been combined (e.g. ongoing programs).

### Borallon Training and Correctional Centre

Capacity at the Borallon Training and Correctional Centre has been increased to 736 prisoners following the addition of 244 cells capable of accommodating 488 people. The expansion marks the completion of the centre’s recommissioning after its reopening in 2016.

It provides prisoners with meaningful skills to increase their employment prospects and assists in preventing them from reoffending after their release.

The centre also provides a range of rehabilitation programs and education activities aimed at addressing the underlying causes of offending. The centre has developed partnerships with TAFE Queensland South West to offer vocational training through an on-site campus, teachers and IT facilities. Programs include mental health services, psychological interventions and support to assist with transition into the community.

## Brisbane City police facility

The construction of a new entertainment precinct on the north bank of the Brisbane River is expected to result in increased visitors to the CBD from 2022. The new Brisbane City police facility at 16 Mary Street is well positioned to provide services to what will be the state's busiest location.

The Queensland Police Service had to find enough space to accommodate a working police facility and other functions, all within the confines of an inner-city address. The City Central Patrol Group worked with the chosen architect to incorporate innovative features and cutting-edge technology into the design.

One of the most significant elements is the equipment vault. Handguns, rifles, tasers, OC spray, radios and body-worn cameras are stored in a secure

room rather than separate safes. Radio-frequency identification scanners automatically record when equipment leaves and re-enters the vault, improving security. This technology saves police officers time and improves asset accountability.

Work and meeting spaces facilitate flexibility and situational awareness for staff. Vision from various mediums, including CCTV and other business systems, can be pushed to any monitor or TV within the building.

The innovations implemented at the Brisbane City police facility showcase what can be built at future facilities across the state, regardless of location.



Brisbane City police facility

## QLiTE

The Queensland Police Service continues to provide enhanced functionality for the QLiTE suite of applications utilised by officers on iPads.

QTasks has revolutionised the way first-response officers handle calls for service and tasking. The program integrates with the Queensland Police

Service's other systems, enabling officers to create, update and finalise jobs while out in the field.

This functionality has saved frontline police time, reduced service demands on communication centres and improved the Queensland Police Service's ability to be responsive and keep communities safe.



Queensland police officers on the ground with their QLiTE devices



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Review and reshape the service delivery model at some regional and remote courthouses, including by providing improved multi-agency service delivery under one roof.

**Status update:** The Department of Justice and Attorney-General and the Department of Transport and Main Roads implemented a multi-agency service delivery model to facilitate the provision of licensing services, including improvements to customer service counters.

### Opportunity 2

Continue to optimise court utilisation through technology.

**Status update:** In 2019–20, the audio and/or video systems in 34 courtrooms and nine videoconferencing suites in correctional centres will be upgraded. E-lodgement capability exists in a limited form and presents a significant opportunity to optimise court utilisation by enabling the use of electronic files.

### Opportunity 3

Identify and implement a strategy to manage peak prisoner numbers.

**Status update:** Queensland Corrective Services is continuing to provide advice on the strategies required to manage the growing prisoner population.

### Opportunity 4

Manage demand and improve efficiency by implementing integrated service delivery models to respond to increasing demand.

**Status update:** Queensland Corrective Services has implemented an adult reintegration program as part of the *Aurukun Four-Point Plan*, which is delivered in collaboration with the Department of Child Safety, Youth and Women's youth reintegration program.

The programs are specialised, location-based, re-entry support models that aim to minimise disruption to Aurukun when offenders return to the community and reduce the likelihood of their return to custody.

### Opportunity 5

Explore opportunities for co-location.

**Status update:** Representatives from the Queensland Police Service, Queensland Corrective Services, Queensland Health and the Department of Justice and Attorney-General are now co-located in the Brisbane Magistrates Court for the Queensland Drug and Alcohol Court. The Department of Justice and Attorney-General, where appropriate, is seeking further opportunities to co-locate with other justice agencies.

### Opportunity 6

Rationalise, share or repurpose the current footprint of more than 80 court registry sites.

**Status update:** The Department of Justice and Attorney-General collaborated with the Department of Transport and Main Roads to deliver a Regional Services Outlet strategy to expand registration and licensing services to 31 courthouses and Queensland Government Agent Program offices. The operational management for 26 Regional Services Outlets has been transferred to the Department of Transport and Main Roads. The Department of Justice and Attorney-General is currently exploring other avenues to maximise this opportunity.

### Opportunity 7

Support integrated service delivery through a range of communication channels, including new technology and alternate contact models.

