

# ANNUAL REVIEW

# NORTHERN TERRITORY INFRASTRUCTURE PLAN

2021





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## *How to navigate this document*

Planned and proposed infrastructure projects are provided in each Sector commencing from page 32.

The term 'the Plan' refers to Northern Territory Infrastructure Plan Annual Review 2021.

All statistics referred to in the Plan are based on 2019-20 unless otherwise indicated.



## MINISTER'S FOREWORD

*The Northern Territory Government has an ambitious goal of a \$40 billion economy by 2030, leading to more jobs and higher living standards for all Territorians.*

The Northern Territory provides a wealth of opportunity unmatched anywhere in Australia. The Northern Territory Infrastructure Plan is a formal document that outlines the direction of the Territory's infrastructure priorities and how critical infrastructure and investment, with contributions from government and industry, will grow and develop the Territory. The Plan identifies opportunities for industry to further develop infrastructure that will achieve value for Territory and provide benefits to Territorians. Planned and prioritised infrastructure projects provide clear economic opportunities that support key growth sectors to recover from COVID-19 and rebuild the Territory's economy.

To achieve this, it is vital to diversify the Territory's economy through a number of key growth sectors to shift the Territory's economic axis, placing it in a strong financial position.

Central to this is delivering critical, strategic infrastructure that supports local industry and enables industry to diversify to provide long term economic opportunity, sustainability and prosperity for the Territory's future.

The Territory Economic Reconstruction Commission (TERC) published its *Final Report* in December 2020. The report outlines key strategies, approaches and actions to increase private sector investment, leading to industry growth, business opportunities and sustained jobs growth.

By implementing actions recommended by the TERC's *Final Report* and assisted by this Plan, the Northern Territory Government is working hard to deliver a stronger, more diversified economy to make the Territory the comeback capital of Australia.

Government recognises the private sector as the engine room of the Territory's economy, and it is critical that the right infrastructure is delivered at the right time to ensure

private sector confidence and investment in the Territory is realised and maintained.

Government is committed to building capacity for local industry to deliver key public infrastructure that grows the Territory and supports important service delivery outcomes.

This Plan complements The Territory's Economic Reconstruction, and continues government's annual Infrastructure Program. Government's program focuses on supporting jobs, while delivering social and economic opportunities to Territorians by constructing Territory roads, health facilities, schools and education facilities, public and regional housing, community safety facilities, community infrastructure, tourism and sporting facilities.

The year 2020 was a year like no other, but it also provided the Territory with a once in a life time opportunity to make a step change to maximise the Territory's economic rebound in the wake of the COVID-19 crisis. This Plan supports this step change.

In 2021, the Northern Territory Infrastructure Plan will be further reviewed to align with The Territory's Economic Reconstruction. Feedback is invited to direct and inform this review.

Government will continue to invite ongoing contributions from Australian and local governments, private sector and community stakeholders to share information that supports proactive future planning for infrastructure to deliver economic outcomes for the Territory.

### **THE HON EVA LAWLER MLA**

Minister for Infrastructure, Planning and Logistics



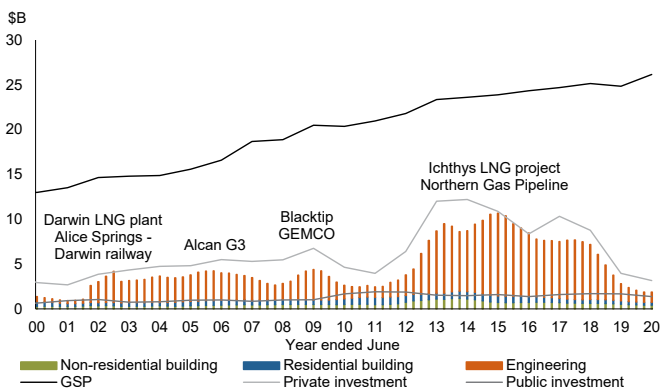
# NORTHERN TERRITORY ECONOMIC ENVIRONMENT

*The Northern Territory has a small, open economy, historically driven by investment in major projects and significantly influenced by national and global economic conditions.*

## Northern Territory economy

The structure of the Territory economy reflects its abundant natural resources, strategic defence significance, tourism attractions and large public sector. Mining and manufacturing, government and community services, construction and tourism accounted for almost two thirds of economic activity in 2019-20.

Even before the impacts of COVID-19, economic activity declined following completion of construction for the Ichthys LNG project, though the Territory reported the strongest economic growth of the jurisdictions in 2019-20, with gross state product (GSP) increasing by 5.3 per cent to \$26.2 billion, driven by gas exports. The Territory's economic recovery in 2020-21 is expected to be faster than previously anticipated, with GSP estimated to increase by 4.7 per cent in 2020-21 and state final demand estimated to grow by 4.2 per cent.



**Northern Territory Economy**  
[www.nteconomy.nt.gov.au](http://www.nteconomy.nt.gov.au)

## Impact of COVID-19

COVID-19 is a health crisis with very significant economic impacts. Governments quickly intervened to save lives, jobs and livelihoods, but the hugely disruptive nature of the pandemic has required governments and businesses to reconsider changing demand drivers for their services, and to re-think how they deliver services and value. This requires strategic consideration of what 'recovery' might look like locally, nationally and globally.

Even with the Territory's decisive health response, support packages and early easing of restrictions, the Territory has not been immune from the economic impacts of COVID-19, particularly in the tourism, arts, recreation and transport sectors.

Despite this, the consensus among independent commentators is that the Territory is one of the best placed jurisdictions to rebound economically, aided by its 'safe' status.

## Territory Economic Reconstruction Commission (TERC)

The Territory's economic recovery is being led through the implementation of the TERC recommendations. This Plan includes a number of priority projects identified in the TERC first and final reports. In coming years, it will reflect the full implementation of the TERC reports, as discussed in the following section.

The Territory's Economic Reconstruction Progress Report 1 is available at: <https://ntrebound.nt.gov.au/reports>

# NORTHERN TERRITORY INFRASTRUCTURE SNAPSHOT




**\$1.619B** Infrastructure Program  
Budget (2021-22)

## Energy and Minerals

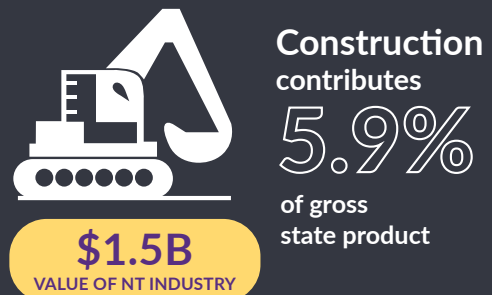
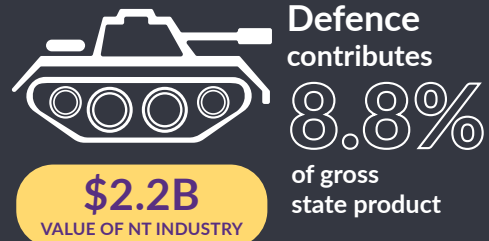


Target  
**50%**  
of our electricity from  
**renewable sources**  
by 2030



**\$649 million**

Value of the agriculture, forestry and  
fishing sector

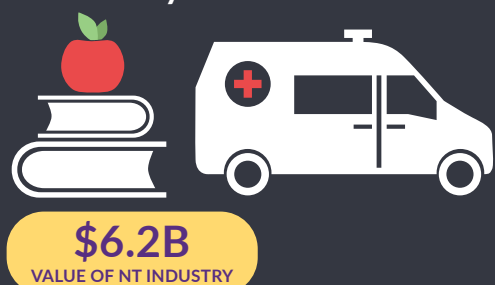


**7 300 people**

employed in the Tourism industry  
(direct share of NT Workforce)



## Government and community services



# TERRITORY ECONOMIC RECONSTRUCTION COMMISSION

The Territory Economic Reconstruction Commission's final report provides direction for the Territory's economic future. It provides advice on key strategies, approaches and actions that will increase private sector investment, leading to industry growth, business opportunities and sustained and sustainable jobs growth.

A Step Change to Win Investment and Create Jobs, Territory Economic Reconstruction Commission: Final Report, December 2020 was provided to the Chief Minister on 30 November 2020 with the following goals:

- ◆ create jobs in the near, medium and long term
- ◆ attract private investment
- ◆ support current and emerging industries
- ◆ build on the Territory's competitive advantages
- ◆ unlock the potential of the Territory's regions.

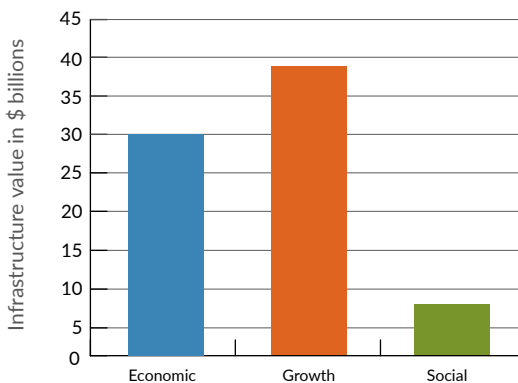
The Final Report is a Territory-wide step change to win more private investment and create jobs.

The Territory's rate of growth has slowed over the past decade and will fall further behind without concerted effort.

Even before COVID-19, the transition from a major construction boom meant falling private investment, a shrinking population, increasing unemployment and weak growth in living standards.

Turning this around to achieve a \$40 billion economy by 2030 requires a sustained average annual Gross State Product growth rate of 3.9 per cent.

To support this growth the Territory Government needs to focus on economic enabling infrastructure, while balancing the need for social infrastructure.



*"The Northern Territory has what it takes to become a thriving place to live, work and play. New investment creates job opportunities and wages growth, increases retail and construction activity, grows the Territory's population, and provides tax revenue for government to improve services and reduce debt."*

**Territory Economic Reconstruction Commission**

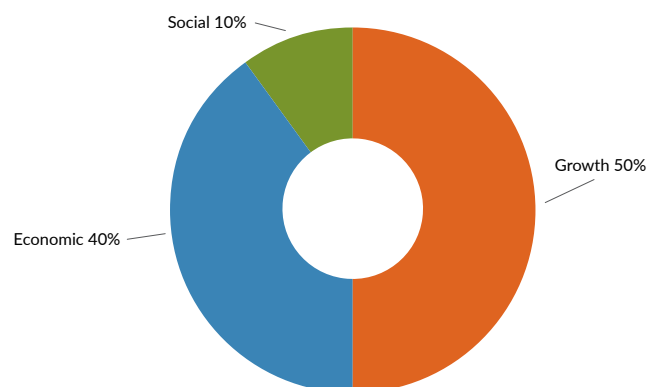
A combination of private investment and supporting public investment (including economic stimulus) will drive industry growth and exports, which will increase retail, construction activity, broader economic growth and jobs.

Some new investment will come from the existing pipeline of projects and opportunities actively under consideration, including: mines, minerals processing, agribusiness, renewable energy exports, further appraisal and potential development of the Beetaloo Sub-basin and other onshore and offshore gas developments.

With the level of private investment in the Territory now coming off a new low base and challenging global economic circumstances, activating the maximum possible amount of this pipeline of existing and new projects is critical.

Key sectors that will enable an upswing in growth to the economy include marine industry, mines, minerals processing, agribusiness enterprises, renewable energy exports, manufacturing, food processing, tourism, defence strategic infrastructure and low emission petrochemicals.

## Total estimated infrastructure value of projects in the Plan exceeds \$76 billion



# GLOBAL FORCES

“The Territory must actively channel global forces to create a competitive advantage. The Territory has performed best when aligned with global trends – ignoring these forces could see the Territory fall further behind.” Territory Economic Reconstruction Commission, 2020.



The Territory is well-placed to prosper from the following global megatrends:



## DIGITALISATION

Acceleration of technical advances is impacting and disrupting industry sectors, but also helping others overcome the barriers of remoteness – a key opportunity for the Territory



## DEGLOBALISATION

Shift to increased self-sufficiency in supply chains and manufacturing capacity provides opportunity to grow local manufacturing



## SUSTAINABILITY

Global commitments to net zero emissions by mid-century provide opportunities for the Territory to benefit from developing and promoting decarbonisation supply chains and pathways



## INCLUSIVE AND JUST SOCIETIES

The Sustainable Development Goals include a strong focus on inclusive societies and mature relationships with First Nations peoples, providing opportunity for Aboriginal Territorians to economically benefit from a growth agenda



## REGIONALISATION

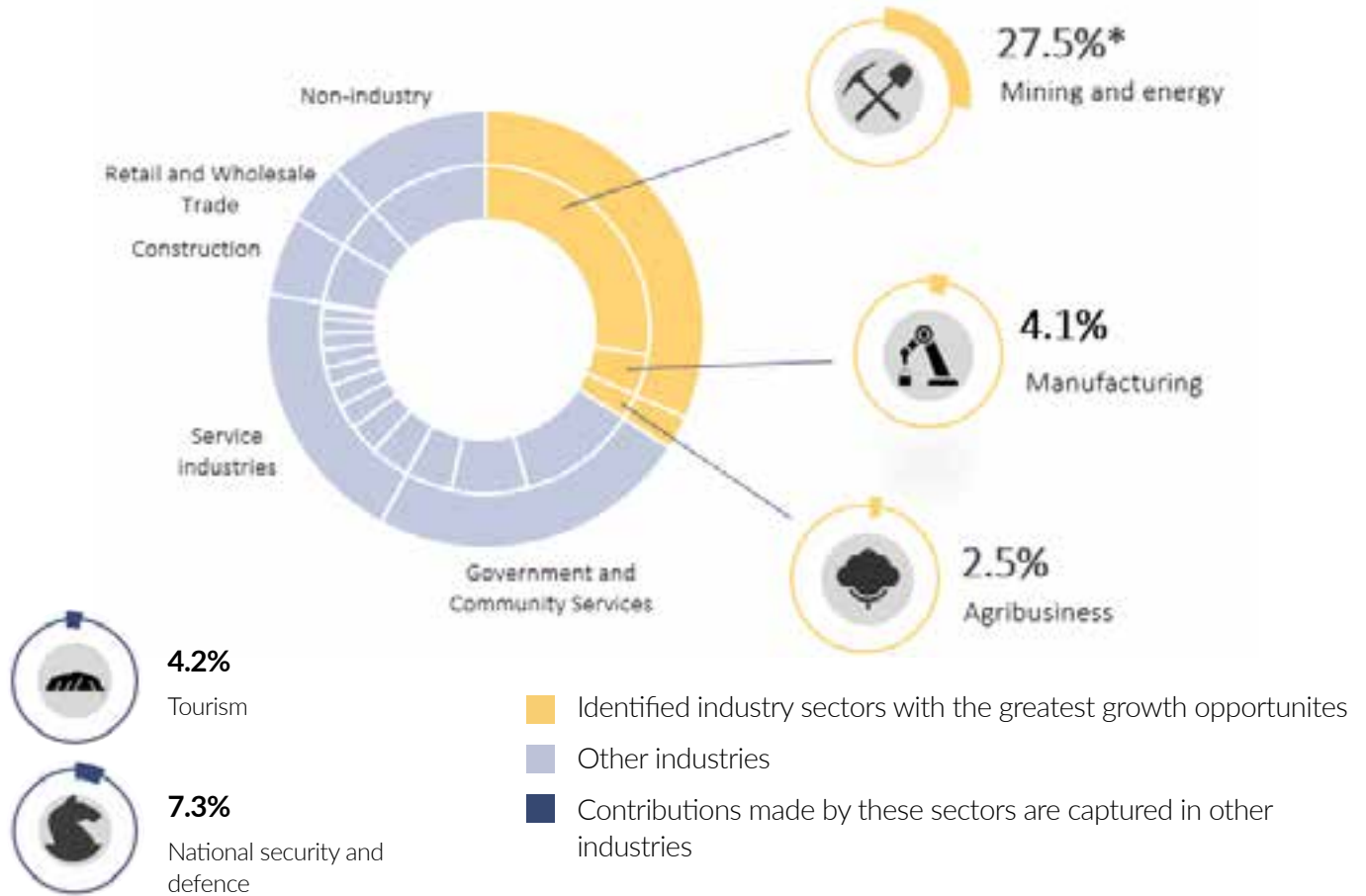
Strategic shifts in the global order shine a spotlight on the rise of Asia. The Territory's proximity to Southeast Asia strengthens the opportunity for trade north, rather than south.



# FOCUS ON INDUSTRY

A focus on the following sectors will drive industry growth. By design and necessity, the TERC reports focus only on the sectors that will contribute the most to an upward swing in economic growth.

Sector shares of Territory economic activity 2018-19



## Other Focus areas



Decarbonisation



Digital industry



Maritime industry



Space industry

## THE MAJOR PROJECTS COMMISSIONER

Major Projects Commissioner will be the point of coordination for major projects and make it easier for businesses to navigate approvals and create Territory jobs.

## TERRITORY INVESTMENT COMMISSIONER

The Territory Investment Commissioner will partner with industry to actively pursue new investment opportunities in the Territory in target sectors such as advanced manufacturing, renewable energy and digital industries.

These Commissioners will have a broad investment mandate and will become key links between industry and government.

# INFRASTRUCTURE FOR GROWTH

*Securing investment to drive demand for jobs and grow the economy requires a sustained cultural shift towards welcoming and winning new investment, collaboration and a determined focus on removing unnecessary impediments to private investment.*

This may require the Territory Government to carefully increase debt levels to finance well-considered infrastructure, supported by robust business cases, that will return real benefits to the Territory and its finances.

## Key enablers for industry growth

Infrastructure is critical to creating jobs, addressing disadvantage, enhancing the liveability of communities and preparing for the future needs of the Territory with better logistics, utilities and essential services, social services and community facilities.

Well targeted priority projects can deliver ongoing productivity, improvements across multiple sectors, enhance connectivity, create greater sustainability, build resilience and support liveability.



**Access to land**



**Access to water**



**Access to affordable power**



**Logistics to manage and connect supply chains**



**Access to digital connections**

The TERC *Final Report* underpins a Territory-wide step change that will win more private investment and create jobs. The Territory Government, industry and the community must come together to prepare comprehensive pitches to investors and put forward evidence-based ideas and plans that demonstrate the Territory is prepared, engaged and ready to do business. The *Final Report* includes the following infrastructure systems recommendations, which are in progress:

## I1 | INFRASTRUCTURE SYSTEMS

### Urgently deliver a significant program of infrastructure that enables industry growth

- ◆ Prepare and negotiate a 10-year economic infrastructure package with the Australian Government, quarantined from the Commonwealth Grants Commission assessment, and:
  - prioritised to deliver economic benefit and equity of access
  - with accelerated delivery to quickly realise benefits
  - with a particular focus on roads, digital and water related infrastructure.
- ◆ For the medium term re-prioritise the Territory Government's infrastructure program towards economic infrastructure that enables industry growth.
- ◆ Rapidly complete economic infrastructure to ensure the benefits from the infrastructure are quickly realised, including key roads.
- ◆ Increase planning and design of priority projects over the next three years to accelerate projects to ensure a pipeline of 'shovel ready' strategic projects are prepared to proceed commensurate with finance.

