

FUTURE INFRASTRUCTURE:  
PRIVATE INVESTMENT -

**A STATEMENT OF  
OPPORTUNITY**



# DISCUSSION PAPER

Department of State Development, Infrastructure, Local Government and Planning





# A MESSAGE FROM THE MINISTER

The release of our State Infrastructure Strategy earlier this year set a plan for the future in identifying the infrastructure needs for Queensland for the next two decades.

By 2036, our population is expected to increase by 20 per cent. That's more than one million new Queenslanders.

This significant population growth, as well as the 2032 Olympic and Paralympic Games and our transition to renewable energy, presents big opportunities for Queensland to seize.

The infrastructure required to meet this demand will generate a pipeline of construction jobs, trade and investment opportunities, and legacy projects that will benefit Queenslanders for decades to come.

The Queensland Government is strongly committed to investing in, and owning, key public infrastructure. But our continued economic growth also requires collective and collaborative investment in priority areas alongside the private sector.

The Future Infrastructure: Private Investment discussion paper sets out our contemporary views on priorities and opportunities for private investment in infrastructure that will help shape the future of Queensland.

We will engage with industry on investment opportunities set out in this discussion paper and determine any barriers to realising Queensland's full investment potential, to supercharge growth in industries and create more jobs for future generations.



## **The Honourable Steven Miles MP**

Deputy Premier and Minister for State Development,  
Infrastructure, Local Government and Planning and  
Minister Assisting the Premier on Olympics Infrastructure

# ABOUT THE STATEMENT OF OPPORTUNITY

While many infrastructure classes or industries present merit cases for private infrastructure investment, this Statement highlights priorities where government is looking to broadly promote and encourage the private sector to invest in exploring and developing infrastructure options and solutions. It focusses on matching the industry and investor interest with targeted opportunities for private sector investment in infrastructure to support, catalyse, stimulate and lead long-term industry growth.

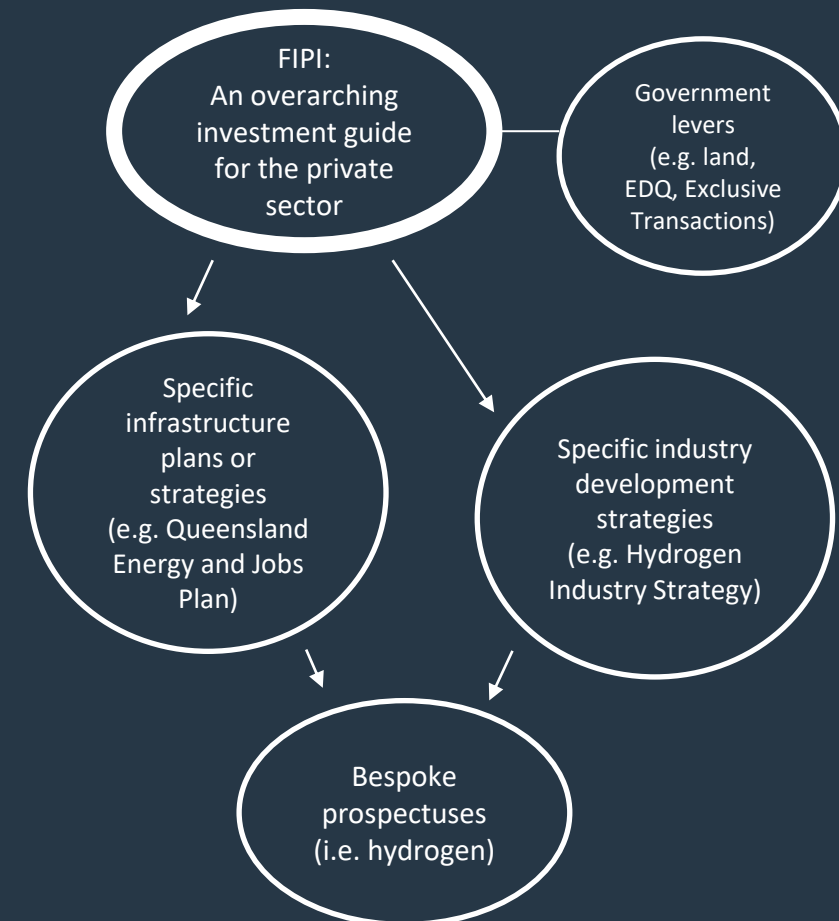
This Statement does not set out to promote every private infrastructure investment opportunity. Not highlighting industries, sectors or infrastructure classes in this Statement does not take away from the importance of those sectors an value of more targeted or even already well-establishment opportunities for private investment.