**Status:** In response to the Queensland Parole System Review, Queensland Corrective Services will be establishing parole and assessment units and increasing the use of videoconferencing during the parole application process to support integrated service delivery.



# Arts, culture and recreation



*Artist's impression of the new performing arts venue, QPAC*



# Arts, culture and recreation

**Arts, culture and recreation play an important role in bringing Queenslanders together. Engaging with artistic, sporting and recreational activities builds a sense of community and enriches the character and culture of the state.**

Queensland's unique and innovative arts and cultural sector enhances the lives of Queenslanders, strengthens the local and visitor economy, and supports employment. Infrastructure plays an important role in providing opportunities for people to engage with arts and culture, drive cultural tourism and ensure the state can compete on a global level through an array of productions, performances and exhibitions.

Ongoing investment is critical to supporting a vibrant, accessible and sustainable sector. The Queensland Government continues to explore partnership opportunities between state agencies, federal and local governments to leverage and maximise the benefits of this investment. Stadiums, recreation and sport centres cater to different community needs, and offer opportunities for elite athletes and the public to achieve the highest standard in their chosen pursuit.

The *Queensland Sport and Active Recreation Strategy 2019–2029* will bring movement and physical activity to life in a way not seen before in the state. The strategy sets an ambitious new vision and direction for physical activity to enrich Queenslanders' way of life. Future investment in sport and active recreation infrastructure will align to this strategy. Quality places and spaces that improve liveability and activity will be delivered by following best-practice principles for social infrastructure. The government will work with Queenslanders and the sport and active recreation sector to deliver quality infrastructure that meets community needs and reduces the administrative burden on volunteers.

Queensland's parks and forests support nature-based and eco-tourism opportunities. Infrastructure and facilities, including the extensive track and trail network, make national parks, state forests and marine parks the biggest resources for Queenslanders and visitors to take part in these recreational activities. The infrastructure supporting these outstanding experiences must continue to be high-quality and resilient to severe weather events.

## Key initiatives

### Queensland Performing Arts Centre new theatre

- ▶ The government has committed \$125 million towards a new \$150 million theatre at the Queensland Performing Arts Centre (QPAC).
- ▶ It will make QPAC Australia's largest performing arts centre, with the potential to welcome an additional 300,000 visitors each year.

### Rockhampton Art Gallery

- ▶ The government is providing \$15 million to Rockhampton Regional Council to support the development and construction of a new Rockhampton Art Gallery.
- ▶ Construction of the \$31.5 million gallery is expected to commence in mid-2019.

### Queensland Sport and Active Recreation Strategy 2019–2029

- ▶ A new Sport and Active Recreation Infrastructure Partnerships Office will ensure infrastructure solutions are accessible and suitably located, existing facilities are better utilised through repurposing, sharing and integration, and cross-government and cross-sector partnerships are in place to deliver better community outcomes.

### Stadium Taskforce

- ▶ A 10 to 20-year rolling capital works plan has been developed to address recommendations of the Stadium Taskforce review of major sports facilities. The report recommended maintenance be prioritised to maximise the use of these facilities.

### Brisbane Racing Club

- ▶ Racing returned to Eagle Farm in December 2018 following a \$3.7 million remediation of the course. As Queensland's premier racing venue, the investment is expected to benefit thoroughbred racing across the state.

### Country racing infrastructure

- ▶ The government's \$70.4 million commitment over four years to non-TAB thoroughbred racing includes \$10.4 million for country infrastructure repairs, maintenance and asset replacement. The first \$3.9 million of funding for 86 projects at 55 clubs has been announced.

### Revitalising national parks

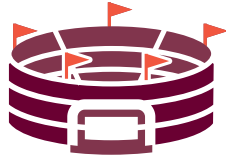
- ▶ The government will provide increased funding to the national parks capital works program to \$10 million in 2019–20 to upgrade infrastructure to provide enjoyment and protect Queensland's parks and forests.

# Arts, culture and recreation

## Stadiums Queensland

**3.7 M+**

people attend venues annually



**1450+**

event days

**\$2.2 B**

portfolio value

(from 1 July 2018 to 30 April 2019)

## Queensland recreation centres hosted more than

**239,407**

participants

**64,709**

camp attendees

**359,111**

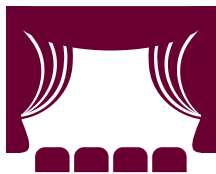
hours of instructor-led activity

**2164**

events

(from 1 July 2018 to 30 June 2019)