### TERRITORY ECONOMIC RECONSTRUCTION - PROGRESS REPORT 1

Since the release of the TERC *Final Report*, the Northern Territory Government, in partnership with the Australian Government, announced the onset of accelerated economic infrastructure with significant new funding for road upgrades in the Beetaloo Sub-basin, as well as a large Road Safety Program.

Significant planning work is underway to connect Beetaloo to a manufacturing hub at Middle Arm, with business cases to Infrastructure Australia (IA) resulting in the listing of these priority projects in the Northern Territory. Other successful submissions to IA have resulted in the Adelaide River Off-stream Water Storage and Digital Connection projects now included on the Infrastructure Priority List (IPL), a prioritised list of nationally significant investment opportunities.

The *2021 Australian Infrastructure Plan* is available at [www.infrastructureaustralia.gov.au](http://www.infrastructureaustralia.gov.au)

## I2 | INFRASTRUCTURE SYSTEMS

**Rapidly establish a strategic infrastructure planning and development function that plans for, coordinates and aligns infrastructure needs with industry and population growth**

- ◆ Establish a strategic infrastructure planning and development function that:
  - provides a coordinated, proactive, Territory-wide approach to strategic (economic and social) infrastructure planning, development and prioritisation, in collaboration with industry (building on the existing Infrastructure Strategy and the Plan)
  - establishes an ongoing financing and investment framework, including sources such as public and private partnerships, strategically aligned Australian Government programs, and philanthropic and corporate interests, to help secure investment in a pipeline of critical infrastructure
  - strengthens coordinated strategic planning and agreed infrastructure priorities with the Australian Government on programs of national and Territory significance to help secure long term infrastructure funding
  - reviews legislation and regulation, addressing any complexity, clarity and timeframe issues for industry and the public, along with best practice for sustainability, resilience and natural disaster mitigation, energy efficiency, technology improvements and innovative and creative design principles
  - keeps abreast of technology, industry and societal changes that are brought about by global trends.

The TERC *Final Report* and the Territory's Economic Reconstruction Progress Report 1 is available at

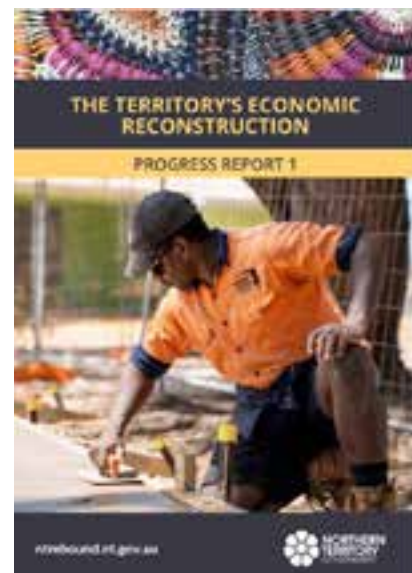
[www.ntrebound.nt.gov.au](http://www.ntrebound.nt.gov.au)

## TERRITORY ECONOMIC RECONSTRUCTION - PROGRESS REPORT 1

The Northern Territory Government established **Infrastructure NT** on 28 April 2021.

**Infrastructure NT** will implement TERC recommendations, with the following immediate actions to get underway:

- build on infrastructure work the Territory Government has already done, and have a strategic approach to creating jobs and planning for the future
- work in conjunction with the Investment and Major Project Commissioners to win projects and make them happen
- establish a strategically focused professional team that will represent the Northern Territory in national discussions to ensure our public infrastructure requirements have Australian Government and broader community support, including submissions to Infrastructure Australia for priority project listing
- develop a new Territory Infrastructure Strategy incorporating annual Infrastructure Plans to get the right infrastructure built at the right time, in the right place to support productivity, economic growth and regional sustainability
- oversee business cases and concept plans for 'shovel worthy' government projects underpinned by appropriate community engagement and planning through the regional recovery committees
- review and define processes to assess and prioritise all major publicly funded infrastructure investment proposals.



# INDUSTRY STAKEHOLDERS

*Industry peak bodies represent and promote business sectors, supporting the Northern Territory's economic and social development. Strong industry networks create an environment to share knowledge, ideas and opportunities while building connections to achieve outcomes and success. Peak bodies contribute annually to this Plan.*

## Master Builders Association of the NT

Since self-government was granted to the Northern Territory in 1978, infrastructure has been the key building block for economic development in the Territory. Even today, investment in infrastructure makes up a larger slice of the economy than for most other states and territories.

The building and construction sector makes up 5.9 per cent of gross state product and provides employment for more than 10 000 Territorians.

This Plan and quarterly Construction Snapshots are critical pieces of industry intelligence to help track public and private projects through each stage of development.

These updates on infrastructure planning, development and construction across the Territory enable business owners and managers to understand where future opportunities might sit, and where they might place their business going forward.

## Housing Industry of Australia NT

The Housing Industry Association (HIA) is Australia's only national industry association representing the interests of the residential building and construction industry.

As the voice of the residential building industry, HIA represents a membership of 60 000 people across Australia.

HIA members deliver more than 180 000 new homes each year by constructing new housing estates, detached homes, low and medium density housing developments, apartment buildings and completing renovations on Australia's nine million existing homes.

The economic and social prosperity of the Territory hangs in the balance for the construction industry.

The key ingredient to a home building recovery in the Territory is significant investment in projects that attract workers and reverses the wider economic malaise in the Territory. Growing the population by supporting investment in the sustainable, long term housing and construction industry for the region must be the number one priority.

The addition of Australian Government stimulus for new home building and renovations offers a short term boost. When combined with the Territory's first home owner grant and the BuildBonus, it is critical that the Northern Territory Government sees 2021 as an opportunity to set out a plan to grow the Territory.

## NT Property Council

The property sector is one of the Northern Territory's largest employers with more than one in three Territorians drawing a wage from the property and real estate industry. With the right reforms and regulatory framework, the property sector can deliver the economic gains the Territory is looking for.

Private investment is critical to stimulate economic activity, create jobs, grow labour force skills and expertise, and make the Northern Territory welcoming and liveable. The Territory needs long term sustainable economic activity to break away from the cyclical boom and bust environment.

Strong infrastructure pipelines and clear city growth policies are needed to make cities more productive and better connected to communities right across the Territory and supply the jobs and services they need.

Everyone needs to work together to make the Territory an attractive investment opportunity for business and stimulate growth, while maintaining a strong focus and commitment to developing the northern Australia agenda.

## Consult Australia

Consult Australia has strong Northern Territory representation through the Darwin office, supporting committees of members representing industry interests. Consult Australia drives advocacy activities that are responsive to unique local challenges, facilitate new networks and business development opportunities for our member firms, and deliver targeted training, local communication and member engagement.

Consult Australia helps connect business to government and business to business – working with government at both state and federal level, collaborating with numerous built and natural environment stakeholders. Consult Australia strives to address critical business issues and improve the business environment for its members.

## Urban Development Institute of Australia NT

The Urban Development Institute of Australia Northern Territory (UDIA NT) supports initiatives to enhance the positive economic multiplier impact on jobs and businesses created from an active development sector.

Key infrastructure investment in the Territory and opportunities to unlock development through targeted infrastructure investment can be a catalyst to a strong development industry that contributes to a strong and vibrant Territory economy.

The development sector has proven that it is a core pillar to a strong economy in the Territory. UDIA NT will always support initiatives to unlock development in the Territory to improve opportunities for home buyers and promote new land development to create jobs.

## Engineers Australia

The Northern Division of Engineers Australia supports developing clear priorities in the Plan, underpinned by the six development levers. Of these, Engineers Australia highlights the need to focus on people to ensure there is a robust strategic workforce development plan to ensure the right people with essential expertise are in the right jobs at the right time. Attracting and retaining appropriately qualified professions will lead to better outcomes in project development and delivery for the Territory.

Engineers create solutions for our sustainable future. A robust pipeline of engineers to help lead innovation, policy, planning and delivery is in the national interest. Members of Engineers Australia contribute to the Northern Territory's economic and community development in industries such as healthcare, infrastructure and construction, energy, mining, agriculture, transport, manufacturing, telecommunications, information communications technology, education and training.



## Civil Contractors Federation NT

Civil Contractors Federation Northern Territory (CCFNT) members are responsible for constructing and maintaining the Territory's infrastructure, including roads, bridges, pipelines, drainage, ports and utilities.

The civil construction sector plays an essential role in the residential and commercial construction industry by providing earthmoving and land development services, such as providing power, water, telecommunications and energy.

As part of the national body, CCFNT represents the interests of the civil contracting industry and is recognised as the voice of the civil sector.

Civil infrastructure underpins all economic advancement opportunities. Increased investment in enabling infrastructure must be a priority for all levels of government if we are to see growth in tourism, agriculture, horticulture, mining, gas exploration, defence, as well as improvements in health and education outcomes across the Territory's vast land mass.

Prioritised and targeted transport infrastructure upgrades across the Northern Territory will enable the Territory to become a significant contributor to the Australian economy and play a major role in further business and trade connectivity with our northern neighbours.

## NT Road Transport Association

The Northern Territory Road Transport Association (NTRTA) is the peak industry body representing all sectors of the road transport industry across the Northern Territory. The Territory's publicly owned road network is a strategic asset, vital to our security, lifestyle and livelihoods. NTRTA's core focus is to inform all tiers of government to maximise the safety and performance of road assets and ensure the construction of road infrastructure is fit for purpose. Infrastructure needs to underpin growth and the road transport industry requires efficient, operational freight corridors to support supply chains.

## NT Cattlemen's Association

The Northern Territory Cattlemen's Association is the peak cattle industry body representing members who manage 49 per cent of the Territory's land mass. The Territory's cattle industry is worth \$1.2 billion and employs more than 10 000 people directly and indirectly.

Infrastructure development is critical to the pastoral sector and it is due to the pastoral sector that a lot of infrastructure has been developed – especially in remote and regional parts of the Territory.

## Northern Territory Farmers Association

Northern Territory Farmers Association (NT Farmers) support and represent established and emerging agribusinesses through effective advocacy, research, development, extension and marketing to meet opportunities and challenges.

A number of key projects are underway. New priorities are emerging as the plant and forestry industries of the Territory continue to grow and diversify. Interest in broadacre agriculture has intensified since the Plan 2017–2026 was published. The release of land and water resources in the Territory and improvement in farming systems has established new agricultural precincts, including modern cotton, and will power this development for the period of this Plan.

Plant industries in the Territory continue to grow in value and are becoming a very strong and sustainable contributor to the Territory economy. Plant industries will continue to expand and take advantage of infrastructure improvements to drive development.



## **Darwin Port**

Darwin Port is operated by Darwin Port Operations Pty Ltd, which is part of the Landbridge Group. The Landbridge Group is a large private company based in Rizhao city in Shandong Province in China, operating businesses in China, Panama, New Zealand and Australia.

The Darwin Port operates commercial wharf facilities at East Arm Wharf and the cruise ship terminal at Fort Hill Wharf, providing facilities that service a wide variety of industry sectors throughout the Northern Territory. The port has existing capacity and the capability to quickly expand this capacity as demand for imports and exports grows.

## **Australian Petroleum Production and Exploration Association**

The Australian Petroleum Production and Exploration Association (APPEA) is the peak national body representing Australia's oil and gas exploration and production industry.

As the effective voice of Australia's oil and gas exploration and production industry, APPEA represents members by leading research, policy and advocacy to ensure a regulatory and policy framework that is economically stable, environmentally sustainable and socially responsible. APPEA's vision is Energy for a Better Australia.

APPEA has about 200 members comprised of oil and gas explorers and producers and companies providing goods and services.

The Northern Territory is home to a world class natural gas industry that already makes a substantial contribution to the national and Territory economy and this will grow and continue to grow for decades to come.

There is an opportunity to continue to turn the Territory's existing and prospective natural resources into long term prosperity, creating more jobs, driving investment and increasing economic growth.

With abundant resources, access to key markets in Asia and a skilled workforce, the Territory is well positioned to rebound from the COVID-19 pandemic and to capitalise on the emerging opportunities created by increasing global energy demand, particularly in Asia.

## **Minerals Council of Australia NT**

The Minerals Council of Australia Northern Territory Division works to promote leading practices to advance the industry's competitiveness and its contribution to sustainable development on behalf of all Territorians.

The Territory's minerals sector is poised for growth if certainty can be provided to project proponents to encourage investment in our natural assets.

A strong Territory minerals sector will always lead to a strong Territory economy and the partnership between the Territory's minerals industry, government and communities already delivers a significant economic and social contribution to the Territory and the nation.

This partnership can deliver much more with the right policy settings and the Territory is ready to deliver a substantial expansion in sustainable economic development.

## **Extractive Industry Association**

The extractive industry mines produce high volume commodities of sand, gravel, topsoil, fill and rock, for all construction and infrastructure development. The Extractive Industry Association of the Northern Territory Inc. (EIA) represents the majority of participants in this industry sector, operating in the Territory.

It is critical for the Territory's development that extractive materials are available at a reasonable cost and they are provided in a manner that creates the least environmental and social impact on Territorians. This must be supported by ensuring the extractive industry, which supplies these materials, has continued, long term access to extractive material close to the communities they service.

The EIA members and the materials they supply build our offices, homes, recreational facilities, our jobs and ultimately the future for all Territorians.

## Chamber of Commerce NT

The Chamber of Commerce Northern Territory supports the Northern Territory Infrastructure Plan.

Infrastructure deficits increase costs to business, the community and government, hold back economic development, generate social inequity, and entrench disadvantage.

The Territory has an opportunity now to overcome infrastructure deficits to enable thousands of Territorians in isolated areas to engage in the mainstream economy.

This will:

- ◆ support industry growth, including energy development and tourism
- ◆ facilitate efficient transport and communication
- ◆ build climate change resilience.

This Plan, together with the Australian Infrastructure Plan 2021, provides the start of bold new approaches to infrastructure investment. The Territory Government, working in close collaboration with the Australian Government and private sector, can deliver infrastructure to provide the backbone of economic transformation in the Territory.

## Business Innovation Network NT

The Business Innovation Network NT (BINNT) provides the knowledge and support Territory businesses need to become successful innovative entrepreneurs in the Northern Territory – Australia’s newest investment and career destination.

Territory entrepreneurs are perfectly positioned to expand in our international region, while thriving in our unique Territory lifestyle. BINNT offers the access and potential collaboration with new companies, experienced business leaders, faculty researchers, government officials, established technology companies and investors that local innovation needs to achieve successful commercialisation.

BINNT members are expanding and diversifying the Territory’s economic growth by driving opportunities to grow private investment and create jobs in the Territory.

This is being done through:

- ◆ more successful start-ups
- ◆ commercialisation of new products
- ◆ services and processes
- ◆ accelerated growth of high potential businesses.

## Tourism NT

Tourism is a major employing industry in the Territory, accounting for one in eight jobs prior to COVID-19. In 2019, two million overnight visitors came to the Territory and spent \$2.59 billion. In addition to its contribution as a major job creating industry and economic driver, tourism plays an important part in regional economic development through visitor demand for experiences right across the Territory.

The Territory’s positioning as a destination with outstanding natural and cultural assets, located within wide-open spaces, is likely to strongly appeal to domestic markets as Australia recovers from COVID-19 restrictions.

The Northern Territory’s Tourism Industry Strategy 2030 (NTTIS 2030) sets out the strategic direction for industry development over the next decade.

Co-developed by industry and government, the strategy sets out six priority objectives that, if delivered, will make a real impact on the trajectory of tourism in the Northern Territory:

- ◆ grow investment in the Territory’s remarkable assets, product and regions  
strengthen and showcase the Northern Territory’s distinctive Aboriginal cultural tourism experiences
- ◆ grow the value of the holiday market in the Northern Territory through strategic marketing activities
- ◆ leverage and build events to drive visitation
- ◆ develop ongoing access to and within the Northern Territory
- ◆ increase recognition of the value of tourism to the Northern Territory.

By 2030 the strategy projects overnight visitor arrivals to the Territory to reach between 2.51 million and 3.03 million, accounting for between \$3.01 billion and \$3.67 billion in expenditure.

To achieve the NTTIS 2030 targets and maximise the opportunity from the expected increased demand for regional tourism in the short to medium term, Tourism NT has developed destination management plans (DMPs) to develop a sustainable sector in each region.

## Industry Capability Network NT

The function of the Industry Capability Network NT (ICN NT) is to identify, develop and match major projects and contracts with Northern Territory businesses. ICN NT helps people wanting to buy goods services and equipment to find competitive local suppliers.

ICN NT connects local Territory businesses to government, major projects and companies via a national database and other ICN offices in Australia and New Zealand to provide access to opportunities in industry, government and major projects.

At the heart of ICN NT's service is the ICN Gateway, a powerful online tool connecting suppliers and project managers with new work and business opportunities.

Key services in the Northern Territory include:

- ◆ maximising procurement and supply opportunities for Northern Territory industry
- ◆ making it easier for buyers and suppliers to do business in the Territory
- ◆ providing support services for buyers and suppliers in the Territory, such as:
  - identify, develop and match opportunities for businesses to connect
  - source competitive local suppliers
  - help local suppliers access to national and international opportunities.

ICN Gateway: <https://gateway.icn.org.au/>

## NT Indigenous Business Network

The Northern Territory Indigenous Business Network (NTIBN) is a group of Indigenous businesses working together.

The NTIBN was launched in 2010 to establish, nurture and grow an interconnected network of Indigenous owned businesses throughout the Territory, to create more opportunity for economic participation and social prosperity for Indigenous businesses.

The network supports current and emerging Indigenous businesses in their journey to success through programs that focus on strengths, and how they can be used by Indigenous business owners and entrepreneurs to further their futures in business.

As the peak body representing Northern Territory Indigenous business, the NTIBN offers members organisational development, industry based development, business support and collaborative promotional opportunities.

The NTIBN has differentiated itself from other peak bodies by establishing a robust Indigenous Business Certification process, ensuring that members needing ongoing certification continuously fulfil the Indigenous ownership requirements.

Photo: NTIBN

Jerome Cubillo (left) – Chief Executive Officer  
Naomi Anstess (right) - General Manager, Indigenous Business Growth



## Northern Territory Land Councils

Land Councils support Aboriginal people to manage their traditional lands and seas including issuing permits for entry, fishing, filming and other activities.

Aboriginal land councils were set up in the early 1970s during the Australian Government's Aboriginal Land Rights Commission.

The Aboriginal Land Councils in the Territory have legal power to help Aboriginal people negotiate with governments and private companies over projects on Aboriginal lands.

There are four land councils in the NT:

- ◆ Anindilyakwa Land Council (Groote Eylandt)
- ◆ Central Land Council
- ◆ Northern Land Council
- ◆ Tiwi Land Council.

## Anindilyakwa Land Council (ALC)

The ALC is the peak representative body for Traditional Owners of the Groote Archipelago.