The Queensland Government has a clear ambition to capitalise on new, innovative and more collaborative approaches to address the state's infrastructure needs and opportunities.

We've articulated our priority interests through a range of strategies and plans and are committed to working with the private sector and industry to advance these opportunities to facilitate greater infrastructure and investment outcomes across Queensland.

In June 2022, the Department of State Development, Infrastructure and Local Planning (DSDILGP) released the State Infrastructure Strategy (SIS), which includes an action for DSDILGP to set priority infrastructure investment opportunities.

As an overarching investment guide for the private sector, the *Future Infrastructure: Private Investment – A Statement of Opportunity* brings together opportunities for private sector investment and highlights Queensland Government prosecutes or infrastructure strategies to promote various opportunities.



# STATEMENT OF OPPORTUNITY DISCUSSION PAPER

Three initial themes for infrastructure investment are presented in this discussion paper, and other themes may be added through consultation.

The discussion paper will be updated following consultation to provide further:

- Specific infrastructure investment opportunities which:
  - have strong potential and private sector investment interest, and
  - support key Queensland Government priorities (e.g. growing our future economy),
- Government levers and support mechanisms available to facilitate private sector investment in infrastructure.

We'd like to work with industry to refine these infrastructure investment opportunities and, where appropriate, the levers government could use to support investment through its existing services, programs and initiatives.

Targeted industry engagement on this discussion paper aims to:

- test and refine infrastructure investment themes and opportunities,
- understand private sector investment appetite across specific infrastructure priorities,
- uncover insights into the barriers to private infrastructure investment in Queensland, and
- understand how government can support greater investment.

Targeted industry feedback on this discussion paper will be used to inform the development of a public infrastructure investment *Statement of Opportunity* to be used for Government's engagement with the investment sector, anticipated for 2023.

# STATEMENT OF OPPORTUNITY POLICY CONTEXT

ECONOMIC  
DEVELOPMENT  
FOCUSSED

PRIORITY INDUSTRY  
ROADMAPS

OTHER INDUSTRY  
AND REGIONAL  
DEVELOPMENT PLANS

STATE  
INFRASTRUCTURE  
FOCUSSED

STATE  
INFRASTRUCTURE  
STRATEGY

REGIONAL  
INFRASTRUCTURE  
PLANS

QUEENSLAND  
GOVERNMENT  
INFRASTRUCTURE  
PIPELINE

OTHER STRATEGIES,  
PLANS AND  
PROGRAMS

PRIVATE  
INFRASTRUCTURE  
FOCUSSED

FUTURE  
INFRASTRUCTURE:  
PRIVATE INVESTMENT –  
A STATEMENT OF  
OPPORTUNITY  
(this document)

OTHER  
PROSPECTUSES AND  
INVESTMENT  
STRATEGIES  
(Including Energy  
Manufacturing  
Opportunity  
Prospectus)

## WHAT WE MEAN BY INFRASTRUCTURE

To maximise infrastructure investment opportunities, we refer to infrastructure more broadly than considered in the State Infrastructure Strategy's 10 infrastructure classes, and include traditional enabling infrastructure, industry specific common user infrastructure, and other types of facilities, such as those required in the manufacturing sector.

For some infrastructure classes under the State Infrastructure Strategy, investment will continue to be led by State Government in support of the government's commitment to public ownership of key public infrastructure assets.