## Arts and Culture



**6.5 M+**

visitors to the Queensland Cultural Centre at South Brisbane in 2018–19



**14**

Indigenous art centres

## Queensland Parks and Wildlife Service manages



**1.33 M**

overnight camper stays hosted in national parks and forests per annum



**\$4.43 B**

approximate direct spend by tourists visiting national parks



**72,658 km<sup>2</sup>**

of state marine parks



**490**

bookable camping areas



**1045**

parks and forests across 13 million hectares



**235**

day use sites



**2,096 km**

walking tracks



**1.2 h**

fish habitats





### Rockhampton Art Gallery moves forward

The Queensland Government is supporting Rockhampton Regional Council's vision for a new \$31.5 million art gallery as part of a new cultural hub in Rockhampton. The Rockhampton Art Gallery has played a leading role in the city's cultural history for more than 50 years. The gallery's relocation to its new CBD site will ensure it remains a cornerstone in a changing and revitalised cityscape and riverfront.

The Queensland Government is contributing a total of \$15 million to the project. There was \$5 million from Building our Regions announced in May 2019, as well as \$10 million allocated through the state budget in 2017–2018 and 2018–2019.

The new gallery will feature two large flexible gallery spaces, three multi-purpose education spaces, increased collection storage areas, a restaurant and retail space. This will provide more exhibition and public programming space to deliver a comprehensive program of events.

The Rockhampton Art Gallery holds some of the finest examples of Australian art and is the only regional gallery in Australia to hold a representative collection of Australian modern and contemporary artists John Brack, Arthur Boyd, Russell Drysdale, Sidney Nolan, Jeffrey Smart and Margaret Olley.



*Artist's impression of the Rockhampton Art Gallery*



## 2019 pipeline



Note: The symbol after the proposal shows where it was located in the pipeline in the SIP Part B: Program – 2018 update. (N) represents a new proposal, (C) represents the concept stage, (SA) represents the strategic assessment stage, (PE) represents the preliminary evaluation stage and (BC) represents the business case stage.



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Australian Workers Heritage Centre	2.200		●			0.500	1.700			
Camilleri Street skate park and recreation facility	1.000		●			0.200	0.800			
Cape York recreation and visitor facilities management and access	Ongoing		●				1.386			
East Trinity infrastructure upgrade	2.750		●				0.640	1.540	0.570	
Great Keppel Island Rejuvenation Pilot	22.314		●			0.770	16.374	5.170		
Magnetic Island Fort Complex visitor access upgrade	2.350		●				2.350			
Marine parks major vessel replacements	9.910	●	●			5.865	3.075	0.970		
Mon Repos Turtle Centre redevelopment	21.110	●	●			13.593	7.517			
Mowbray north section of the Wanggetti Trail <sup>1</sup>	5.738		●			0.820	2.918	2.000		
Museum of Underwater Art	2.000		●			1.000	1.000			
New Rockhampton Art Gallery	8.000 <sup>2</sup>	●	●	●			4.000	4.000		
North Queensland Stadium	292.417	●	●			187.873	102.753	1.791		
Palm Island Splash Park	3.000		●				2.500	0.500		
Thursday Island Splash Park	3.000		●				2.500	0.500		
Whitsunday Islands National Park	12.481		●			5.790	6.691			
Whitsunday Sports Park	2.100		●			0.105	1.995			
Severe Tropical Cyclone Debbie Tourism Recovery Fund	4.020		●			0.654	3.366			
<b>South East Queensland</b>										
Acquisition of art works for the gallery	Ongoing		●		●		2.500			
Belmont Shooting Centre	18.645	●	●			17.662	0.983			
Boggo Road precinct redevelopment	42.067		●			39.191	2.876			
Brisbane Convention and Exhibition Centre	Ongoing		●				7.342			
QPAC critical infrastructure asset renewal and equipment replacement	3.300		●			0.120	3.180			
D'Aguilar National Park	3.000		●			0.832	2.168			
Equipment	Ongoing		●				0.010			