The Indigenous people of this archipelago are made up of 14 clans who continue to embrace their saltwater culture and strong ceremonial traditions, while cleverly adapting western technologies to suit their needs.

ALC vision goals are;

- ◆ protect the land and sea
- ◆ develop best practice service delivery
- ◆ develop a living cultural economy
- ◆ strengthen community capacity
- ◆ work with all partners
- ◆ future Groote accord.

Mining on Groote Eylandt has delivered numerous benefits to the Anindilyakwa people however mining will not last forever. Setting clear visions and goals around how to transit from receiving mining based income streams to developing sustainable local economies is the foundational goal for the Traditional Owners.

The ALC has an established Infrastructure and Development Branch that is actively supporting the ALC's mission goals through capital infrastructure investment and technical client-side delivery.

## Central Land Council (CLC)

Aboriginal people collectively own more than 417 000 square kilometres of inalienable freehold land across the southern half of the Northern Territory.

The CLC vision is to promote and support Central Australian Aboriginal people's society, country, secured rights, culture and economy to deliver a promising future.

It's statutory functions are mainly established by *Aboriginal Land Rights Act 1976* and the *Native Title Act 1993*.

Details of its objectives and goals can be found in its 2020 Corporate Plan, available on the CLC website at [www.clc.org.au](http://www.clc.org.au)

## Northern Land Council (NLC)

The NLC has regional offices in Katherine, Jabiru, Maningrida, Nhulunbuy, Tennant Creek, Ngukurr, Borroloola, Wadeye and Timber Creek and a head office in Darwin.

Many major resource developments are taking place on Aboriginal land, land subject to Native Title rights and interests, or land and waters over which Aboriginal peoples assert interests.

These developments include mining and exploration projects, the construction of railways, gas pipelines, army training areas, national parks and pastoral activities.

The challenge for the NLC is to ensure that social, economic and cultural benefits flow to Aboriginal peoples from these developments.

Aboriginal peoples are increasingly looking to participate in planning and development activities seeking to protect their culture and integrity.

## Tiwi Land Council (TLC)

TLC provides a continuation of those processes now affirmed in legislation and is a recognised and respected authority for the management, protection and development of Tiwi interests.

TLC has a vision of an independent and resilient Tiwi society built on orderly and well managed use of our natural and human resources by reliance on our own management, maintenance and protection of unique cultural and natural resource values for the enjoyment and benefit of future generations of Tiwi.

The TLC represents all Tiwi people in the protection of our land, sea and environment, while at the same time supporting sustainable economic development to improve Tiwi lives through employment, income, education and health opportunities. Our reputation is founded on our cultural and leadership strengths, following in the footsteps of our visionary leaders.

### **Municipal and Regional Councils**

Local government provides services and maintains facilities for residents and visitors in the Northern Territory within geographical areas where they exercise responsibility as governments under the Northern Territory's *Local Government Act*.

### **Alice Springs Major Business Group**

The Alice Springs Major Business Group (ASMBG) is made up of larger Alice Springs businesses and business leaders whose success depends on the prosperity of the Alice Springs and Central Australian economies and community.

Each of the member businesses have a history of investment in Alice Springs and are committed to its future. Collectively, the ASMBG directly and indirectly employs more than 1700 employees in Alice Springs alone, has invested more than \$120 million in capital over the past five years and has an annual turnover of more than \$500 million.

The group has the capacity to provide advice and guidance for potential investors and collectively identify potential major projects that are beneficial to the economy by informing and working with all levels of government.

### **Darwin Major Business Group**

The Darwin Major Business Group (DMBG) was formed by 14 major businesses in January 2017. It was established for major business to have a strong, coordinated voice to inform and influence government and to share information among member businesses.

DMBG has invested \$2 billion in the Darwin economy in the past five years and has similar investment plans for the next five years. It has a combined employment of more than 6800 full time equivalent workers and its value added contribution is equivalent to six per cent of the Territory's gross state product (GSP).

DMBG members have a record of investment and their future success is strongly linked to the performance of the Darwin and Top End economies.

### **Other Industry Stakeholders**

- Australian Institute of Architects (NT Chapter)
- Association of Architects
- Association of Consulting Engineers
- Australian Council of Built Environment Design
- Australian Institute of Quantity Surveyors
- Building Designers Association
- NT Business Council
- NT Council of Social Services
- NT Seafood Council
- Australian Industry & Defence Network
- Council on the Ageing NT

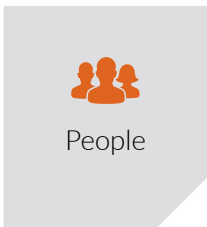
# DEVELOPMENT LEVERS

Six development levers critical to economic and social development, investment and jobs growth in the Northern Territory were identified through the 2016–17 Economic Summits process, and continue to be the focus of government’s policy development and investment in 2021 and beyond.



**Natural resources** includes the land, flora, fauna, soils, water, minerals, oil, gas, waterways, inshore fisheries, coastal areas, the entire biomass in the Northern Territory, and our knowledge about these things. These resources are integral to the Territory’s economic growth and underpin priority sustainable industries, in particular agriculture, energy, mining and tourism.

.....



**People** have a two-fold impact on the economy – they are the consumers of goods and services and are the workforce that supplies labour and knowledge. For our economy to grow, we must increase our population and find ways to engage the future workforce. Helping people re-skill, upskill and reinvent their jobs will be essential going forward and in response to emerging and growth sectors.

.....



**Capital** refers to different types of funding for businesses to invest in required technology, education, plant and equipment that support future growth. Capital also includes investment in the enabling infrastructure that helps the economy function – road, rail, marine and air transport, pipelines, poles and wires, energy, water, buildings and telecommunications networks.

.....



Better **connectivity** is critical to ongoing economic growth to strengthen our supply chains to improve the movement of people, goods and information, as well as connect with people who may exchange information, buy our products and services, or help us build relationships and partnerships to develop or reach markets. New data centres, as well as 4.0 supply chains will feature in the future.

.....



**Enterprise and innovation** occurs when entrepreneurs, universities and governments strive to improve the products and services they deliver. Innovative structures and management strategies can help unlock the latent economic potential of renewable energy and emerging industries, to drive our economy.

.....



A constant focus on improving **liveability** is important to promote the Territory as an attractive place to live, work, study, visit, research and raise families. Unless we can convince other people of this, we will find it difficult to sustain a workforce that can support business growth and grow our population. A small population limits the range of choices available to Territorians and affects the cost of living and the cost of doing business.

# ECONOMIC SECTORS

The sectors in this document provide a snapshot of the challenges for infrastructure delivery, opportunities and investment needs.



Integrated Land Use and Infrastructure Planning



Transport and Logistics



Defence and Related Industries



Energy and Minerals



Agribusiness



Regional Economic Development



Digital



Water



Electricity



Tourism

# SOCIAL SECTORS



Education



Public Safety and Justice



Health



Housing



Art, Culture and Active Recreation

## KEY

**Planned infrastructure projects** are identified in the first two years of Northern Territory Infrastructure Plan (2021–22 and 2022–23)

Commercial in confidence and unknown values are indicated by •

**Proposed infrastructure projects** are identified in the:

- medium term (2023–24 to 2024–25) and
- longer term (2025–26 and beyond).

All medium and longer term expenditure indicators are represented by •

✓ Funding contributions remain subject to final investment decisions.

Sectors also provide a summary of the challenges that will impact future infrastructure provision and identify ways we can respond to these challenges.

Each sector in this document provides a summary of the role infrastructure plays in meeting government objectives and industry and community needs.

Each sector includes a table of planned infrastructure projects identified by region and timeframe to sequence delivery.

Infrastructure projects are at various levels of maturity and many are unfunded. The Northern Territory Government continues to work with the Australian and local governments, as well as private industry, to drive the Territory's future.

# ECONOMIC INFRASTRUCTURE

Economic enabling infrastructure directly supports the economic development of the Territory. It is infrastructure such as transportation, integrated land use, power, water, digital, facilities and services, which directly influence and benefit the economy, and support new or increased productive activities to enable sustainable economic growth.



## Integrated Land Use and Infrastructure Planning

- ◆ Clarify and provide guidance on land access negotiation pathways, focusing on Sustainable Development Precincts
- ◆ Collaborate with stakeholders to introduce statutory timeframes for negotiation on land access, where possible
- ◆ Invest in land capability assessment as part of ensuring access to good precompetitive data



## Electricity

- ◆ Accelerate the steps to ensure the Territory's energy systems are agile and support economic growth
- ◆ Transition remote power systems for the 72 remote communities serviced by the Indigenous Essential Services program, to renewables-based systems by 2030
- ◆ Accelerate energy intensive industry development



## Transport and Logistics (sea, road, rail, air)

- ◆ Build a coalition between industry, business and government to collaborate to improve market connections



## Water

- ◆ Accelerate work to deliver infrastructure solutions for future water demand
- ◆ Undertake continued water exploration and targeted water resource investigation
- ◆ Continue to modernise legislative, policy and institutional settings

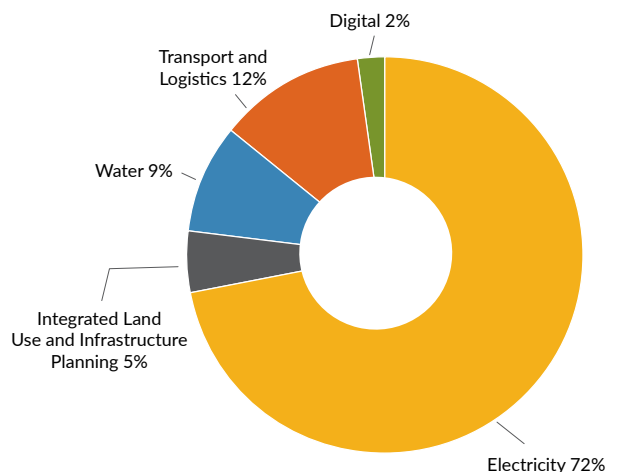
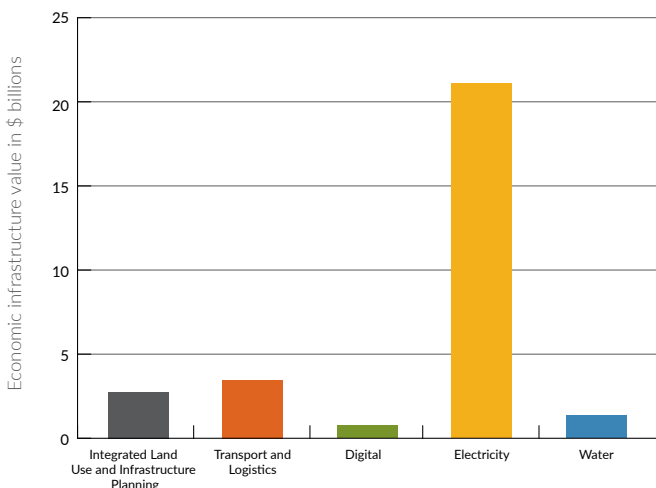


## Digital

Telecommunications infrastructure plays a key role in enabling digital social services such as telehealth, access to arts and culture infrastructure, or remote education and learning.

- ◆ Accelerate the expansion of telecommunication services (mobile and internet) to increase the digital connectivity in regional and remote areas of the Territory

### Total estimate value of economic infrastructure projects in the Plan exceeds \$30 billion



# GROWTH SECTORS

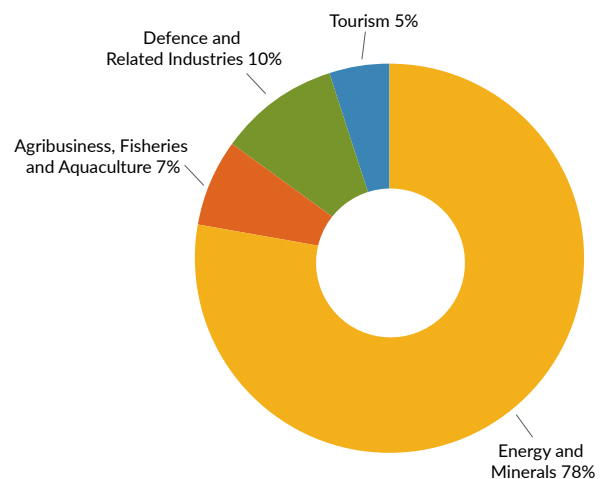
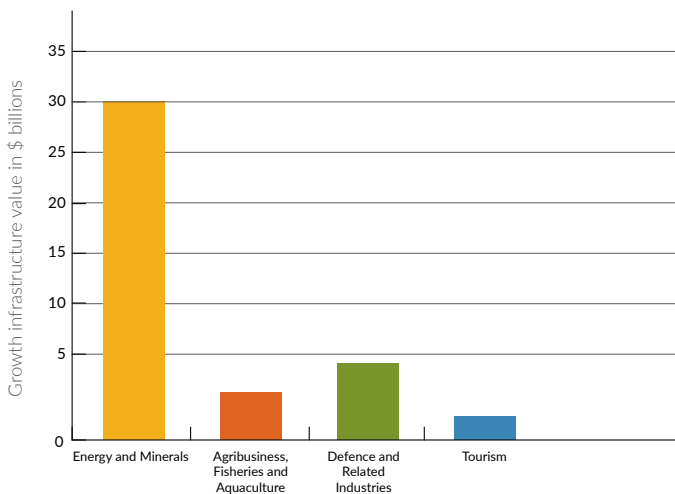
*A combination of private investment, with supporting and enabling public investment will drive industry growth and exports, which will increase retail, construction activity, broader economic growth and jobs.*

The Territory has opportunities to grow the economy through the government enabling private investors in the key growth sectors. Policy, legislation, frameworks, land area master plans and working with industry to help facilitate the capability and capacity of Territory industries to growing the sector.

There are projects in the existing pipeline that will see future investment realised, while new opportunities actively under consideration include mines, minerals processing, agribusiness enterprises, renewable energy exports, further appraisal and potential of onshore and offshore gas developments.

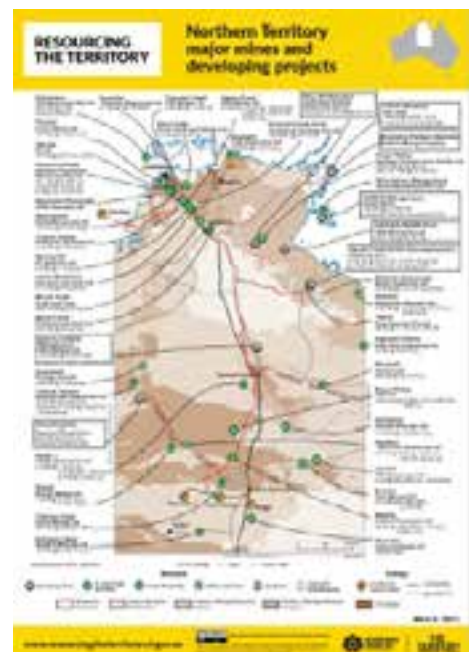
Advanced manufacturing opportunities align with the Australian Government’s Modern Manufacturing Strategy with the Territory’s capability, capacity and natural advantages to include food, renewable based hydrogen, downstream minerals processing, low emissions petrochemicals, defence, space, construction, fabrication and recycling.

## Total estimate value of growth infrastructure projects in the Plan exceeds \$38 billion



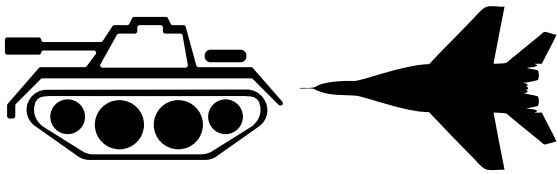
### Energy and Minerals

- ◆ Territory Minerals Development Taskforce to accelerate mining development
- ◆ Increase target exploration activity
- ◆ Work with the mining industry to be future ready
- ◆ Low emissions minerals processing and manufacturing opportunities



### Agribusiness, Fisheries and Aquaculture

- ◆ Sustainable Development Precincts
- ◆ Agribusiness Strategy, focused on commercialisation opportunities across the supply chain
- ◆ Support development of Aboriginal-led industry opportunities
- ◆ Facilitate sustainable development of pastoral land estate and Aboriginal land



**\$8 billion**

**will be spent between 2016 and 2025 for defence infrastructure and facilities in the Territory**



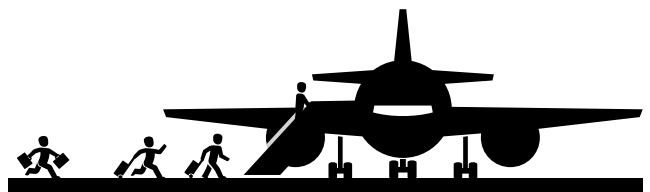
### Tourism

- ◆ Prepare business cases for key Aboriginal cultural tourism icons
- ◆ Develop the Territory's World Heritage Icons with Traditional owners and the Australian government
- ◆ Develop commercial opportunities in the Territory's National Parks
- ◆ Accelerate drive tourism



### Defence

- ◆ Actively partner with Australian Government and industry to deliver strategic infrastructure
- ◆ Partnering with Territory industry to grow capability and capacity to enable delivery of defence work
- ◆ Position the Territory to support defence activities in the north and regions



**By 2030, total overnight visitors to the NT are projected to reach between 2.51 million and**

**3.03 million**

# DECARBONISATION AND SUSTAINABLE INDUSTRY

*Global commitments to net zero emissions by mid-century provide opportunities for the Territory to benefit from developing and promoting decarbonisation supply chains and pathways.*

Initiatives that support decarbonisation and contribute to achieving net zero emissions are an opportunity for the Territory.

The Territory's Economic Reconstruction is progressing development of a decarbonisation plan, including interim targets, that will:

- ◆ deliver growth and net zero targets
- ◆ position itself as a key research and development location for low emissions technology
- ◆ facilitate growth of carbon offsets
- ◆ look to take advantage of the growing demand for zero emissions supply chains.

The Territory Government's target of net zero emissions by 2050 is aligned with that of many nations and every other state and territory in Australia.



**126**

**countries globally committed to net zero emissions**  
Covering **63%** of global emissions

## PRIORITY PROJECTS

- ◆ Darwin Clean Fuels - condensate processing plant
- ◆ Middle Arm Industrial Precinct - gas based manufacturing
- ◆ Coogee - Darwin Methanol Plant

The TERC *Final Report* includes six recommendations to support energy transition and carbon management;

## E1 | ENERGY TRANSITION AND CARBON MANAGEMENT

### **Actively engage with the renewable energy sector to accelerate new renewable energy investment**

Support planning and development with the following key objectives:

- maximise competitiveness of Territory energy supplies
- maximise local opportunities for supply and service
- ensure sufficient volumes of energy are available to underpin and attract new industry growth in the Territory.

## E2 | ENERGY TRANSITION AND CARBON MANAGEMENT

### **Position the Territory for the emerging hydrogen industry by:**

- supporting pilot or demonstration hybrid hydrogen and solar projects, including for remote power micro grids and blending with natural gas in pipelines and generators
- integrating infrastructure and regulatory requirements into master planning
- engaging with key markets and technology providers to highlight the Territory as a location for future large scale projects.