## SCOPE OF THE STATEMENT OF OPPORTUNITY

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Details the priority infrastructure themes and policy context



Identifies key opportunities for private sector investment in infrastructure

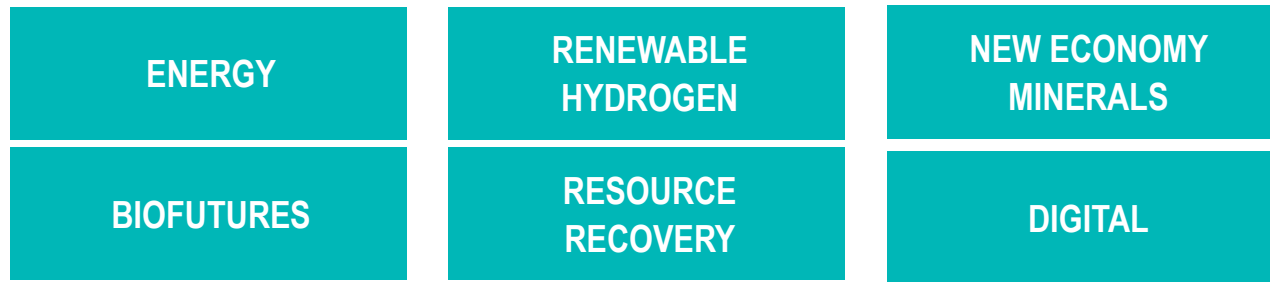


Links to other plans and strategies that provide greater detail on what and where these opportunities are



Details the levers government has to support and facilitate private sector investment in infrastructure and why you should do business in Queensland

# » SECTORS AND EMERGING THEMES



## DECARBONISATION

Efforts to reduce emissions and meet out climate targets, encompassing energy, renewable hydrogen, critical minerals and biofutures industries to position Queensland as a renewable energy powerhouse.

## CIRCULAR ECONOMY

Linking materials and resource recovery to enhance the State's circular approach to how we use, recycle, re-manufacture and reuse end of life materials and products.

## CONNECTING OUR REGIONS

Building on digital industries to ensure everyone in Queensland can access reliable and affordable digital connectivity.

### NOTE:

Critical public infrastructure will continue to be led by State Government. Any additional infrastructure investment opportunities must be in areas of demonstrable strong potential – both as a government priority and where there is known private sector interest.

# » DECARBONISING OUR FUTURE

As worldwide energy use changes, consumers, investors, trading partners and society are demanding more sustainable and low emissions products and supply chains. Notably, there is a significant opportunity for renewable energy to power and replace traditional carbon intensive energy used heavily in sectors such as manufacturing.

Queensland, with its abundance of natural resources and land, has a unique opportunity to lead the way in our nation's decarbonisation agenda and become a world leader in renewable energy.

Our targets:

- > 70% renewable energy by 2032 and 80% by 2035.
- > 30% emissions reduction below 2005 levels by 2030
- > Net zero emissions by 2050

## OPPORTUNITY SNAPSHOT



- Renewable energy generation and storage
- Global demand for cleaner liquid fuels
- Manufacturing with green energy

## UNLOCKING A TRULY RENEWABLE SUPPLY CHAIN...

Queensland holds the key to unlocking a renewable energy supply chain by:

- > taking advantage of our natural resources, including wind, sun and land mass;
- > using our natural endowment of critical minerals;
- > harness low-cost renewable energy to onshore refining of new economic minerals and green manufacture of renewable energy products;
- > delivering affordable, clean and secure energy;
- > growing investment in sectors such as R&D, advanced manufacturing and material suppliers that contribute to the development of renewable energy infrastructure; and
- > manufacturing green energy, renewable hydrogen, sustainable liquid fuels and key renewable energy equipment locally.



# » ADVANCING THE CIRCULAR ECONOMY

We've developed a powerful vision for Queensland to be a zero-waste economy by 2050.

Resource recovery is critical to a circular economy approach. This approach places importance on retaining as much value as possible, at the highest practicable value, from each step in a product's supply chain, to create a sustainable system of reuse, refurbishment, remanufacturing and recycling<sup>5</sup>. In the first instance, a focus on avoidance activities including redesign, plays an important role in ensuring that difficult to manage or recover materials are eliminated.

As the nature of our new economy changes, new and emerging waste stream sectors will arise – renewables, natural resources, manufacturing, pharmaceuticals, and agriculture.

We need infrastructure that not only recovers and processes waste and resources, but that supports reuse or reprocessing materials for a higher value purpose.

Queensland is ripe for opportunity, boasting a natural endowment of resources, renewable energy sources, manufacturing capability, skills and diverse agricultural sector, all of which are needed to deliver a successful circular economy.