# Arts, culture and recreation

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Gabba refurbishment	35.000		●			35.000				
Glass House Mountains National Park	3.373		●		2.148	1.225				
Investment properties – other enhancements and replacements	Ongoing		●			1.905				
Moggill Koala Rehabilitation Centre upgrade	0.816		●			0.516	0.300			
Naree Budjong Djara National Park – North Stradbroke Island (Minjerrabah)	Ongoing		●			0.679				
New performing arts theatre	150.000		●		●	0.890	5.210	13.650	105.250 25.000	
Noosa National Park	2.490		●			2.087	0.403			
Ongoing replacement of plant and equipment	Ongoing		●			0.300				
Other games projects	168.641	●	●	●		168.078	0.563			
Property, plant and equipment	Ongoing				●		1.000			
Queensland Cultural Centre – critical infrastructure works program	23.575		●			23.177	0.398			
Queensland Cultural Centre – future energy efficiency	9.000		●			0.555	4.395	4.050		
Queensland Cultural Centre critical infrastructure asset renewal	15.370		●			0.850	9.050	5.470		
Queensland Maritime Museum	0.308		●			0.223	0.085			
Queensland Museum, critical maintenance and infrastructure works	9.652		●			6.655	2.997			
Restoration of heritage buildings	5.783		●			1.500	4.283			
Riverside open space	18.460		●			1.480	10.500	6.480		
Roma Street Parklands	Ongoing		●			5.081				
South Bank Parklands enhancement and replacement	Ongoing		●			9.830				
South Bank Parklands, car park upgrades and replacement	Ongoing		●			0.166				
Thomas Dixon Centre refurbishment (Queensland Ballet)	13.500		●			13.500				
Underwood Park	9.110		●			1.055	8.055			
University of Sunshine Coast Stadium	8.050		●			6.050	2.000			
Zillmere Sports Centre	5.500		●			0.400	5.100			



## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Statewide</b>										
Accelerating Science Delivery Innovation Strategy	4.805		●			0.405	3.450	0.950		
Advance Queensland: Connecting with Asia Strategy	3.800		●				3.800			
Arts Infrastructure Investment Fund	16.488		●			5.499	8.489	2.500		
Attracting Tourism Fund	14.416		●				14.416			
Community infrastructure solutions	50.000		●				15.000	15.000	20.000	
Community use of school facilities	15.000		●				4.000	4.000	7.000	
Country Racing Program	10.400		●			5.200	2.600	2.600		
Female facilities program	15.000		●			8.000	7.000			
General plant and equipment	Ongoing	●	●		●		6.838			
General systems development	Ongoing		●				4.953			
Get Playing Plus	39.724		●			34.724	5.000			
Get Playing Places and Spaces (Rounds 4–7)	28.410		●			17.690	7.165	2.300	1.255	
Great Barrier Reef Island Resort Rejuvenation Program	23.498		●				23.055	0.443		
Growing Tourism Infrastructure Fund	31.581		●			0.100	19.916	11.565		
Information technology	Ongoing		●				0.608			
Statewide national park Infrastructure upgrades	Ongoing	●	●		●		14.032			
Ongoing programs	Ongoing		●				0.334			
Outback Tourism Infrastructure Fund	9.300		●			1.150	3.414	4.736		
Parks and forests fire management	6.800		●				1.700	3.600	1.500	
Protected area land acquisitions	2.304		●				2.304			
Queensland active precincts	40.000		●				16.000	20.000	4.000	
Queensland recreation centres, Sports grounds and sport houses capital works	Ongoing		●				5.313			
Racing Infrastructure Fund	128.217		●			25.693	12.358	32.098	40.653	17.415
Revitalising national parks (Stage 2)	Ongoing		●				10.000			
Safe, secure sporting and entertainment facilities	8.300		●			4.800	3.500			
Sport and recreation grant funding boost	7.282		●			2.832	4.450			



# Arts, culture and recreation

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
Sport and recreation – various capital grants	Ongoing		●			8.250				
Stadiums Queensland – capital works	Ongoing		●			17.847				

<sup>1</sup>Additional funding of \$4.52 million in 2020-21 and \$25.928 million in 2021-22 is committed to complete the 94 kilometre Wangetti Trail.

<sup>2</sup>The total project construction cost is \$31.5 million, with a total Queensland Government contribution of \$15 million. See page 190 for additional information.

*Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.*

*Similar projects belonging to different agencies have been combined (e.g. ongoing programs).*



Carrara Stadium



## Centre of Contemporary Arts (CoCA) Cairns

The Queensland Government is undertaking a refurbishment of the Centre of Contemporary Arts (CoCA) Cairns in recognition of the vital role arts infrastructure plays in the cultural vibrancy of the state.

A vibrant digital facade showcasing work by Aboriginal and Torres Strait Islander artists in Far North Queensland will be the centrepiece of the refurbished CoCA with the building design developed in consultation with the local arts community and Traditional Owners.

A revitalised CoCA will strengthen the local arts sector and help expand cultural tourism in Far North Queensland, opening up new performance and creative opportunities to Aboriginal and Torres Strait Islander artists and providing rich cultural experiences to new audiences.

The upgrade will provide more rehearsal, development and office space, along with improved theatre facilities.

The design features an extended all-weather awning connecting the footpath and foyer along the front of the building, an arrivals and gathering space with yarnning circle, a street front retail outlet for local artists, and a redesigned cafe with outdoor dining.