### **E3 | ENERGY TRANSITION AND CARBON MANAGEMENT**

#### **Advance development of transitional gas supplies**

Partner with the Australian Government and industry to develop onshore gas, in particular the Beetaloo Sub-basin to:

- accelerate appraisal of the Sub-basin to determine commercial feasibility
- undertake master planning for critical enabling infrastructure to minimise cost and environmental and social impacts
- manage emissions
- build local business capability and capacity
- undertake workforce development initiatives.

Work with offshore gas operators and owners to secure gas supplies to support industry growth in the Territory.

Implement all of the recommendations from the Scientific Inquiry into Hydraulic Fracturing in the Northern Territory.

### **E4 | ENERGY TRANSITION AND CARBON MANAGEMENT**

#### **Develop and implement a pragmatic and credible decarbonisation plan with interim targets that delivers the Territory's growth and net zero targets**

The plan includes:

- scenario planning and economic modelling to identify pathways for whole economy decarbonisation to inform policy and decision-making and set interim targets to demonstrate progress, including in relation to government operations
- steps to develop the decarbonised economy education programs and public service, industry and business capability programs.

### **E5 | ENERGY TRANSITION AND CARBON MANAGEMENT**

#### **Position the Territory as a key research and development location for low emissions technologies by:**

- creating commercialisation pathways, including collaborating with the Australian Government and industry to expand Emission Reduction Fund methodologies applicable in northern Australia
- accelerating work commenced to investigate carbon capture, use and storage (CCUS) by collaborating with industry, Australian Government and CSIRO
- positioning the Territory to be a 'test bed' for low emissions technologies identified in the national Technology Investment Roadmap.

### **E6 | ENERGY TRANSITION AND CARBON MANAGEMENT**

#### **Facilitate carbon offset industry growth by:**

- finalising the NT Carbon Offset Policy by the end of 2021
- collaborating with the Australian Government and securing joint pathways for decarbonisation, including agreeing to a collaborative implementation approach to offset potential emissions from new projects
- ensuring Territory regulatory settings enable the decarbonised economy, including enabling aggregators to facilitate private investment to deliver across different tenure types.



# ONSHORE GAS INDUSTRY DEVELOPMENT

The Northern Territory is home to untapped onshore gas resources of global scale and potential.

## Onshore Gas Industry Development

The vision for the Northern Territory Gas Strategy is for the Territory to become a world class gas production, manufacturing and services hub by 2030. This includes a 5 Point Plan to grow and diversify the Territory's gas industry to:

1. expand the world-scale Darwin liquefied natural gas (LNG) export hub
2. grow the Northern Territory's service and supply industry
3. establish gas-based processing and manufacturing
4. grow local research, innovation and training capacity
5. contribute to Australia's energy security.

Proven gas reserves offshore have underwritten the construction and operation of three LNG trains in Darwin. When combined these reserves can produce a globally significant 12.6 million tonnes per annum (Mtpa). Darwin now supplies more than 10 per cent of Japan and Taiwan's global LNG imports.

Darwin has land available for five additional brownfield LNG trains. This provides an attractive pathway to market for yet-to-be developed, proven offshore reserves and our potential onshore gas resources.

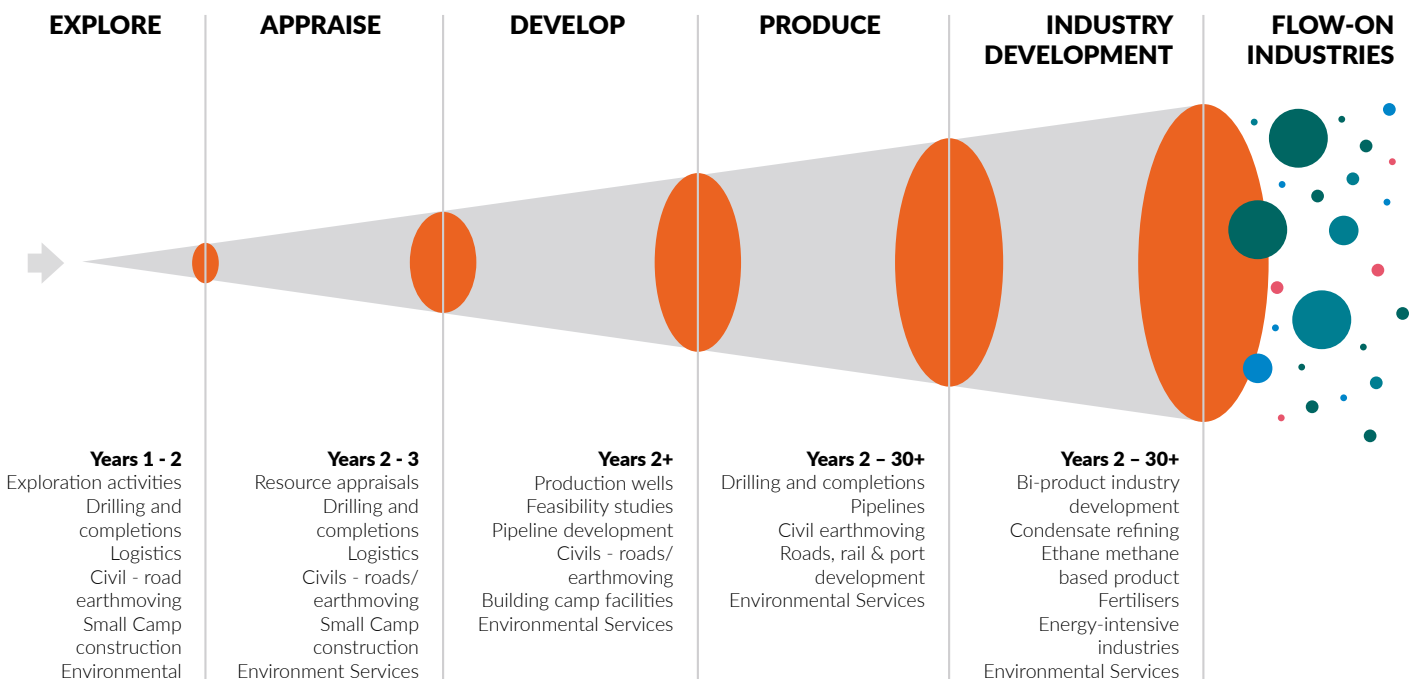
Expanding our LNG production complements the creation of a downstream sector as it delivers economies of scale and lower unit costs.

The Australian and Northern Territory governments have identified gas as a central driver of the economic recovery in response to the global COVID-19 pandemic.

Proving the commercial viability of these resources is underway and the Australian Government has introduced a \$50 million grant program to support the delivery of several additional exploration wells by 2022.

The *Final Report* of the Territory Economic Reconstruction Commission has identified gas as a key sector for economic growth and made recommendations specific to onshore gas. Potential onshore gas industry development is outlined in the graphic below.

## POTENTIAL ONSHORE GAS INDUSTRY DEVELOPMENT



The TERC *Final Report* includes a further recommendation to accelerate the creation of advanced manufacturing:

### **M1 | COMPLETE THE RAPID MASTER PLANNING FOR LOW EMISSIONS PETROCHEMICALS MANUFACTURING**

- ◆ work with upstream gas companies to identify and commercialise feedstock sources to support investment in petrochemical and other gas-based manufacturing projects
- ◆ partner with specialist advisers to support master planning processes that can be used to attract relevant private sector enterprises
- ◆ use industry advisory groups to shape master planning activity to meet industry expectations (this can be time-limited and sector focused)

### **Gas Infrastructure**

The remote location of the primary onshore gas resources of the Beetaloo Sub-basin, which is about 600 kilometres south of Darwin, means the infrastructure requirements to develop the resource are potentially immense. Expanding and extending existing transport infrastructure, such as pipelines, road, rail and air access, will be essential.

Collaboration through the Territory’s Memorandum of Understanding with the Australian Government will help guide and determine the planning, infrastructure, logistics, workforce and service requirements to develop the onshore shale gas industry from the exploration phase through to production.

This collaboration has delivered several studies to inform decision making to support industry development, including:

1. assessment of infrastructure requirements (roads, rail, air, ports and water)
2. identification of pipeline easements
3. assessment of the domestic gas market
4. development scenarios for the Beetaloo Sub-basin
5. Middle Arm Sustainable Development Precinct.

**The Beetaloo Sub-basin and the Middle Arm Sustainable Development Precinct are included as national priorities on the Infrastructure Australia list.**

### **Onshore Gas**

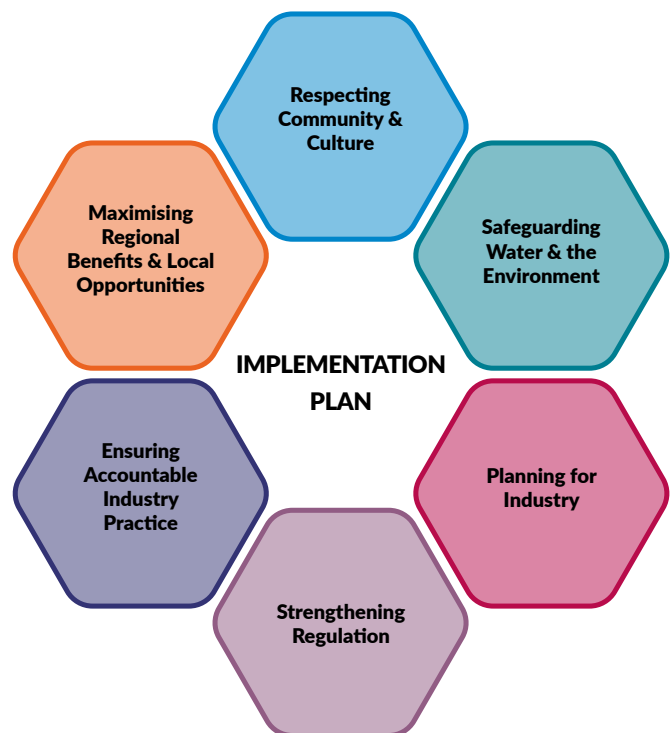
*The Scientific Inquiry into Hydraulic Fracturing in the Northern Territory* (report related to Beetaloo) by the Honourable Justice Rachel Pepper, 2018, has been accepted by the Territory Government with recommendations currently being implemented.

The focus of the government’s Implementation Plan is to:

- strengthen regulation
- ensure industry is accountable for its practices
- safeguard water and the environment
- respect community and culture
- maximise the benefits and opportunities available to local businesses and communities
- ensure planning for future.

Progress on implementing the recommendations of the *Scientific Inquiry into Hydraulic Fracturing* can be reviewed at:

<https://hydraulicfracturing.nt.gov.au>



Existing wells drilled by Origin, Santos and Pangaea, and associated discovery reports, indicate a P50 Gas-In-Place Resource of at least 500 trillion cubic feet (Tcf) for the Beetaloo Sub-basin in the Velkerri B shale alone. There are further prospective layers in the Beetaloo Sub-basin and other basins that are yet to be assessed.

### Expanding the Service and Supply Sector

The LNG industry in Darwin Harbour delivers a demand driven opportunity for Territory businesses to service routine operational and maintenance activities over the life of these projects. Recognising this opportunity, the Territory Government has released the Gas Service and Supply Plan to double local participation in the gas industry supply chain to at least 50 per cent by 2025.

The Territory has invested in critical infrastructure to service the gas sector, including the Marine Supply Base and East Arm Logistics Precinct in Darwin Harbour. The government is working to enhance logistics capabilities with the Darwin Ship Lift Facility, Marine Industry Park and the proposed Middle Arm Sustainable Development Precinct. The emergence of the onshore shale gas industry will present new opportunities of scale and longevity to underpin the service and supply sector for generations to come.

### Potential downstream industry developments

Potential downstream industry developments could include:

- condensate refining
- producing methane based petrochemicals
- manufacturing ethane based products including methanol
- ammonia and ammonium nitrate, urea and other fertilisers that use local phosphate deposits
- energy intensive industries.

Technological advancements promise further opportunities, including the potential to manufacture value added products through Northern Territory facilities.

*“With successful exploration and appraisal, the development of these resources could significantly improve the Territory’s future for decades with the benefits of jobs, local business opportunities, new value adding industries, infrastructure and community investment.”*

### Australian Petroleum and Exploration Association (APPEA) NT



# THE TERRITORY'S FUTURE ENERGY AND GAS MANUFACTURING OPPORTUNITIES

*The Territory Government is planning for the potential future use of Middle Arm in accordance with the Darwin Regional Land Use Plan, to support its gas strategy through the gas taskforce's 5 Point Plan.*

## **Middle Arm Sustainable Development Precinct**

Exploring and preparing for the Territory's future energy and gas manufacturing opportunities was a key recommendation in the TERC *Final Report*, released in December 2020.

It was identified that it is critical the Territory is ready to capitalise on the opportunities the Beetaloo Sub-basin will bring to the economy, once commercial feasibility is proven. Beetaloo Sub-basin's potential for long term gas supply is an opportunity to grow existing LNG gas processing and enable downstream gas activities – an opportunity of national significance for the Northern Territory.

Activities are underway to develop a master plan to establish a low emissions petrochemical industry and other downstream processing and manufacturing for gas based products at the Middle Arm Sustainable Development Precinct. This aligns with the NT Gas Strategy and the Territory's Economic Reconstruction.

This master plan will be the culmination of activities to:

- identify the key drivers of value and products to encourage the development of value adding industries
- plan for key enabling infrastructure including integrating renewable power, industrial processes and technology to minimise waste and emissions
- undertake an environmental assessment of the precinct
- consider demand and revenue forecasts, formulating financial models to guide investment decisions
- inform and consult with industry, community and business stakeholders.

The master plan will be delivered as part of a marketable prospectus for low emissions petrochemicals manufacturing and emerging renewable manufacturing at the Middle Arm Sustainable Development Precinct.

The master plan is anticipated to be delivered in 2022, aligned with the TERC *Final Report* recommendations.

Construction is nearing completion at Middle Arm on Stage 1 of Kittyhawk Estate, which will provide three strategic investment lots for sale. These range in size from one hectare to 16.5 hectares.

## **Tennant Creek to Darwin pipeline and infrastructure corridor prefeasibility study**

The Beetaloo Sub-basin has been identified by industry as a significant gas source that could be economically extracted. A new gas corridor could unlock this potential.

The pre-feasibility study is the pre-planning stage of this development. This study will inform the proposed location of the infrastructure corridor.

The final preferred corridor is subject to engaging with all relevant landowners and key stakeholders. Factors such as sacred sites, Aboriginal land, Native Title, Crown land, environmental considerations, planning considerations, Australian Standards, various Acts and technical requirements will all be considered. Consultation and engagement will be extensive, inclusive and thorough.

The Territory Government is conducting a study to identify a preferred utilities infrastructure corridor from Tennant Creek to Darwin.

The infrastructure corridor will consider co-location a range of potential infrastructure services including multiple high pressure pipelines, services including water, power and communications and electrical transmission lines. The proposed corridor will allow room for above and below ground infrastructure that may be required in the longer term.

## Future use of the corridor

The corridor could be used for pipelines and utilities. The potential width of the corridor will take into account minimum offsets and clearances required for construction, operations and maintenance.

New pipelines will be required as Beetaloo Sub-basin develops as potential gas production will be far greater than the current gas pipeline capacity, even with augmentation.

The corridor aims to facilitate the growth of the natural gas industry in the Territory along with supporting other projects that may require a corridor into the future. Stakeholders will be engaged in stages as the project progresses.

The Territory Government will ensure consultation and engagement is extensive, inclusive and thorough.

## Consultation

Landowners will be notified if their property is on a preliminary alignment in the next phase of the project after detailed investigations, approvals and clearances. The project team will open discussions with affected landowners at this point.

The wider community will be informed about the corridor as the project progresses through:

- further investigations
- options review
- approvals and clearances.

Prior to consulting on a possible infrastructure corridor, due diligence must first be undertaken to ensure the viability of proposed options.

## The corridor route

The most cost effective corridor alignment is a straight route as the cost / kilometre for the combined infrastructure is significant.

The 'best fit' corridor takes into account other constraints including the following key considerations:

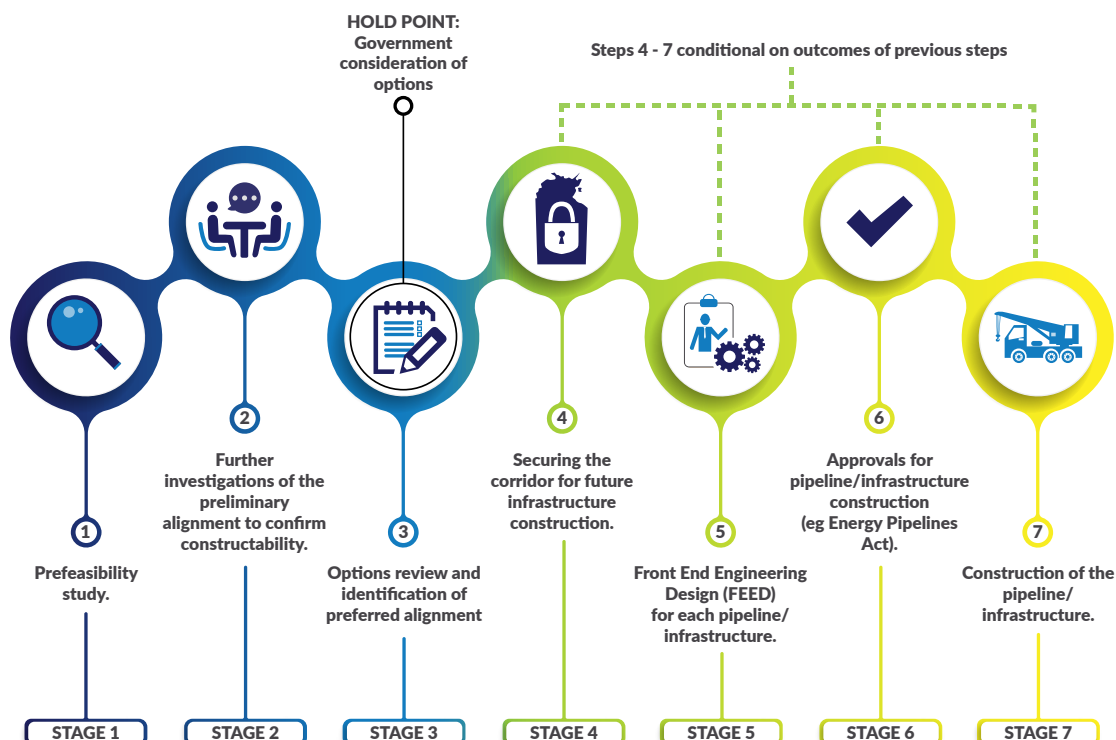
- engineering: elevation, slope, ground conditions and stream / river crossings
- environmental: habitat, endangered flora and fauna and vegetation
- social impact: zoning, land use, cultural heritage, protected sacred sites and tenure
- infrastructure: built environment, utilities and roads.