## OPPORTUNITY SNAPSHOT



New or expanded recovery and processing facilities to manage future materials and end-of-life products



Focus on Construction and Demolition, Commercial and Industrial, and Municipal Solid Waste

The Queensland Government recognises an opportunity to lead the way in industry development on a global stage, and has developed guidance to industry for sector planning through:

- > Queensland Resources Industry Development Plan – is progressing circular economy opportunities in the resources sector by investigating the feasibility of re-commercialisation of abandoned mines and market needs to unlock the value in mine waste through reprocessing and reuse opportunities.
- > Under the New Economy Minerals Initiative and Queensland Resources Industry Development Plan, \$3 million has been committed, between 2019 and 2024, to research Queensland's mine waste to create a baseline dataset of metal content with a focus on critical metals, and alternative uses for non-metalliferous waste.
- > Waste Management and Resource Recovery Strategy - outlining waste management practices to reduce the amount of waste produced by business, industry and households. The strategy sets priorities and stretch targets for 2050.

## » CONNECTING OUR REGIONS

Digital innovation and technology are transforming business models, communications, ways of delivering and accessing services and making the world increasingly interconnected. The global COVID-19 pandemic has also accelerated changes to the way we work, our willingness to adopt new technologies and our capacity to deliver online products and services.

As global technology advances and industries transition through digital enablement, it becomes increasingly important to ensure Queensland has a thriving and inclusive digital economy.

Underpinning this ambition is the need for faster, more reliable digital infrastructure which is capable of providing contemporary services across the state, including to our remote and First Nations communities.

As Queensland is a highly decentralised state, there are many opportunities to provide all communities with the digital connectivity they need. Challenges include the dispersed population, more certainty of returns for providers, and more clearly defining what a 'good' connectivity experience looks like across Queensland.

Good connectivity is key to improving access to education, innovation, healthcare, employment and services for individuals. Resilient, high-capacity connectivity is also a critical factor for attracting new businesses, enabling industry competitiveness, increasing employment opportunities and growing the digital economy - enabling Queensland to flourish.

Ultimately the need to improve digital connectivity presents an opportunity for significant investment and greater market innovation – extending or replacing existing delivery models.

While telecommunications networks are regulated by the Australian Government and delivered largely by NBN Co and private telecommunications providers, the Queensland Government is interested in working with investors on a range of digital infrastructure opportunities that are needed to underpin the digital economy.

### OPPORTUNITY SNAPSHOT



Improved connectivity in regional and remote Queensland communities, in partnership with the Australian Government, commercial carriers, infrastructure providers and councils.

# » GOVERNMENT LEVERS AND SUPPORT

DSDILGP is responsible for delivery of coordinated and resilient infrastructure for Queensland. This includes implementing key priorities in the State Infrastructure Strategy, planning and delivery of the Brisbane 2032 Olympics and Paralympics Infrastructure Program, implementation of the Regional Growth Framework (which includes integrated RIPs), and leading strategic capital program planning and reporting.

As the lead infrastructure agency for Queensland, DSDILGP strength lies in its coordination levers and planning and delivery powers.

Key considerations for accessing this support vary by the type of support, however, there are some consistencies.

These include:

- > Demonstration of alignment to government policy
- > Demonstration of broader benefits
- > Sustainability
- > Demonstration of potential to provide value for money
- > Enable economic growth during construction and post-construction

Infrastructure for a growing state is the cornerstone of the 2022-23 State Budget with almost \$350 million in capital purchases and grants to further develop the state including:

- > \$150 million in equity funding for the Catalyst Infrastructure Fund for the major infrastructure needed to continue the delivery of new communities such as Ripley Valley and Greater Flagstone
- > \$50 million in equity funding for the new Growth Acceleration Fund to invest in the trunk infrastructure needed to develop residential lots and increase dwelling supply.

The Queensland Government has established the Queensland Renewable Energy and Hydrogen Jobs Fund with \$4.5 billion for government investments. This Fund allows energy government-owned corporations to increase ownership of commercial renewable energy and hydrogen projects, as well as supporting infrastructure, including in partnership with the private sector.

## NEXT STEPS

Investment opportunities will continue to be developed ahead of industry engagement in early 2023.

To register your interest in engagement next year:

[www.statedevelopment.qld.gov.au/fipi](http://www.statedevelopment.qld.gov.au/fipi)