The upgraded CoCA will have an iconic street presence and will contribute to the tourism economy of the region as a place where local artists tell the unique stories of the First Nations of Far North Queensland.



*Artist's impression of the new Centre of Contemporary Arts Cairns*

## Queensland State Netball Centre

The \$44 million Queensland State Netball Centre (QSN) is a good example of cross-governmental work to deliver key community sporting and civic infrastructure. Located at the Queensland Sport and Athletics Centre (QSAC), the netball centre comprises eight indoor courts, including a 5000 seat capacity show court, and is the home of the Queensland Firebirds and netball in Queensland.

The facility, opened in February 2019, is operated by Netball Queensland and hosts the state's high-performance netball programs as well as being available for use across a number of indoor sports and community activities.

The project was supported by all levels of government. In addition to the Queensland Government's \$34 million capital contribution, Netball Queensland helped secure \$10 million in funding from the Federal Government, and Brisbane City Council gifted land to Stadiums Queensland.

At the same time as the QSN was constructed, the Queensland Government provided \$7.3 million for a new multi-storey car park facility to be built immediately adjacent to the centre. The car park is the first multi-storey park 'n' ride built in Queensland to service major bus routes and is available for use for major events at QSAC, including Queensland Firebirds games at the netball centre. As a result of this commitment and the timing of the netball centre project, construction and financial efficiencies were achieved delivering the park 'n' ride facility.

The QSAC and the park 'n' ride facility is owned and operated by Stadiums Queensland and when combined with the new netball centre, shows how the Queensland Government is able to deliver community sport infrastructure while achieving multi-purpose applications to support the community on a daily basis.



Queensland State Netball Centre





### Building Australia's largest performing arts centre

The Queensland Government is investing \$125 million to deliver a new \$150 million theatre at the QPAC. This theatre will enable collaboration, while also nurturing and celebrating the the next generation of great stories, talent and arts companies.

As the largest investment in arts infrastructure since the Gallery of Modern Art, the theatre will grow cultural tourism, create new opportunities to support the state's future growth of performing arts in Queensland and meet audience and producer demand.

The minimum 1500 seat state-of-the-art theatre will be built on the Playhouse Green site at QPAC and will be QPAC's fifth theatre.

Brisbane Architects Blight Rayner in partnership with globally renowned Snøhetta are the design team for the theatre and have drawn inspiration for the design from the spirit of the Brisbane River as a place for telling stories.

This world class design respects the cultural heritage of the site and the vision of original architect the late Robin Gibson AO, while providing a unique identity all of its own. Features include a stunning glass façade, two new studios, transparent foyer spaces and a single balcony auditorium, delivering enhanced audience sight lines.

Over its two year construction period, the project is expected to support more than 100 jobs with completion targeted for late 2022.

When operational, the new theatre has the potential to welcome an estimated 300,000 attendees per year, host an estimated 260 additional performances per year and create more than 40 new full time jobs at QPAC.



Artist's impression of the new performing arts theatre, QPAC



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Develop a priority order for the investment in cultural facilities.

**Status update:** Arts Queensland has continued to use its Infrastructure Investment Prioritisation Framework to identify and prioritise projects based on agreed assessment criteria.

The Arts Infrastructure Investment Fund has committed to supporting several prioritised projects, including the Centre of Contemporary Arts Cairns, Judith Wright Centre of Contemporary Arts, Bille Brown Theatre, Queensland Theatre Company, Queensland Museum, Queensland Art Gallery, Gallery of Modern Art, State Library of Queensland and QPAC.

### Opportunity 2

Implement on-site and off-site storage strategies.

**Status update:** Arts Queensland has completed the expansion of the Queensland Art Gallery by adding a mezzanine floor to the collection storage area and creating short-term storage solutions for the Queensland Museum.

Medium to long-term storage solutions are being scoped in partnership with the collecting institutions at the Queensland Cultural Centre.

### Opportunity 3

Identify and progressively implement a program of multi-use sports infrastructure.

**Status update:** Several Queensland Government-funded multi-use sports infrastructure facilities were completed in 2018–19, including the Walker Road Sporting and Recreation Precinct in Cairns, Coplick Family Sports Park on the Gold Coast and stage two of the Highfields Sport and Recreation Park in Toowoomba.

The University of the Sunshine Coast Stadium opened in May 2019. This is now the home of the Sunshine Coast Lightning netball team and also accommodates a variety of community and university sports. The redevelopment of the Underwood Park multi-sport precinct is also underway.