The final preferred corridor is subject to engagement with all relevant landowners and key stakeholders. Contact will be made with all the potentially relevant landowners that are on the proposed alignment and information provided to the general public about where the project is at.

### For more information please visit

<https://cmc.nt.gov.au/advancing-industry/northern-territory-gas-strategy>

<https://dipl.nt.gov.au/projects>



## The Middle Arm and Beetaloo Connection

The infrastructure corridor has the potential to connect the utilities generated in the Barkly Region through potential solar energy as well as the gas generated from the Beetaloo Sub-basin to Middle Arm. This will make Middle Arm a potential location for a Territory based manufacturing sector.

A reliable and economical source of energy is an incentive for the manufacturing sector to establish a base in Middle Arm and the infrastructure corridor is an important part to realising this potential.

Infrastructure Australia National Priority List includes:

- Middle Arm Sustainable Development Precinct
- Development of the Beetaloo Sub-basin.

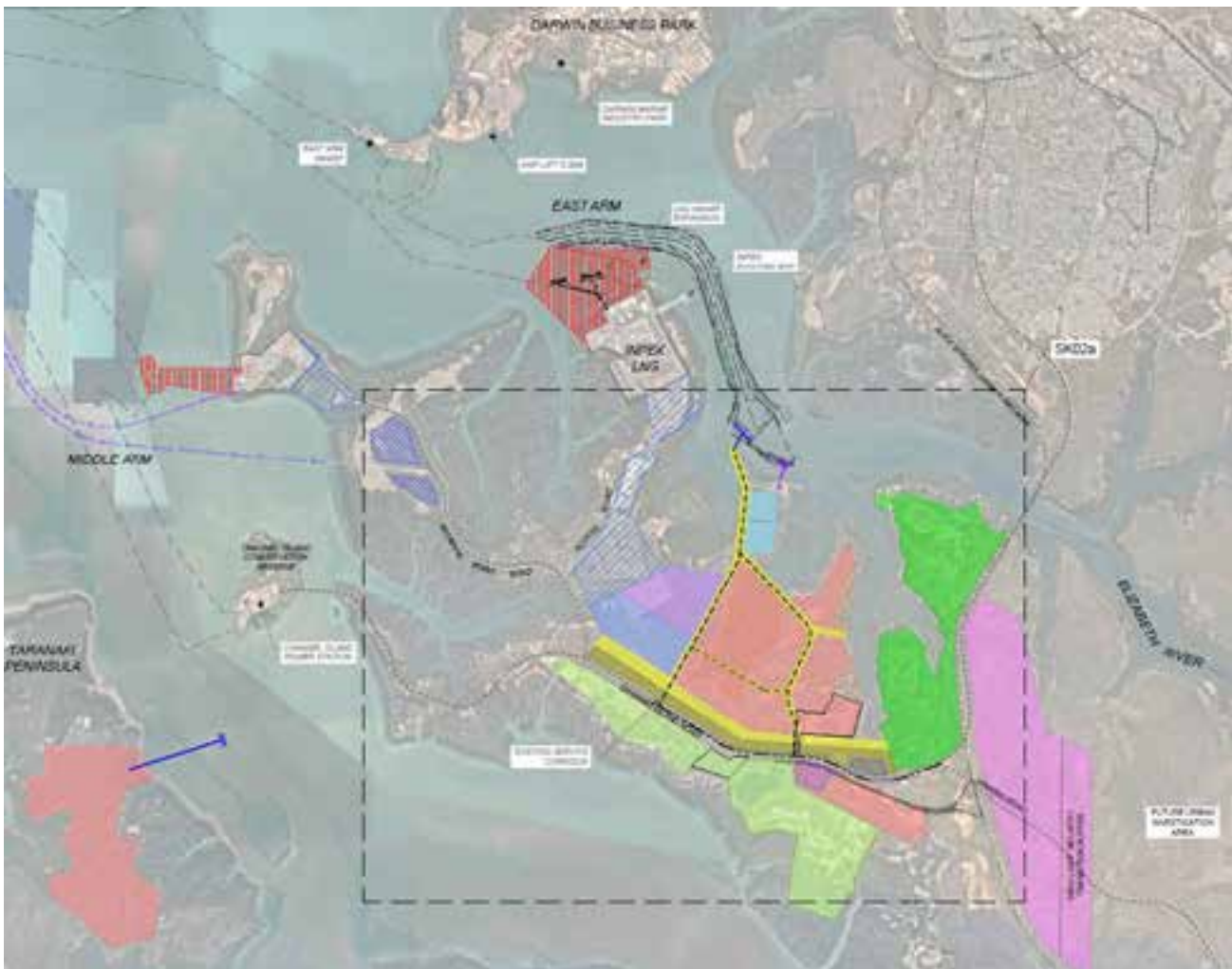
## Beetaloo Roads

The recently announced \$217 million funding – \$43.4 million Northern Territory Government / \$173 million Australian Government – for the roads in the Beetaloo Sub-basin is a significant step forward in realising the potential of the Beetaloo Sub-basin as a world class gas resource.

The Carpentaria and Buchanan Highways, as well as Western Creek and Gorrie Dry Creek roads, were identified in studies undertaken by the Australian and Northern Territory governments as requiring upgrades to support the development of the Beetaloo Sub-basin.

Upgrading these roads has additional benefits in supporting the Territory agribusiness sector, particularly the livestock industry, in this region.

### Preliminary Concept Plans - subject to change



#### LEGEND

<b>EXISTING</b>	<b>PROPOSED</b>	<b>POTENTIAL LAND USE</b>
EXISTING ROAD	RAILWAY & SHANTY	AMMONIA / UREA
EXISTING RAILWAY	RAILWAY & SHANTY OFFLOADING FACILITY	CONCRETE BARRIERS
EXISTING TELEPHONE CORRIDOR	RAILWAY CORRIDOR	COMMON USER AREA
	RAILWAY CORRIDOR	PREDHOLD
	NEW ROAD / HIGHWAY	
	ROAD DUPPLICATION	
	PROJECT CORRIDOR (ON SURFACE OR TRENCHES)	
	POTENTIAL RAIL OPTION SUBJECT TO REQUIREMENTS	
	UTILITIES	
		LAND ELEVATION
		POTENTIAL LAND - METROCHEMICAL INC. HYDROGEN INDUSTRIES
		MINERALS PROCESSING
		POTENTIAL SUPPORT INDUSTRIES

# MARINE INDUSTRY PARK

*The Land Development Corporation partners with the private sector to facilitate growth and investment in the Territory.*

## Northern Australia's Marine Industry Hub

The Marine Industry Park is strategically located on premier waterfront land at East Arm in Darwin.

Centrally positioned on Australia's northern coastline the Marine Industry Park is the only significant vessel servicing point between Cairns in Queensland and Perth in Western Australia. Located within Darwin's deep water harbour, the Marine Industry Park provides a new opportunity to efficiently service vessels operating across northern Australia and the Indo Pacific Region.

The Darwin Ship Lift Facility will form part of northern Australia's largest and most efficient marine servicing hub. The next phase of development includes a 5000 tonne ship lift and serviced lots for marine maintenance.

Opportunities now exist for marine service providers to secure premium sites within the Marine Industry Park. This will put business at the forefront of the Australian Navy's new Regional Maintenance Centre North and implementation of their sustainment initiative Plan Galileo.

The Marine Industry Park is situated 16 kilometres by road from Darwin's central business district and directly adjoins Darwin's East Arm Wharf and Marine Supply Base East Arm, with excellent connections to road, rail, air and sea transport.

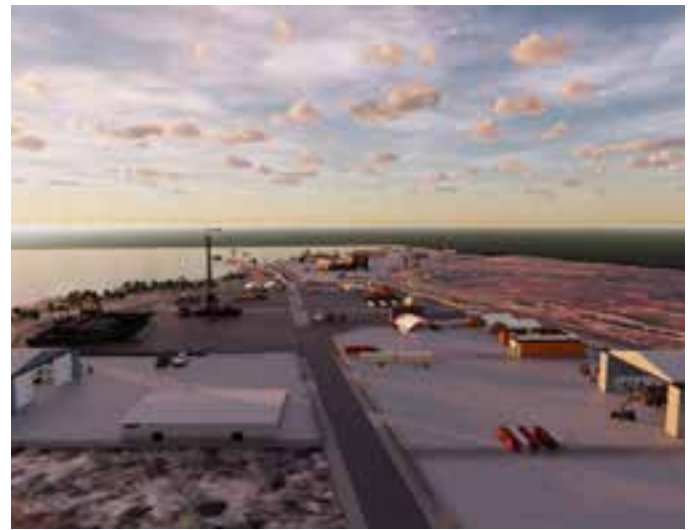
The Northern Territory Government has committed to constructing the largest ship lift in northern Australia. The Marine Industry Park includes a common-use nine hectare hardstand and all-tide barge ramp.

### For more information please visit

- [www.landdevcorp.com.au](http://www.landdevcorp.com.au)
- <https://business.nt.gov.au/investment-and-major-projects/major-projects-in-the-northern-territory/ship-lift-and-marine-industry>

## Serviced Lots

Strategically located in Darwin Harbour, the Marine Industry Park offers a range of lot sizes for development. Serviced industrial lots to accommodate marine maintenance workshops have subdivision planning approval and can be made available to meet demand.



## 5000 tonne capacity Ship Lift

The Northern Territory Government is building the largest ship lift in northern Australia. The Darwin Ship Lift Facility will enable all vessels to be maintained and serviced, including defence and Border Force vessels, private vessels and commercial vessels, including those from the oil, gas and marine industries. It is expected to be operational in 2024.



[enquiries@landdevcorp.com.au](mailto:enquiries@landdevcorp.com.au)

# Integrated Land Use and Infrastructure Planning



*Land use and infrastructure planning is critical to support and plan for future growth.*

Strategic land use planning identifies suitable locations for infill and greenfield development to provide for residential, commercial and industrial growth, infrastructure planning identifies the necessary economic and social infrastructure to support these land uses.

Preparing strategic land use plans for the Territory is the responsibility of the Northern Territory Planning Commission. Plans are produced in consultation with government agencies, industry and the community.

The Planning Commission completed the Central Palmerston Area Plan to support a long term vision for Central Palmerston as a thriving destination that reflects the energy and opportunities of a growing and diverse community.

The Planning Commission has completed the Central Darwin Area Plan, the Central Alice Springs Area Plan, the Katherine East Area Plan and the Tennant Creek Land Use Plan. The Commission has recommended updates to the Litchfield Subregional Land Use Plan as it relates to Gunn Point.

The Territory Government continues its commitment to land use planning and investing in infrastructure to support the growth of our regions. The government is investing in residential and industrial growth in Alice Springs, Darwin and Katherine, including:

- the next residential land release in Holtze and Kowandi to create a diverse urban environment that will support our growing population
- supporting the future growth of Katherine with land in Katherine East continuing to be released for flood free homes
- continuing to provide land for homes in Alice Springs with another stage of Kilgariff Estate being released.

The Territory Government is working to achieve a \$40 billion economy by 2030 with land infrastructure investment to fuel growth and jobs, including:

- the future use of Middle Arm to support the downstream processing and manufacturing of gas and renewable energy based products
- strategic port infrastructure in Gove
- developing Tennant Creek for a multi-modal and agribusiness
- remote housing and essential services in our remote communities.

The Remote Housing Needs Assessment Model (RHNAM) provides information on the level of overcrowding and the areas with the highest priority for housing, which informs requirements for additional serviced land in Aboriginal communities.

Subdivisions and additional lots are developed by working closely with communities using Local Decision Making processes to meet specific community needs.

By supporting growth and planning for additional residential needs in our regional and remote communities, the government is creating sustainable local employment opportunities and supporting economic growth in these areas.

Integrated land use and infrastructure planning provides certainty for the community, land owners and decision makers as it creates a framework to manage and guide growth and development across the Territory.

## Key objectives

Coordinate land and enabling infrastructure planning to support sustainable and orderly development.

Provide creative and innovative infrastructure delivery options that demonstrate value for money and encourage private sector investment.

Deliver land to meet residential, commercial and industrial demand to support sustainable economic development.

Deliver an ongoing program of investment in infrastructure to service land to ensure development ready land is available in advance of acute demand.

Ensure effective management of natural resources for sustainable development and protect the Northern Territory's unique natural, heritage and cultural assets.

## PRIORITY PROJECTS

- Delivering projects across the Territory to facilitate economic development, including:
  - Marine Industry Park
  - Middle Arm Sustainable Development Precinct
  - Katherine Logistics and Agribusiness Hub
  - Katherine East Neighbourhood Centre
  - Alice Springs industrial land
- Land servicing to support the Remote Housing Investment Package
- Developing integrated land use and infrastructure plans across the Territory
- Tennant Creek - Investing in Infrastructure

Project	Prospective Contribution				Total \$m Estimated Cost	Funding (\$m)		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6-10+)	
<b>Territory Wide</b>										
Remote Housing Investment Package - land servicing for: <ul style="list-style-type: none"> <li>- new subdivisions</li> <li>- infill lots</li> <li>- headworks</li> </ul>		✓			432	95	95	•	•	 Develop and release land to support housing for a growing population, reduce overcrowding and improve health outcomes
Infrastructure planning towards developing a gas and strategic mineral industry	✓	✓		✓	25	5	5	•		 Infrastructure planning to support downstream gas and petrochemical manufacturing and strategic minerals processing
Support the development of land <ul style="list-style-type: none"> <li>- infrastructure for growth</li> <li>- planning</li> <li>- concept development</li> <li>- detailed design</li> </ul>		✓			•	8	•	•	•	 Enable economic development and population growth
Regional waste management and recycling facilities	✓	✓	✓	✓	•	1			•	 Support improved waste management and recycling processes

A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

^ Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
General Industry subdivisions		✓		✓	35	8			•	Economic sustainability within remote communities
Brewer Estate General Industry Development		✓			30				•	Enable economic development
Kilgariff Area Plan - new estates - stage 2A - stage 3		✓			25	12	•	•	•	Enable economic development and population growth
Arlparra - subdivision and community infrastructure	✓				16	•				Support land development and release to provide housing for a growing population to improve health outcomes
Alice Springs - new infrastructure to mitigate flooding		✓			10	10	•			Improve community safety and reduce the damage, disruption and costs associated with major flood events
Commercial Precinct - 7 Mile aerodrome				✓	10				•	Enable economic development
Ti Tree land development		✓			4			•		Enable economic development and population growth
Mt Johns Valley Area Plan - infrastructure plan and delivery		✓		✓	•			•	•	Enable economic development and population growth
Larapinta Area Plan - infrastructure plan and delivery		✓		✓	•				•	Enable economic development and population growth
<b>Barkly</b>										
Tennant Creek Area Plan infrastructure plan and delivery - industrial - residential		✓		✓	12			•	•	Enable economic development and population growth
Elliott land development		✓			4			•		Enable economic development and population growth



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Katherine Region (Big Rivers)</b>										
Katherine Logistics and Agribusiness Hub (inland port) ^		✓		✓	50	29	•	•	•	  Support development of Katherine as an inland port
Infrastructure plan and delivery to support Katherine East Neighbourhood Centre	✓	✓			16	6	10		•	  Enable economic development and population growth
Land development - Borroloola - Mataranka - Timber Creek - Pine Creek		✓			14	3		•	•	  Enable economic development and population growth
Katherine Region - new infrastructure to mitigate flooding	✓	✓			11		•	•		  Improve community safety and reduce the damage, disruption and costs associated with major flood events
Kalkarindji – headworks and subdivision for residential, commercial and industrial land		✓			8	4		•		  Enable economic development
Katherine East residential land release - flood mitigation - headworks		✓		✓	•	10		•		  Enable economic development and population growth
Katherine East Industrial Area Plan - infrastructure plan and delivery		✓		✓	•			•	•	  Enable economic development
<b>East Arnhem</b>										
Numbulwar residential and community subdivision			✓		•			•		  Enable economic development and population growth
<b>Top End</b>										
Batchelor Airport - provide serviced commercial allotments	✓	✓	✓		10			•		  Local economic development, satisfy existing and future industry demand
Infrastructure planning - Cox Peninsula - Weddell		✓		✓	•	•	•	•	•	  Enable economic development and population growth
Gunn Point Peninsula development - planning - development		✓		✓	•	•	•	•	•	  Provide significant development opportunities in the area
Tiwi Islands - develop greenfield sites for aquaculture, agriculture, tourism and industrial purposes		✓		✓	•		•	•	•	  Support the development of local industry and create a sustainable economy

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
The Heights Durack				✓	160		•	•	•	 Enable economic development and population growth
Zuccoli Aspire - Stage 3, 4 and 5 - 1180 lots - neighbourhood centre				✓	150	20	20	•		 Enable economic development and population growth
Zuccoli Village - Stage 1 - a joint venture with a private developer to deliver lots for sale		✓		✓	80	10	•	•		 Enable economic development and population growth
Infrastructure plan and delivery - Coolalinga - Howard Springs		✓		✓	42			•		 Enable economic development and population growth
Holtze and Kowandi Area Plan - infrastructure plan and delivery	✓	✓			38	•	•	•	•	 Planning for over 5000 dwellings, supporting economic development and population growth
Zuccoli and surrounds Community Hub		✓	✓		20	•	•	•		 Provide facilities, parks and public use areas in Zuccoli and surrounds
Holtze Industrial Estate		✓			18		•	•	•	 Support the development of local industry and create a sustainable economy
Middle Arm Sustainable Development Precinct - Kittyhawk estate - Channel Island Road intersection and access		✓			9	1		•		 Enable economic development
Zuccoli - high voltage feeder		✓			2	1				 Enable economic development and population growth
Zuccoli Mitchell Creek Green - Stage 2				✓	•	•				 Enable economic development and population growth
Farrar West - future residential subdivision				✓	•			•	•	 Enable economic development and population growth
Holtze and Kowandi residential subdivision		✓		✓	•			•	•	 Enable economic development and population growth



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Education and Community Precinct - including a new Charles Darwin University campus in the CBD^	✓	✓		✓	225	108	•	•		 Unlock business and industry development opportunities and create a safe and vibrant place for people to enjoy
Berrimah Industrial Estate - warehouse / showroom developments				✓	100	•	•	•		 Increase availability of quality light industrial premises
Darwin Corporate Park - commercial office spaces - increase car parking - stage 2 (building 5) - stage 3 (building 6 and 7)				✓	65	•		•	•	 Increase availability of quality office space
Berrimah Business Park - showroom developments				✓	60	•	•	•		 Increase availability of quality commercial premises



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Berrimah North Area Plan - infrastructure plan and headworks		✓		✓	34	13	•	•	•	Enable economic development and population growth
Marine Industry Park		✓			30	10		•	•	Support the development of local industry and create a sustainable economy
Darwin Inner Suburbs Area Plan - infrastructure plan and delivery		✓		✓	30	2		•	•	Enable economic development and population growth
Wishart Estate - including Truck Central and stages 2-9		✓		✓	22			•	•	Enable economic development
Frances Bay Marine Facilities - lock replacement and upgrade^		✓			20	20	•	•		Support economic growth and improve safety
Stormwater upgrades			✓		15	2	•	•	•	Improve community safety and reduce the damage, disruption and costs associated with stormwater issues
Stuart Park - demolish old and revitalise land to commercial		✓			11				•	Enable economic development
Shoal Bay Waste Management Facility - landfill upgrade	✓		✓		10	10				Support population growth



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Darwin Waterfront - headworks infrastructure - critical infrastructure upgrades - landscaping works		✓		✓	7	7				  Enable economic development
Casuarina - fast food restaurant redevelopment				✓	4	4				  Redevelop and reinvigorate the area
Extension of Ludmilla Creek and Kulaluk trunk drains		✓			3			•		  Improve safety and reduce the damage, disruption and costs associated with major flood events
Northcrest Berrimah - headworks - new residential subdivision - neighbourhood centre - school				✓	•	•	•	•	•	  Enable economic development and population growth
Marrara - new residential estate in two stages				✓	•	•	•	•		  Provide contemporary urban housing options
Larrakeyah - multi dwelling development				✓	•	•	•			  Provide contemporary urban housing options
Lee Point residential subdivision	✓			✓	•			•	•	  Enable economic development and population growth
Greater Darwin Regional Waste Management Facility		✓	✓		•			•	•	  Support population growth
Muirhead - mixed use commercial development including serviced apartments and a family bistro				✓	•	•	•			  Increase commercial diversity



# Transport and Logistics



*Transport infrastructure is a fundamental enabler of the Northern Territory's economic development and social wellbeing, providing a vital connection between the Territory's remote, regional and urban areas, as well as access to domestic and international markets.*

Quality infrastructure to support connectivity has a direct relationship to the Territory's ability to stimulate commerce, trade and the economy, and ultimately gross domestic product (GDP) growth.

Investing in key enabling transport infrastructure is essential to drive this growth by supporting the sustainability of existing industries, exploring new opportunities and creating jobs.

The Northern Territory's key industries – mining, tourism, defence, maritime, cattle, agribusiness, aquaculture – rely on quality transport infrastructure, effective and reliable logistics supply chains and transport links to access markets to remain competitive and viable.

Territorians living in remote and regional areas rely on transport infrastructure to access essential health, housing and education services and job and business opportunities.

The Northern Territory's transport network is extensive and is made up of roads, ports, barge landings, airports, aerodromes and railways. Roads make up the largest component of this network, with more than 36 000 kilometres of national highways, arterial and local roads spread across the Territory's vast area.

The continued investment in arterial roads and national highways focuses on barriers to effective freight movement by addressing pinch points and safety issues and improving quality and reliability.

Investing in the key freight corridors that connect major agricultural areas and mining resource regions to major centres, ports, airports and other transport hubs creates:

- improved travel times
- improved efficiency for freight access to ports, inter-modal facilities and markets for agriculture and resource industries
- improved connectivity for regional communities
- improved access to essential services such as health and education and greater opportunities for tourism
- economic benefits for regional communities by supporting jobs in regions and greater opportunities for business growth.

Improving the safety of transport infrastructure is a high priority. Programs are in place to conduct safety reviews and audits to support investment planning and asset management programs to extend the life of the Territory's extensive transport infrastructure network.

*"The establishment of an onshore gas industry in the Northern Territory will require the drilling of wells, supported by the construction of roads and access tracks, the installation of well pads, accommodation facilities, production facilities, and pipelines for transporting the gas."*

**Australian Petroleum and Exploration Association (APPEA) NT**

## PRIORITY PROJECTS

- **Beetaloo logistics** – upgrade the Carpentaria and Buchanan highways, Western Creek and Gorrie Dry Creek roads to two lane sealed standard to support the development of the world class resource and gas industry, as well as mining and pastoral industries
- **Ship Lift and Marine Industry Facility** – construct the largest ship lift in northern Australia to enable maintenance and servicing of defence, Border Force, commercial and private vessels
- **Road Safety Program** – improve the safety across the Territory Government managed road network
- **Central Arnhem Road** – providing a sealed link from the national highway network to Arnhem Land and Nhulunbuy
- **Kakadu National Park and Jabiru roads upgrades** – upgrading access roads to park attractions and upgrades and new roads in Jabiru
- **Tanami Road** – key connection to Western Australia and mining resources in the Tanami Region

## Key objectives





Drive economic growth by providing efficient freight networks that meet industry needs and support increased productivity and reduced costs.

Improve transport safety by maintaining and upgrading existing infrastructure and consider user and operator safety when developing new transport and logistics infrastructure.

Provide improved connectivity to support equitable access for Territorians in regional and remote areas to enhance social inclusion, development and enable service delivery.

Enhance asset management by maintaining and rehabilitating infrastructure to improve network resilience and reduce whole of life costs.

Integrate land and transport planning to protect corridors for the future and ensure planning provides for effective connection to transport hubs and major activity centres.

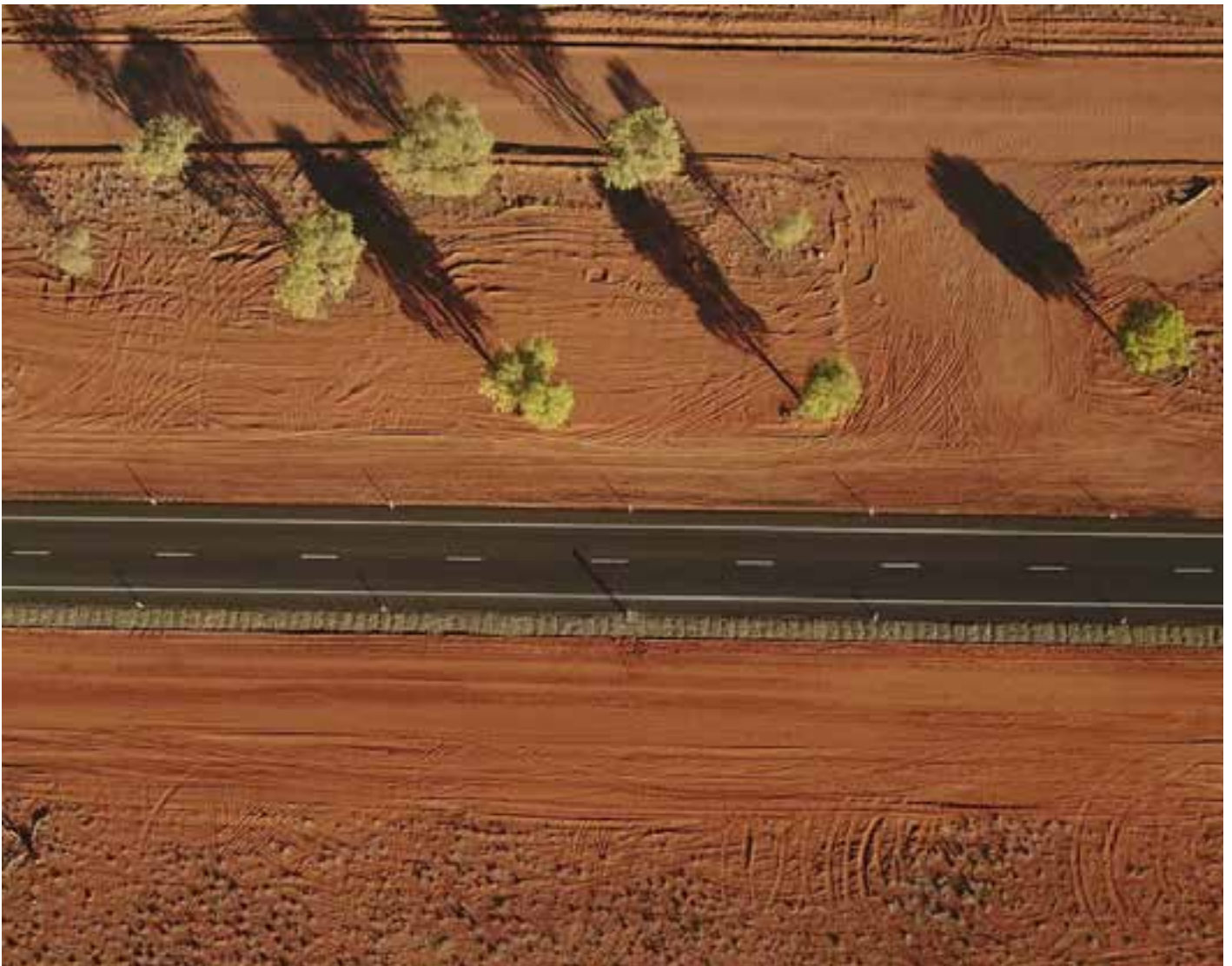
Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
<b>National Network</b>										
Roads of Strategic Importance - Stuart Highway upgrades	✓	✓			162	4	●	●	●	 Economic enabler and key national freight route between the Territory and the rest of Australia
COVID-19 Stimulus - targeted road safety projects	✓	✓			59	42				 The Australian and Northern Territory governments supporting infrastructure construction jobs across the Territory
National Network upgrades - Road Safety Program	✓	✓			●	32	●	●	●	 Improve road safety, making all road users safer, reducing the rate of fatality and serious injury on Territory roads
<b>Territory Roads</b>										
Local fishing and tourist roads - new works and upgrades		✓	✓		21	3	●	●		 Support recreational and tourism activities
















A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

^ Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.



























Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
<b>Local Government Roads</b>										
Roads to Recovery Program - targeted local roads	✓				12	•				 Support safety and connectivity through improved local roads
Access roads to barge landings and aerodromes	✓	✓			•		•	•	 Improve all weather access to support growth and improve community safety	
<b>Transport Assets</b>										
Marine infrastructure and barge landing		✓			100	5	•	•	•	 Support economic development by improving all weather access and goods handling facilities
Aerodrome and airstrip upgrades	✓	✓			68	2	3	•	•	 Improve all weather access to support future growth
Public Transport - upgrade bus stops, bus interchanges and CCTV		✓			20	2	2	•	•	 Improve community safety














Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
<b>Territory Roads</b>										
Roads of Strategic Importance - Tanami Road - upgrade to a sealed standard (excluding WA section)	✓	✓			400+	24	•	•	•	 Economic enabler for the mining industry and key national freight route between the Territory and the rest of Australia
Roads of Strategic Importance - Maryvale Road - improve the road standard	✓	✓			128	10	28	•		 Economic enabler and key national freight route between the Territory and the rest of Australia
Sadadeen Road connector	✓	✓			27			•	•	 Improve flood immunity in the Mount Johns Valley and Desert Springs areas
Outback Way - upgrade the Plenty Highway	✓	✓			27	27			•	 Enable mining, pastoral, cattle and tourism growth by connecting Queensland through the Territory to Western Australia
Outback Way - improve the road standard of Tjukururu Road	✓	✓			26		•	•		 Economic enabler for the mining, pastoral, cattle and tourism industries
Santa Teresa - all weather road upgrades		✓			5			•		 Support delivery of essential services to regional and remote communities
Ross Highway to Trepina Gorge - extend the seal on access road	✓				2				•	 Improve access to support the tourism industry
Seal access into Redbank Gorge from Namatjira Drive	✓				1				•	 Improve access to support the tourism industry
Sandover Highway - sealing selected sections		✓			•				•	 Supports community access and the cattle industry
<b>Local Government Roads</b>										
Ilparpa Road including path		✓	✓		8	•				 Improve safety
Roads of Strategic Importance - Adelaide to Darwin Corridor - Schwarz Crescent	✓	✓	✓		8	5				 Economic enabler and key national freight route between the Territory and the rest of Australia
<b>Transport Assets</b>										
Truck Stop - corner of the South Stuart Highway				✓	25			•		 Enable economic development
Asia Pacific Storage and Maintenance Facility				✓	•	•				 Respond to increase demand for storage and maintenance services from national and international airlines
Whittaker Street transport terminal				✓	•				•	 Enable economic development
Ti Tree Transport and Horticultural Hub ^	✓	✓		✓	•		•			 Support service delivery within the region and development of the horticultural sector

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
<b>National Network</b>										
Roads of Strategic Importance - Barkly Highway upgrades	✓	✓			70	1	8	•	•	 Economic enabler and key national freight route between the Territory and Queensland
Tablelands Highway - bridge upgrade	✓	✓			6	6				 Support economic development of the cattle industry
<b>Territory Roads</b>										
Wollogorang Road - improve the road standard		✓			15			•	•	 Support economic development of the cattle industry
Devils Pebbles - seal access	✓	✓			7				•	 Improve access to support the tourism industry
Barkly Stock Route - improve the road standard	✓	✓			6				•	 Support economic development of the cattle industry
<b>Local Government Roads</b>										
Tennant Creek council roads - new bike path with lighting - weighbridge and office - Ambrose Street footpath - Karguru Road footpath - upgrade street lighting		✓	✓		4	1	•			 Enhanced liveability through improved community facilities
Alpurrurulam - seal road to airstrip			✓		1			•		 Improve connectivity and unlock the potential for future development



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)		
<b>Katherine Region (Big Rivers)</b>											
<b>National Network</b>											
Roads of Strategic Importance - Victoria Highway upgrades	✓	✓			40	13	5	•	•	 	Economic enabler and key national freight route between the Territory and the rest of Australia
Truck Bay on Victoria Highway		✓			2		1	•		 	Increase capacity for commercial transport
<b>Territory Roads</b>											
Roads of Strategic Importance - upgrade Buchanan Highway, Western Creek Road and Gorrie Dry Creek Road to two lane sealed standard	✓	✓			217	58		•	•	 	Beetaloo Logistics, supporting economic development of the mining, cattle and tourism industries and improve community access
Carpentaria Highway - progressively widen and seal from one lane to two lanes and improve flood immunity	✓	✓			150	10		•	•	 	Support economic development of the onshore gas mining, cattle and tourism industries and improve community access
Buntine Highway - improve the road standard and extend the seal towards Western Australia	✓	✓			125	20	25	•	•	 	Support economic development of the cattle and tourism industries
Nathan River Road - improve flood immunity	✓	✓		✓	60				•	 	Improve access to support the tourism industry
Savannah Way - Roper Highway sealing selected sections	✓	✓		✓	56	11		•		 	Support economic development of the cattle, mining and mineral exploration industries
Lajamanu Road - capacity improvements and upgrades		✓			10		2	•	•	 	Support delivery of essential services to regional and remote communities
Gorge Road - upgrade Maud Creek Crossing		✓			6		6			 	Improve access to support the tourism industry
Katherine East Arterial - extending Chambers Drive to Gorge Road		✓			6		6			 	Support economic development through future land development
Douglas Daly Connector Road	✓	✓			•				•	 	Support agriculture, tourism and the community
<b>Local Government Roads</b>											
Victoria Daly - improve internal Council roads			✓		18			•	•	 	Safe community
Emungalan Road Leight Creek Bridge construction	✓	✓	✓		4	4				 	Improve flood immunity

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>East Arnhem</b>										
<b>Territory Roads</b>										
Central Arnhem Road upgrade	✓	✓			650	36	•	•	•	 Improve regional and remote connectivity and support the cattle and tourism industries
Arnhem Link Road (Top Road or West Arnhem Road) improve road standard	✓	✓			11	8	5			 Improve regional and remote community connectivity with an alternate route to Nhulunbuy
Numbulwar Road - improve the road standard including Phelp River crossing		✓			10		10	•		 Support delivery of essential services to regional and remote communities
<b>Local Government Roads</b>										
Angurugu - internal roads upgrades	✓		✓		3		•			 Enhance liveability through improved recreation facilities
Yanbakwa Road upgrade				✓	2		•			 Improved community safety and connectivity
Gapuwiyak gravel network - resurface and drainage upgrades			✓		1		•			 Enhance liveability through improved recreation facilities
Ramingining - barge road resurface and drainage upgrades			✓		1		•			 Improve community safety and connectivity
<b>Transport Assets</b>										
Gove Port infrastructure^	✓	✓		✓	15				•	 Underpin the development of the agribusiness, fisheries and aquaculture industry to service the community and export markets
Numbulwar Freight Hub	✓	✓	✓		4		•			 Enhance infrastructure to support development
Angurugu, Galiwinku and Milyakburra Airports - new public toilet blocks	✓	✓	✓		1		1			 Enhance liveability through improved facilities
Arnhem Space Centre				✓	•	•	•			 Provide access to space for commercial, research and government organisations












Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
<b>Territory Roads</b>										
Roads of Strategic Importance - Port Keats Road upgrade including Saddle Rail crossings	✓	✓			172	8	24	•	•	 Economic enabler for the extractive industry and key national freight route between the Territory and the rest of Australia
Arnhem Highway Adelaide River Floodplain stage 1 and stage 2 (Beatrice Hill)	✓	✓			99	16	•			 Improve flood immunity at the Adelaide River crossing
Kakadu Roads - improve access to Kakadu National Park during the wet season	✓				70	15	•	•		 Improve access to support tourism growth
Arnhem Highway - upgrades (other than Adelaide River Floodplain)	✓	✓			20			•		 Support economic development of the tourism, defence, mining, extractive and livestock industries
Bynoe Harbour - provide sealed access to the Project Sea Dragon facility at Point Ceylon	✓				7		•			 Support land release and aquaculture activities




Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
<b>Local Government Roads</b>										
Tiwi Islands roads - upgrades to support economic and social development	✓	✓	✓		75	37	•	•	•	 Support economic development of the region, improving connectivity
West Arnhem Regional Council infrastructure - sealing roads - LED street lighting	✓	✓	✓		17	3	3	•	•	 Improve road infrastructure to ensure a safe community
Woodycupaldiya Road - full upgrade	✓	✓	✓		8	•	•	•		 Provide access to several townships all year round. Current road dangerous and cut off during wet season townships unable to receive supplies
West Daly Region roads - Wadeye community and Airport roads - Emu Point all year access - Peppimenarti Road shoulders	✓	✓	✓		4	•	•	•		 Improve access, provide safe carriage
Mandorah bike paths - new and upgrade beach access		✓	✓		4		2	•		 Enhance infrastructure to support development
Wagait - re-sheet all sealed roads in the estate	✓	✓		✓	3	3				 Enhance infrastructure to support development
<b>Transport Assets</b>										
Mandorah - new marine facility		✓			50	48	•			 Improve safety for ferry passengers and enables the service to grow to meet demand
Batchelor Airport upgrade	✓	✓			8			•	•	 Support connectivity and improve all weather access to support future growth
Wadeye (Port Keats) - airstrip pavement and seal widening	✓	✓			3	•				 Support connectivity and improve all weather access to support future growth