The Townsville Sport and Recreation Precinct, Toowoomba Sports Ground and recreation centres at Tallebudgera and Sunshine Coast have continued to host a variety of multi-sport activities, including visitors from interstate and overseas.

Stadium Queensland's community venues at the Sleeman Sports Complex and the QSAC are key to the state's provision of multi-use sports infrastructure, with almost one million people utilising these venues every year.



## Future opportunities – continued

### Opportunity 4

Explore opportunities to better use assets through better coordination and management, and to support tourism.

**Status update:** Four community use of school projects have been initiated through a partnership between the Department of Housing and Public Works and Department of Education. They will be fully delivered in the 2019–20 financial year and will enable the increased use of school sites by community and sport and recreation groups.

The use of state-owned sporting facilities has helped drive tourism. For example, the Townsville Sports Reserve has hosted the Queensland Murri Carnival, Little Athletics Queensland state championships and the Australian Ultimate Championships for flying disc. Stadiums Queensland also hosts national and international events that attract visitors to Queensland, including regional, state and national sporting championships such as swimming, BMX, athletics, gymnastics and track cycling.

### Opportunity 5

Investigate opportunities for infrastructure investment and better management practices of park facilities to support nature-based tourism.

**Status update:** There has been \$35 million invested into the revitalising national parks program to rejuvenate key visitor and tourism destinations, and other critical infrastructure in Queensland's most popular national parks. Places such as the Daintree, the Gondwana World Heritage Area (which includes Lamington and Springbrook), Noosa and the Glasshouse Mountains. Capital works include upgrades of day-use areas, infrastructure, boardwalks, lookouts, camping areas, walking tracks and visitor facilities. The program also supported the recovery of national parks affected by Tropical Cyclone Debbie, with priority funding for parks in the Whitsunday Islands, which are recognised as some of the world's leading tropical island and marine leisure holiday destinations. Additional funding of \$10 million will be invested in 2019–20 to continue this program of work.

### Opportunity 6

Strategic planning for new or expanded arts and cultural infrastructure.

**Status update:** Strategic planning by Arts Queensland has resulted in recent infrastructure investments including the Thomas Dixon Centre and the Rockhampton Art Gallery, future provision of a new performing arts venue at QPAC venue and the financing of minor facility upgrades through the Arts Infrastructure Fund. The forward focus for Arts Queensland will be to deliver specific cultural projects in collaboration with other agencies.

Stadiums Queensland will continue to work closely with the Queensland Government and stakeholders to identify enhancements and initiatives across its portfolio so that major events, community participation and high-performance athlete development can continue to be delivered. This collaborative approach has helped fund and construct North Queensland Stadium, QSNL, generated significant investment in the Gabba, and increased investment in community and high-performance development facilities at the Sleeman Sports Complex and QSAC.

# Social housing



*New social housing in Loganlea*





# Social housing

**The Queensland Housing Strategy 2017–2027 is transforming social housing in communities across the state, by providing access to safe, secure and affordable homes that meet the needs of Queenslanders.**

The strategy is driving key reforms and targeted investment across the housing continuum to deliver an accelerated program of new construction, precinct development and more responsive and flexible housing services.

The strategy is underpinned by a \$1.6 billion Housing Construction Jobs Program, which will deliver 4522 social housing and 1034 affordable housing homes over 10 years to address the state's long-term housing needs.

Active partnerships with local government, the community and the private sector will support the delivery of well-designed housing supported by critical infrastructure, to meet the needs of communities today and into the future.

The commitment to construct 50 per cent of new public housing dwellings according to the *Livable Housing Design Guidelines*' gold or platinum-level standards will increase the supply of accessible and adaptable housing across the state.

This renewed approach to the design and delivery of social housing will more closely align housing supply to the individual needs of Queenslanders requiring assistance and enable tenants to age in place.

Social housing is a critical and enduring component of state social infrastructure. The actions taken to implement the strategy are leading to outcomes and improvements for people and places across the state.

## Key initiatives

### Delivering real outcomes for Queensland communities through:

- ▶ Contracting to deliver 786 new units of accommodation in 2017–18.
- ▶ Exceeding the target for 50 per cent of newly constructed dwellings to be designed and delivered to *Livable Housing Design Guidelines* Gold Level or Platinum Level (82 per cent of dwellings in 2017–18).
- ▶ Completing a Domestic Family Violence Shelter in Cherbourg.
- ▶ An additional \$40 million commitment to continue capital construction in remote Aboriginal and Torres Strait Islander communities.
- ▶ Open Doors to Renting Reform consultation to improve renting in Queensland, with more than 135,000 responses received from the Queensland community.
- ▶ Enter into a strategic five-year partnership with Brisbane Housing Company to deliver 682 new affordable homes for Queenslanders under the Partnering for Growth initiative.