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
<b>National Network</b>										
Pinelands Industrial Precinct access	✓	✓			31	5		•		 Provide better heavy vehicle access into Pinelands Industrial Precinct
<b>Territory Roads</b>										
Construct new two lane link from Tiger Brennan Drive to Kirkland Road	✓	✓			60				•	 Support future land development
Coolalinga traffic management - commercial precinct	✓	✓			28	10	8			 Improve safety and connectivity in and around the Coolalinga commercial precinct
Roystonea Avenue - complete road to Elrundie Avenue		✓			4			•		 Provide increased north-south capacity to cater for residential development
Cox Peninsula Road - upgrade intersections to improve capacity and safety		✓			3		2	•		 Support development of the extractive industry
Woodlake Boulevard - upgrade Kirkland Road intersection		✓			3		3			 Enhance safety, accessibility, connectivity and amenity
<b>Local Government Roads</b>										
Girraween Road – duplication between Stuart Highway and Anglesey Road	✓	✓	✓		30			•	•	 Network capacity improvement
Roads of Strategic Importance - upgrade and seal selected mango roads	✓	✓	✓	✓	21	8		•	•	 Economic enabler for the mango industry and key freight route between the Territory and the world
Litchfield area bridges - Bynoe, Virginia and Elizabeth Valley Roads	✓	✓	✓	✓	8			•	•	 Improve all weather vehicle access
Road re-sealing in the Litchfield municipality			✓		8	1	1	•	•	 Improve vehicle access
Finn Road pavement upgrade		✓	✓		5			•		 Support extractive industry development
Power Road - pavement reconstruction and safety improvements			✓	✓	1	•				 Improve safety and all weather access

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
<b>Territory Roads</b>										
McMillans Road - capacity improvements and upgrades - traffic lights at Kalymnos Drive	✓	✓			136	16	5	•	•	 Improve network connection
Tiger Brennan Drive - overpass at Berrimah Road - intersection grade separations at various locations	✓	✓			100	55	•	•	•	 Improve network connection
Berrimah Road duplication - capacity improvements	✓	✓			60			•	•	 Improve network capacity and safety for increased traffic into the port
Vanderlin Drive - capacity improvements and upgrades		✓			37			•	•	 Provide north-south capacity improvement for access from the northern suburbs
Bagot Road - Osgood Drive intersection - capacity improvements and upgrades		✓		✓	32	•	5	•		 Enable airport development and improve network connection and safety
McMinn Street - duplication from Daly Street to Bennett Street		✓			30				•	 Provide capacity improvements for Darwin CBD circulation and relieve congestion
Amy Johnson Avenue - begin progressive duplication		✓			28				•	 Provide commuters with an alternative connector from northern suburbs to Darwin CBD
Trower Road - capacity improvements and upgrades		✓			10			•		 Improve network connection
Royal Darwin Hospital - access improvements - road repairs - pedestrian access upgrade		✓			10		7	•		 Improve access to and around the hospital campus for patients, carers and staff
Export Drive - improve flood immunity		✓			5				•	 Improve safety and access associated with flooding



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
<b>Local Government Roads</b>										
City of Colour - streetscapes	✓		✓		54	•	3	•		 Network improvement and beautification
Council road resurfacing and renewal			✓		24	2	2	•	•	 Network improvement and improve road safety
Dick Ward Drive - full pavement rehabilitation - stormwater upgrade - beautification - upgrade four intersections			✓		24	•		•		 Enhance the amenity of local streets
Stormwater upgrades and reconstruction			✓		16	1	1	•	•	 Enhance the amenity of local streets
Lee Point Road - upgrade - duplication - improve safety and amenity	✓		✓		10	•	3	•		 Network improvement and improve road safety
Boulter Road urban cross section upgrade			✓		6			•		 Network capacity improvement and improve road safety
Dinah Beach Road - upgrade to urban cross section			✓		3			•		 Network capacity improvement and improve road safety
Driveway Program			✓		2	•	•	•	•	 Enhance the amenity of local streets
Chin Quan Avenue upgrades			✓		2			•		 Network capacity improvement and improve road safety
<b>Transport Assets</b>										
Ship Lift Facility^		✓		✓	400	88	•	•		 Provide a common user facility for the general maritime sector and Department of Defence
Airport Development Group - diesel storage facility	✓			✓	60			•		 Part of the Australian Government's Boosting Australia's Diesel Storage Program
East Arm - warehouse expansion				✓	5	•				 Increase capacity to meet the Territory's population growth

# Digital



*Connectivity is required to enable digital transformation, increase business productivity, improve health and education outcomes and provide access to global supply chains.*

Access to digital infrastructure is critical to improve economic, social, health and education outcomes. Telecommunications is an essential service and an enabling technology that connects people. Digital inclusion is recognised as one of the key social challenges facing communities worldwide.

The key to digital transformation in the Territory is adopting technology that will transform services and businesses. We need to build our digital capacity to drive innovation in the way we deliver services throughout our urban, regional and remote communities.

New and alternative technologies have the potential to open possibilities, enabling communities to become less bound by physical location or remoteness and to participate in the broader virtual community.

Telecommunications infrastructure underpins every aspect of modern life – supporting growth, improving resilience and increasing productivity.

Our urban and remote communities need to have robust and scalable core infrastructure to deliver affordable connectivity solutions.

Government and industry are working together to expand telecommunications infrastructure into more remote locations to provide the foundation that underpins the development of digital skills, jobs and businesses.

Work is underway to support digital industry growth in the Territory, including enabling projects such as creating Terabit Territory, landing international telecommunications connections to Darwin and establishing a Data Centre Park.

Equitable access to digital technology and telecommunications can create new economic opportunities.

Building Terabit Territory will place the Northern Territory as a digital leader in telecommunications

infrastructure Australia-wide. The project will be delivered in partnership with industry.

The Northern Territory Government has committed \$7.9 million to upgrade the Territory's fibre optic network to deliver super fast speeds of 20 terabytes per second, vastly improving capacity and reducing the price to transmit data interstate.

A sub-marine fibre optic cable will be constructed between Darwin and Singapore, providing the Territory's first direct international data connection and supplementing Terabit Territory. This new cable will position the Territory as Asia's tech-gateway to Australia, attracting new industries, encouraging investment in the Territory by multi-national corporations and driving the creation of commercial data centres.

Digital transformation is inspiring innovation and global connectivity, developing opportunities for small business, creating jobs and connecting people and the community. Digital advances will help expand social networks, improve community safety, help reduce red tape to make it easier to do business with government and shape the Territory's digital economic future.

Investment in digital technology and capability from the private sector and all levels of government is needed to:

- improve telecommunications access for Territorians, particularly in rural and remote communities
- improve digital inclusiveness for Territorians, particularly Aboriginal Territorians
- encourage private sector technology innovation
- grow the local digital industry, allowing it to focus efforts on supporting the Territory private sector
- connect Territory businesses, regardless of their location, to local, interstate and global markets.

## PRIORITY PROJECTS

- **Terabit Territory** – upgrade the fibre network and increase capacity to establish the Territory as a digital leader in telecommunications infrastructure Australia-wide
- **Darwin Data Centre Park** – develop a contemporary communications hub housing critical applications and data electricity
- **Telstra and Northern Territory Government remote telecommunications co-investment programs** – continue to progress telecommunications infrastructure installations at priority remote locations
- **HyperOne** – national terrestrial private sector telecommunications

## Key objectives

*Telecommunications that deliver long term benefits to urban, rural and remote communities across the Territory.*

*Realising the value of government data holdings by progressing plans to share a broader range of data with industry and community to develop new business and services.*

*Fostering investment, innovation and digital skills through agile responses to new technology and market opportunities.*

*Integrating online and over the counter services to make it cheaper and easier for community and businesses to interact with government.*

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Mobile and/or broadband services (possible joint co-investment program)		✓		✓	30			●	●	 Expand mobile services to improve regional and remote connectivity
Mobile and/or broadband services (joint co-investment program)		✓		✓	28	10				 Expand mobile services to improve regional and remote connectivity
First responders P25 radio communication system upgrade		✓			10	2	2	●		  Provide a specialist digital voice and data system for police, fire, emergency services, St Johns, Federal Police, Larrakia Nation and other first response organisations
Territory Generation all sites - operational technology upgrades and improvements - SharePoint / EDMS Integration - server upgrades		✓			9	2		●	●	  Improve service efficiency
Information communications technology (ICT) cabling upgrades in schools	✓				8	3	1			  Improve education outcomes through better connectivity
Digital Partnership Grants Program		✓		✓	1	●				  Grants provided to encourage developing innovative digital solutions with funding matched by partners

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^ Indicates projects that display in two sectors.

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Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
Barkly Regional Deal - new weather radar ^	✓	✓			15	15				 Improve road and air travel safety and support agricultural, pastoral, transport and mining industries
<b>Katherine Region (Big Rivers)</b>										
Radio communication enhancement in remote parks		✓			10			•		 Improve communication in remote parks for ranger safety
<b>East Arnhem</b>										
Arnhem - fibre backhaul upgrade	✓	✓		✓	8	•	•			 Industry expansion and community access
Groote Eylandt / Roper Region - fibre backhaul upgrade	✓	✓		✓	8	•	•			 Industry expansion and community access
Yirrkala - fibre to Technology Switch	✓	✓		✓	3	•	•			 Industry expansion and community access
Groote Eylandt and Bickerton Island - microwave towers				✓	2	•				 Improve community access to communication networks
Telecommunication service to the Territory Space Launch Centre				✓	1	1				 Provision of communications to the Territory Space Launch Centre
<b>Top End</b>										
Kakadu Mobiles Co-investment Program	✓	✓		✓	8	3	3			 Expand mobile services to improve connectivity



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
Smart Cities - CCTV and smart LED technologies	✓	✓	✓		2	•				 Enhance liveability by improving community facilities
<b>Darwin</b>										
Commercial data centre park, including - electrical network upgrades - communications network upgrades				✓	380	•	•	•		 Support the evolving technology and business industries, subject to the outcome of feasibility studies
Terabit Territory		✓		✓	20	2				 Enabling digital Territory and creating digital opportunity
IOT Data Centre at the Charles Darwin University campus				✓	12	12	•			 Provide a high speed data centre to deliver education
HyperOne - national terrestrial private sector telecommunications				✓	•	•	•	•		 Enabling digital Territory and creating digital opportunity



# Electricity



*The Northern Territory Government is committed to 50 per cent renewable energy by 2030 for electricity consumed by Territory households and businesses.*

While natural gas remains the primary electricity fuel source in the Territory's main regional centres – Darwin, Katherine, Tennant Creek and Alice Springs – alternate fuel capability and sources are currently contributing to the transition to renewables and are providing opportunities for new industries in the Territory.

The Office of Sustainable Energy was established in November 2019 to coordinate energy policy and enable renewables across the Territory. Key priorities include progressing electricity market reform in the Territory, developing strategies to advance the government's renewables target and seizing opportunities to create low cost, reliable and clean energy.

It is essential that the electricity system capital investment program supports the safe, reliable and cost effective supply of electricity. Planning is focused on flexibility, asset modularity and system security requirements to ensure that future investments promote and enable emerging technologies throughout the transition to renewables and that related emissions continue to decline.

New innovations in renewable energy are altering the way energy is generated, distributed and consumed.

Renewable energy generation is expected to place downward pressure on wholesale electricity prices, as has been occurring in other jurisdictions, which could stimulate significant economic development, job creation, industry growth and new investment in the Northern Territory.

Behind-the-meter solar (solar energy generated at residences and businesses) and large scale solar farms have significant potential to feed renewable electricity into the Territory's three non-interconnected grids.

The large scale battery project announced in May 2020 for the Darwin-Katherine interconnected system will demonstrate the capability of different technologies to provide essential services to the power systems and inform long term planning.

The Alice Springs Future Grid project, led by the Intyalheme Centre for Future Energy on behalf of Desert Knowledge Australia, is a collaborative multi-million dollar project to help introduce more renewable energy into the Alice Springs power system and provide transferable learnings to larger Territory grids and beyond.

While natural gas generates the main electricity supply for our main regional centres – Darwin, Katherine, Tennant Creek and Alice Springs – remote and regional communities not connected to major networks primarily rely on expensive diesel for electricity generation. However, this is changing with programs such as the Solar Energy Transformation Program (SETuP) delivering 10 megawatts (MW) of solar in 25 communities, and the Remote Power System Strategy (RPSS) targeting up to 70 per cent renewable energy in remote communities.

Good electricity infrastructure is crucial for geographically isolated environments across the Territory.

Some of the key challenges of the Territory's transition to a renewable energy future is the intermittent nature of solar photovoltaics (PV) and forecast continue decline in minimum load during the dry season, which will drive demand for innovative energy storage and essential system services solutions.

This presents a range of opportunities to upgrade the electricity system and a suite of programs and standards are being implemented to aid in the transition.

The Territory's Generator Performance Standards, similar to what is used in other states and territories, aims to contribute to this equity while enabling large scale solar integration into the network. The Priority Reform Program is intended to improve coordinating solar and gas generated electricity and ensure there is sufficient generation to meet customers' needs and to address system security and reliability, encourage private investors and maximise the amount of renewable power in the network.

While the infrastructure of the Territory's electricity network may look the same as it always has to the lay person, to the trained eye, there is constant evolution in the way households and business are now receiving and using their electricity. This is driving new investment by new players and continued re-investment by the traditional suppliers in the electricity supply chain.

*"Territory Generation is progressing plans to transition to renewable fuel capability with a mix of capital investment in the existing fleet to ensure system security and deliver increased renewable fuel source capability and reduced emissions."*

**Gerhard Laubscher, Chief Executive Officer of Territory Generation.**

## PRIORITY PROJECTS

- **Darwin-Katherine 35MW battery energy storage system (BESS) and system plan**
- **Territory Generation Fleet Transition** - a planned program of works being completed over the coming decade that will transition the generation fleet in regulated power systems in the Territory
- **Sun Cable Australia ASEAN Power Link (AAPL)** - 14 gigawatt (GW) solar farm
- **Darwin Katherine Transmission Line** – upgrade secondary system
- **Tindal** - third 22 kilovolt (kV) line and zone substation upgrade
- **Remote Power System Strategy**
- **Alice Springs Network**
  - Distribution pole replacement
  - Alice Springs Future Grid as part of a two year, \$12.5 million project
- **Major expansion of solar arrays at Alice Springs Airport and Darwin International Airport Precinct**
- **Wurrumiyanga** - solar infill and battery storage project
- **Pine Gap power purchase and project management** - construct the commercial connection to the Pine Gap facility.
- **Future of Jabiru and Kakadu** - Jabiru Distribution Network upgrade

## Key objectives

*Plan, build and maintain safe, cost efficient and reliable electricity infrastructure to provide services.*

*Target 50 per cent of our electricity from renewable sources by 2030 and reduce greenhouse gas emissions.*

*Manage the purchase, transport and sale of gas to electricity generators and other major gas users.*

*Future proof the Northern Territory by planning for and building electricity infrastructure to meet future supply demand.*
















Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)		
<b>Territory Wide</b>											
Sun Cable Australia ASEAN Power Link (AAPL) - 14 gigawatt solar farm - 20-30 gigawatt hour storage facility - 800 km overhead transmission line (OHTL) from the solar array to Darwin (Murrumujuk, near Gunn Point) - 3700 km undersea transmission cable to Singapore (and possibly Asia)				✓	26000		•	•	•		Supply long term, competitive, stably priced renewable electricity to the Territory and Singapore markets, with an expected \$8 billion infrastructure spend in the Territory
Power Networks - capital works - repairs and maintenance		✓			730	88	78	•	•		Growth in demand and efficiency improvements
Indigenous Essential Services - minor works and asset replacement		✓			90	9	9	•	•		Growth in demand, compliance, asset renewal and improve service efficiency
Territory Generation all sites - earthing remediation - vibration analysis - control system upgrades - drawing management system		✓			36	3	6	•	•		Growth in demand, compliance, asset renewal and improve service efficiency
Minor works in minor centres		✓			11	2	2	•			Growth in demand, compliance, asset renewal and improve service efficiency
<b>Central Australia</b>											
Power Network upgrades - corroded poles		✓			20	2	2	•	•		Compliance, asset renewal and improve service efficiency
Owen Springs Power Station - construct and commission reverse osmosis plant - generator models - set A engine replacement - load bank supply - fuel system upgrade - Jenbacher scheduled overhauls		✓			18	3	3	•			Growth in demand, compliance, asset renewal and improve service efficiency
Alice Springs Future Grid project	✓	✓		✓	13	•					Collaborative multi-million dollar project to remove the barriers to achieving further renewable energy
Sadadeen Switchboard - replace 22kV		✓			12			•	•		Compliance, asset renewal and improve service efficiency

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Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
Yulara Power Station - generation refresh - solar optimisation - battery energy storage system (BESS) and micro grid		✓			11	3	3	•	•	 Sustainable long term power generation solution for Yulara
Alice Springs Airport - major expansion of the solar array	✓			✓	•	•	•	•		 Improve energy efficiency by increasing renewable energy supported by Northern Australia Infrastructure Facility (NAIF)
Ti Tree region - expand three phase power	✓	✓		✓	•			•		 Support service delivery within region, including the horticultural region and Nolan Bore mine
<b>Barkly</b>										
Tennant Creek Power Station - engine replacement - generator models - alternative energy		✓			6		1	•		 Growth in demand, compliance, asset renewal and improve service efficiency
<b>Katherine Region (Big Rivers)</b>										
Darwin to Katherine Transmission Line - upgrade secondary systems		✓			4	1				 Compliance, asset renewal and improve service efficiency
Katherine Hospital - solar power		✓			1			•		 To reduce expenditure on electricity costs
Tindal - third 22kV line and zone substation upgrade		✓		✓	•		•			 Support growth in demand and improve service delivery
<b>Top End</b>										
Livingstone Solar – 50 MW solar farm at Berry Springs				✓	100		•			 Support energy efficiency by increasing renewable energy
Solar farms – Katherine, Batchelor and Manton Dam				✓	43	•				 Support energy efficiency by increasing renewable energy
Wagait – replace centre yard zone substation and undersea cable		✓			14		1	•	•	 Compliance, asset renewal and improve service efficiency
Wurrumiyanga - solar infill and battery storage		✓			2	•				 Reduce reliance on diesel generators, provide clean and safe power source for residents
Solar Power Installation, Old Mission, Fossil Head and Namarluk Homelands	✓	✓	✓		1	•				 Reduce reliance on diesel generators, provide clean and safe power source for residents
Power Network transformer upgrade - Cosmo Howley		✓			•		1	1		 Compliance, asset renewal and improve service efficiency

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)		
<b>Palmerston and Litchfield</b>											
Weddell Power Station - hot section exchanges - turbine major overhauls - demineralisation shed upgrade and chemical management - Human-Machine Interface (HMI) upgrade		✓			31	1	5	•	•	 	Growth in demand, compliance, asset renewal and improve service efficiency
Channel Island Power Station - 132 kV cable replacement - major overhauls and unit replacements - safety management system - fire protection upgrades - life extension works - air-conditioning replacement		✓			28	4	6	•	•	 	Growth in demand, compliance, asset renewal and improve service efficiency
Power Network and Substation upgrades - Archer, Humpty Doo, Palmerston, Strangways and Weddell		✓			26	2		•	•	 	Growth in demand and improve service efficiency
19 Mile Depot - upgrade		✓			1	•				 	Compliance, asset renewal and improve service efficiency
It's Always Brighter - partnership to create solar farms	✓	✓	✓	✓	•	•				 	Enhance liveability by improving community facilities



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Territory Generation - fleet sustaining capital		✓			293	15	17	•	•	Fulfilment of demand and improved service efficiency
Power Network and Substation upgrades - Darwin region		✓			84	20	12	•	•	Growth in demand and improve service efficiency
Hudson Creek - gas-fired power plant				✓	75	•				Supply long term, competitive, stably priced clean electricity to the Territory
Sun Cable Australia ASEAN Power Link (AAPL) - Middle Arm Battery Project, energy storage of up to 100 MW/200 megawatt hour (MWh), substation and switchyard				✓	50	50	•			Supply long term, competitive, stably priced renewable electricity to the Territory
Darwin-Katherine battery energy storage system (BESS)		✓			30	15	15			Sustainable energy to support growth in demand and improve service efficiency
Wishart – new power station including five gas-fired generators and ancillary structures, administration building and warehouse				✓	25	•				Growth in demand and improve service efficiency
Darwin International Airport precinct - major expansion of the solar array - stage 1	✓			✓	20	•				Improve energy efficiency by increasing renewable energy supported by Northern Australia Infrastructure Facility (NAIF)
Undergrounding power - schools - suburbs		✓			•	•	•	•	•	Build a resilient power network, against cyclones and monsoons, for businesses, schools and homes



# Water



*Every aspect of life, including economic development of the Northern Territory, relies on a safe and secure water supply.*

Power and Water Corporation provides water supply services to 18 major and minor urban centres and 72 remote communities across the Northern Territory.