Fred Graham Place in Mackay





**\$15.8 B**

total estimated value of the housing portfolio (state-owned land and building assets)



**\$1.8 B**

Queensland Housing Strategy 2017–2027



**\$1.6 B**

Housing Construction Jobs Program



**620**

estimated new dwellings delivered in 2018–19



**4472**

new households assisted into government owned and managed social housing in 2018



**\$463 M**

invested by the Queensland Government in maintaining and upgrading social housing in 2018–19



**\$217 M**

invested by the Queensland Government in new social housing in 2018–19

There are **72,904** social housing dwellings in Queensland

Government-owned and managed dwellings 54,113

Community housing dwellings 13,630

Aboriginal and Torres Strait Islander community housing dwellings 5161





# Social housing

## Partnering for Growth initiative

The Partnering for Growth initiative builds on the *Queensland Housing Strategy 2017–2027* objective to deliver more than 5000 new social and affordable homes in 10 years.

The Department of Housing and Public Works will partner with the community housing sector to deliver more houses. They will be funded and delivered through better use of existing program funds and by facilitating project financing. The Queensland Government's \$28 million contribution over five years will enable Brisbane Housing Company to deliver \$222 million in new homes across a range of management types. These include affordable housing, build to rent, shared equity home ownership, housing for people with a disability and retirement accommodation.

Partnering for Growth will provide a single community housing program that delivers a person-centred and place-based response. The Queensland Government will provide modernised funding agreements, clear investment strategies and strong operating frameworks for the community and affordable housing sector.

Partnering for Growth will be developed and implemented in partnership with the community housing sector. It complements work with specialist homelessness services through the Partnering for Impact program to reduce homelessness across the state.

## Density and Diversity Done Well demonstration projects

The Office of the Queensland Government Architect ran the Density and Diversity Done Well (DDDW) national design competition in 2017. It was aimed at finding housing options for Queensland's missing middle, to meet emerging community, urban and environmental challenges. The missing middle describes housing development that sits between high-rise, high-density living and the suburban family home.

The Queensland Government is now working with private sector architects to deliver 20 DDDW social housing demonstration projects. This will inform development of new guidelines and social housing

delivery processes that support the government's commitment to ensuring high-quality urban design and place-making underpins development are also being created.

The DDDW initiative is leading the way in exploring better ways to design and deliver social and affordable housing. This includes working collaboratively with social housing residents to examine how the design of new dwellings can improve liveability, with a particular focus on safe and accessible outdoor and shared spaces. One of the first demonstration projects is seven dwellings at Southport.



Bilin Place in Beenleigh

## 2019 pipeline

Most of the infrastructure pipeline for social housing is reflected in the Housing Construction Jobs Program, which will support and accelerate new construction and precinct development.

### The Housing Construction Jobs Program

The Housing Construction Jobs Program is a key initiative of the *Queensland Housing Strategy 2017–2027*. It adopts a partnership approach to renewing and repurposing government land, delivering more social and affordable housing, driving economic growth at a local level and ensuring better community outcomes.

Government-led development has the capacity to be a catalyst for private market housing and, in some areas, retail and commercial development.

The program will deliver a strong pipeline of work that will help support the residential construction industry across Queensland and offer jobs for local tradespeople.

Projects include state-owned sites ready for immediate construction, private sector projects with development approvals in place, community housing provider projects and precinct-based development opportunities.

The precinct-based approach will ensure the Queensland Government’s housing portfolio is diverse, flexible and meets the needs of vulnerable Queenslanders and their communities.

### Investment delivered across the state over five years

**600**  
jobs per year

**1034**  
new affordable homes

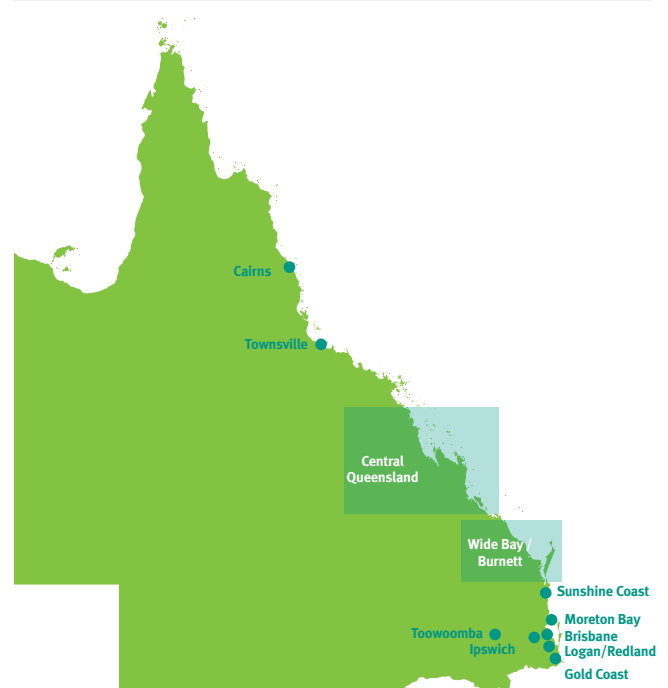
More than  
**\$1 B**  
worth of investments

**2972**  
new social homes

### Construction for growth

Precinct-based investment for social housing\*  
(based on population growth and demand for housing):

Growth areas	Social housing – first 5 years
Cairns	137
Townsville	137
Sunshine Coast	243
Moreton Bay	330
Brisbane	684
Logan/Redland	492
Ipswich	383
Gold Coast	392
Toowoomba	58
Central QLD	60
Wide Bay	56



\*Development and renewal opportunities are based on zoning and proximity to services and public transport as well as existing social housing property holdings.

In 2019–20, the Housing Construction Jobs Program will achieve

**600**  
new home  
commencements

By 2027 the Housing Construction Jobs Program will deliver

**4522**  
new social  
homes

**1034**  
new affordable  
homes

## 1–4 year program

Project	Total estimated cost (\$M)	Contributions				Expenditure to June 2019 (\$M)	Funding (\$M)			
		Fed	QG	LG	Priv		2019–20	Indicative		
								2020–21	2021–22 to 2022–23	Beyond
<b>Regional Queensland</b>										
Build Indigenous community housing	Ongoing		●							11.100
Charters Towers domestic and family violence shelter	Ongoing		●							0.630
Purchase of dwellings for transitional accommodation	Ongoing		●							0.650
Refurbish Indigenous community housing	Ongoing		●							18.502
<b>South East Queensland</b>										
Disability Infrastructure Program	Ongoing		●							0.304
Elderly Parent Carer Innovation Initiative	3.803		●			3.003				0.800
<b>Statewide</b>										
Build and refurbish accommodation for children and young people	Ongoing	●	●							30.878
Build and refurbish accommodation for people with a disability	Ongoing		●							13.432
Build Indigenous community housing	Ongoing	●	●							22.198
Build social housing	Ongoing	●	●							239.438
Crisis Accommodation Program	Ongoing		●							9.588
Disability Infrastructure Program	Ongoing		●							1.855
Refurbish Indigenous community housing	Ongoing		●							58.627
Refurbish social housing	Ongoing		●							74.278

Note: Some figures may differ slightly to the 2019–20 Budget Paper 3 due to rounding.

Similar projects belonging to different agencies have been combined (e.g. ongoing programs).



## Future opportunities

As planning and development advances and funding options become certain, future opportunities will transition into a project or initiative within the 1–4 year program.

### Opportunity 1

Deliver additional social and affordable housing dwellings under the Housing Construction Jobs Program to meet the needs of individual households and communities over the course of the 10-year strategy.

**Status update:** In 2019–20, 600 new home starts are targeted for commencement and are being delivered in partnership with industry and community housing providers.

### Opportunity 2

Assess the application of an inclusionary requirement on surplus government land developed for residential purposes so that a proportion of new dwellings are designated for social and affordable housing.

**Status update:** Inclusionary requirements are currently only applied on a case-by-case basis. The Department of Housing and Public Works is working to establish a system in which this is considered for all suitable sites on vacant state land to advance the objectives of the *Queensland Housing Strategy 2017–2027*.

### Opportunity 3

Work with the Australian Government to reform funding and delivery of housing and homelessness services through a new National Housing and Homelessness Agreement (NHHA).

**Status update:** A new NHHA commenced in July 2018, replacing the National Affordable Housing Agreement and National Partnership Agreement on Homelessness. Queensland is confident it meets the requirements to receive nearly \$1.6 billion in Commonwealth funding under the NHHA over five years from 2018–19 to 2022–23.

### Opportunity 4

Partnering for growth with the community housing sector.

**Status update:** Discussions with the Brisbane Housing Company (BHC) around state investment in the BHC affordable housing growth strategy, announced in November 2018, are progressing. Growth opportunities with other registered community housing providers are being identified. Proposals will be considered as part of five-year development and finance plans proposed by registered community housing providers.

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