These urban centres and communities primarily use groundwater supply, except Darwin and Katherine, which also access surface water sources. Our largest surface water reservoir is Darwin River Dam, supplying over 85 per cent of the region's needs.

While the majority of Darwin's potable water supply is sourced from the Darwin River Dam, it is supplemented by groundwater sources in the rural area, which are also relied on by other private users in the area.

Sharing such a precious resource is a common arrangement across the Territory, where most potable water supplies are sourced from groundwater resources, sometimes many kilometres away from the demand centre.

A reticulated network of pipes and pumping stations are provided across the vast expanse of the Territory to transport potable water to customers. In many instances the water is then pumped into overhead storage tanks so it can be supplied at pressure to customers' houses and businesses. The water is disinfected, often through chlorination, to ensure it remains safe to drink.

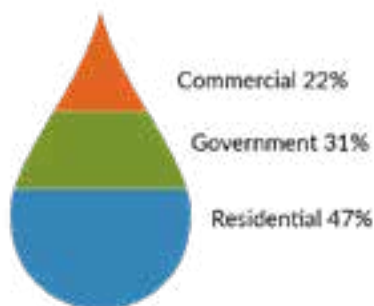
Maintaining this network of infrastructure is a vast job, but it is only half of the Northern Territory 'Water Story' in terms of water supply. The other side of the story is about water security and sustainable demand in ensuring we do not waste this precious resource.

The Territory's water supply is climate dependent. If there are drier or hotter years it is important we understand the impact our water consumption has on the sustainability of water supply.

Taking water sustainability seriously is the key to the long term prosperity of our communities and our way of life. Using water sustainably, by stopping leaks, reducing water wastage and recycling water, helps protect key environmental and cultural values associated with water and can improve the reliability and security of water supply.

The other element to the life cycle of water is wastewater and its safe collection, transport and treatment so it can be disposed of in an environmentally safe way. Wastewater collection and treatment infrastructure is being increased to improve sewerage services and environmental outcomes.

## WATER USE BY SECTOR DARWIN



The TERC *Final Report* included the following recommendations to address water availability, climate impacts and competing needs:

### **W1 | ACCESS TO WATER**

- ◆ Accelerate work to deliver infrastructure solutions for future water demands.

### **W2 | ACCESS TO WATER**

- ◆ Undertake continued water exploration and targeted water resource investigation.

### **W3 | ACCESS TO WATER**

- ◆ Continue to modernise legislative, policy and institutional settings.

## TERRITORY ECONOMIC RECONSTRUCTION – PROGRESS REPORT 1

The Territory Government, with the support of the Australian Government, is delivering a detailed business case on water supply options to meet the needs of the Darwin region over the short, medium and long term. The detailed business case is being delivered in two parts:

- **Part A: Preliminary Assessment** (completed in the second half of 2020): Part A was publicly released in February 2021 and can be found at <https://watersecurity.nt.gov.au>. This report was also submitted to Infrastructure Australia (IA) in late 2020, which resulted in the Darwin Region Water Supply business case progressing to stage 3 (business case development) of IA's Investment Framework, a key milestone in attracting Australian Government support for the project.
- **Part B: Detailed business case** (to be delivered in the second half of 2021): Part B of the business case is expected to be completed in the second half of 2021. Part B will deliver a detailed assessment of the recommended options from Part A to provide secure and cost effective water to meet future water demand from residential, industrial, commercial and agricultural customers.

In recognition of the strategic importance of water as an economic enabler, the Territory Government has also committed \$3.7 million over the next two

years to progress preliminary de-risking activities for two key water supply infrastructure solutions to ensure that a timely investment decision can be made based on the outcome of the detailed business case.

The work is focused on:

- Manton Dam Return to Service
- Adelaide River Off-stream Water Storage.

The completion of the detailed business case will allow the Territory Government to make an informed and timely decision on the most appropriate approach to sustainably secure Darwin's water supply and promote economic development.

The Territory Government will also begin trialling affordable technologies to address challenges in priority communities to identify alternative treatment technologies that are fit for purpose including:

- Installing membrane capacitive de-ionisation (MCDI) technology in remote communities to compare the operational performance and costs to existing technologies
- Implement a laboratory scale trial of electrochemical technology to test existing technology in a different application to improve water quality, expected to be completed in 2022.

### PRIORITY PROJECTS

- **Darwin Region Water Supply Strategy** - including Adelaide River Offstream Water Storage
  - future water source and treatment options
  - water storage and transmission upgrades
- **Water Quality Treatment Improvements** - deliver safe water supplies across the Territory
- **Katherine PFAS Water Treatment Plant** - deliver safe and reliable water supply
- **Remote Communities** - safe and secure drinking water
- **Managed aquifer recharge at King River**

### Key objectives

*Provide good quality drinking water by enhancing capability in line with Australian Drinking Water Guidelines.*

*Manage water supply sustainability and security in line with demand.*

*Plan for future sewerage infrastructure to continue to treat and dispose of sewage.*

*Plan, build and maintain safe, cost efficient and reliable water and sewerage infrastructure to provide services.*

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Water main replacement - all regions		✓			41	6	6	•	•	 Compliance, asset renewal and improve service efficiency
Remote Communities - safe and secure drinking water projects		✓			28	7	7	•	•	 Improve water quality and supply in remote communities
Indigenous Essential Services - water source, distribution, transmission and storage		✓			22	2	2	•	•	 Growth in demand, compliance, asset renewal and improve service efficiency
Water Treatment to enhance water quality		✓			22	•	•	•	•	 Ensure high standard of water quality
Indigenous Essential Services - sewer treatment, ponds, pumps and reticulation		✓			15	2	2	•	•	 Growth in demand, compliance, asset renewal and improve service efficiency
Sewerage re-lining - all regions		✓			9	1	1	•	•	 Compliance, asset renewal and improve service efficiency
Indigenous Essential Services - upgrade disinfection systems - Darwin and Katherine regions		✓			8	3	1			 Growth in demand, compliance, asset renewal and improve service efficiency
Water quality treatment and system upgrade		✓			1	•				 Ensure high standard of water quality
Territory Parks – water security projects		✓			•		•	•		 Ensure water security to enable commercial opportunities

A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

^ Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
Water storage and transmission upgrades		✓			34	3	4	•	•	 Compliance, asset renewal and improve service efficiency
Yulara - augment sewerage treatment plant, pond duplication and additional sludge drying beds		✓			33	•	1	•	•	 Compliance, asset renewal and improve service efficiency
Water source improvements - borefield upgrades and augmentation		✓			31			•	•	 Ensure high standard of water quality
Water reticulation upgrades (mains, services, meters and pipes)		✓			23	1	1	•	•	 Growth in demand, compliance, asset renewal and improve service efficiency
Sewerage treatment (plants and ponds)		✓			20	•	•	•	•	 Compliance, asset renewal and improve service efficiency
Sewerage pump station and transmission		✓			14	1	•	•	•	 Compliance, asset renewal and improve service efficiency
Laramba - asbestos cement mains replace - stage 1		✓			7	1				 Growth in demand, compliance, asset renewal and improve service efficiency
Yuendumu water rising main upgrade project		✓			4		•	•		 Ensure high standard of water quality
Yuendumu - water source upgrade project		✓			2	•	•	•		 Ensure high standard of water quality
Imanpa - water source upgrade project		✓			2	1	1	•		 Ensure high standard of water quality
Atitjere - water source upgrade project		✓			2	1	1	•		 Ensure high standard of water quality
Engawala water source upgrade project		✓			1	•				 Ensure high standard of water quality
Docker River - replace 3 ground storage tanks with one large tank		✓			1	•				 Growth in demand, compliance, asset renewal and improve service efficiency
Papunya water rising main upgrade		✓			1			•		 Growth in demand, compliance, asset renewal and improve service efficiency
Imanpa - new water source equipping		✓			1	•				 Growth in demand, compliance, asset renewal and improve service efficiency

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
Borefield upgrades in Tennant Creek and Newcastle Waters		✓			6			•	•	 Growth in demand, compliance, asset renewal and improve service efficiency
Tennant Creek evaporation ponds - stabilise embankments		✓			4		1	•		 Compliance, asset renewal and improve service efficiency
Ali Curung - sewer replacement - stage 2		✓			3			•		 Compliance, asset renewal and improve service efficiency
Water reticulation in Tennant Creek and Elliott		✓			2			•	•	 Compliance, asset renewal and improve service efficiency
Wutunugurra - water source upgrade project		✓			2	1	1	•		 Ensure high standard of water quality
Sewer reticulation augmentation		✓			1			•	•	 Compliance, asset renewal and improve service efficiency
Alpurrurulam - construct a new water storage tank		✓			1			•		 Ensure high standard of water quality



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Katherine Region (Big Rivers)</b>										
Water transmission (pumping, mains and storage)		✓			19	•	•	•	•	 Compliance, asset renewal and improve service efficiency
Katherine PFAS Water Treatment Plant	✓				16	•				 Compliance, asset renewal and improve service efficiency
Timber Creek water infrastructure upgrade - new tank and distribution main		✓			13			•	•	 Compliance, asset renewal and improve service efficiency
Mataranka water infrastructure upgrade		✓			13			•	•	 Compliance, asset renewal and improve service efficiency
Sewerage pump station and transmission		✓			11	•	•	•	•	 Compliance, asset renewal and improve service efficiency
Katherine East and Crawford Street - sewerage reticulation		✓			8			•		 Compliance, asset renewal and improve service efficiency
Indigenous Essential Services - water source, distribution, transmission and storage		✓			6			•	•	 Growth in demand, compliance, asset renewal and improve service efficiency
Indigenous Essential Services - sewer treatment, ponds, pumps and reticulation		✓			2	•				 Growth in demand, compliance, asset renewal and improve service efficiency
Bulla - water supply security improvement program (source and treatment)		✓			2	1				 Ensure high standard of water quality
Numbulwar - water source upgrade project		✓			2	1				 Ensure high standard of water quality
Water source augmentation and bore rehabilitation		✓			2	•	1		•	 Growth in demand, compliance, asset renewal and improve service efficiency
Borroloola ground level tank and land		✓			2			•		 Compliance, asset renewal and improve service efficiency
Water reticulation upgrades (mains, services, meters and pipes)		✓			2	•	•	•	•	 Compliance, asset renewal and improve service efficiency
Amanbidji water source upgrade project		✓			1		•	•		 Ensure high standard of water quality
<b>East Arnhem</b>										
Indigenous Essential Services - water source, distribution, transmission and storage		✓			6		•	•		 Growth in demand, compliance, asset renewal and improve service efficiency

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)		
<b>Top End</b>											
Adelaide River - water infrastructure upgrade for fire flows		✓			13			•	•	 	Compliance, asset renewal and improve service efficiency
Batchelor - water supply		✓			4	•	•	•		 	Compliance, asset renewal and improve service efficiency
Adelaide River - water supply		✓			3	•	•	•		 	Compliance, asset renewal and improve service efficiency
Indigenous Essential Services - water source, distribution, transmission and storage		✓			2		•			 	Growth in demand, compliance, asset renewal and improve service efficiency
Warruwi - water source upgrade project		✓			2	1	•			 	Ensure high standard of water quality
Indigenous Essential Services - sewer treatment, ponds, pumps and reticulation		✓			1		•			 	Growth in demand, compliance, asset renewal and improve service efficiency
Water source - improve water supply		✓			1				•	 	Growth in demand, compliance, asset renewal and improve service efficiency
<b>Palmerston and Litchfield</b>											
Water storage and transmission upgrades		✓			41			•	•	 	Compliance, asset renewal and improve service efficiency
Sewerage pump station, treatment, reticulation upgrades		✓			31				•	 	Compliance, asset renewal and improve service efficiency
Water reticulation upgrades		✓			18			•	•	 	Compliance, asset renewal and improve service efficiency
Holtze/Kowandi Central Sewer Pumping Station and Rising Main		✓			14				•	 	Growth in demand, compliance, asset renewal and improve service efficiency
Durack Heights - sewer diversion		✓			6				•	 	Compliance, asset renewal and improve service efficiency
Humpty Doo sewerage pump station - stage 2		✓			1				•	 	Compliance, asset renewal and improve service efficiency

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Darwin region water supply augmentation		✓			1200	6	4	•	•	 Compliance, asset renewal and improve service efficiency
Water storage and transmission upgrades		✓			211	20	12	•	•	 Improve capacity for high quality water
Sewerage reticulation		✓			69	5	4	•	•	 Compliance, asset renewal and improve service efficiency
Sewerage pump station and transmission		✓			69	5	4	•	•	 Compliance, asset renewal and improve service efficiency
Water reticulation upgrades (mains, services, meters and pipes)		✓			59	2	2	•	•	 Compliance, asset renewal and improve service efficiency
Ludmilla waste water treatment ponds - inlet works - new chlorine room		✓			42	1	5	•		 Compliance, asset renewal and improve service efficiency
Sewerage treatment, re-use and de-sludging		✓			14	3	2	•	•	 Compliance, asset renewal and improve service efficiency
Leanyer/Sanderson sewer diversion		✓			11			•		 Improve capacity for high quality water
Leanyer/Sanderson waste water treatment ponds - long term augmentation		✓			8			•	•	 Compliance, asset renewal and improve service efficiency
Parap trunk sewer duplication		✓			5			•		 Improve capacity for high quality water



# Energy and Minerals



*The Northern Territory is value adding to its rich deposits of world class mineral resources by developing downstream processing capability for these extensive mineral commodities.*

The Territory has extensive deposits of bauxite, uranium, zinc, lead, copper, phosphate, manganese, gold, silver, diamonds and rare earths. There are six major mines and a number of smaller mines operating in the Territory, with 19 projects in the approvals process and numerous other projects being evaluated. The 19 projects in the approval process have a capital expenditure estimated at \$5.8 billion in development.

As outlined in the Northern Territory Government's Territory Critical Minerals Plan, with the increasing production of renewable energy technologies, demand is expected to increase for renewable energy related minerals.

In the 2019–20 financial year, the value of the minerals sector alone was \$4.40 billion. This is a 10.6 per cent reduction on the previous financial year, which produced a record production value of \$4.92 billion – representing more than 18 per cent of gross state product (GSP).

The Territory is scaling up from supplying raw mineral commodities to downstream processing of mineral commodities. New projects such as Nolans Rare Earths and Phosphate Project, Mount Peake Vanadium and Titanium Project and the Ammaroo Phosphate Project all incorporate value adding processing plants in the Territory.

The Territory has more than 30 trillion cubic feet of offshore gas reserves and highly prospective onshore gas resources of global significance. Exploration and appraisal of onshore gas resources resumed in 2019 following the implementation of key reforms recommended by the Scientific Inquiry into Hydraulic Fracturing in the Northern Territory. Developing gas resources is a key recommendation of the Territory Economic Reconstruction Commission.

As discussed in the Onshore Gas Industry Development section, the Northern Territory Government commissioned a number of studies to inform the development of supporting infrastructure, such as liquid and gas pipelines, power lines, rail, road and air access.

## PRIORITY PROJECTS

- **Beetaloo to Darwin Infrastructure Corridor** – unlock onshore shale gas resources as the McArthur and Beetaloo Sub-basin hold highly prospective gas resources of global scale
- **New commodity projects** – lithium (Finniss), copper (Jervois), rare earths (Nolans), vanadium and titanium (Mount Peake), salt and salt products (Chandler) and phosphate (Ammaroo)
- **Tennant Creek gold ore common user processing** – boost mining operations in the region
- **Resourcing the Territory initiative** – strategies to underpin the long term sustainability of the Territory's resources sector
- **Middle Arm Sustainable Development Precinct**
  - gas based manufacturing
  - common user infrastructure

## Key objectives

*Make the Territory the preferred destination for resource investment and development.*

*Regulate and administer tenure and land access for exploration, mining and production of minerals and petroleum.*

*Enhance the Territory's wealth through responsible stewardship of its minerals and energy resources.*

*Attract local and international business investment partnerships for the mining and resources sector.*

*Support economic development and participation for Aboriginal Territorians.*

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Resourcing the Territory initiative		✓		✓	30	8	•	•		Underpin the long term sustainability of the Territory's resources sector
<b>Central Australia</b>										
Australian Gas Infrastructure Group (AGIG) Amadeus to Moomba gas pipeline				✓	1200	•	•	•		Supply long term, competitive, stably priced gas to the southern market
Nolans Mine - open cut mine with onsite processing to produce rare earth products and phosphoric acid				✓	1026	•	•	•		Meet global demand for critical minerals used for new and emerging technologies
Newmont Tanami - stage 2 gold mine expansion - expand surface and underground facilities				✓	1000	•	•	•		Meet global demand for minerals
Chandler Salt Mine - develop underground mine, onsite salt and fertiliser processing plant and underground storage facilities				✓	676		•	•	•	Supply commercial high grade halite and provide a geological repository facility to offer long term storage, treatment and recovery of waste
Mt Peake Mine - develop new open pit mining and processing operation, including mine camp, power station and rail siding				✓	236	•	•	•		Meet global demand for critical minerals used for new and emerging technologies
Jervois Mine (KGL Resources Ltd) - re-open old mine with open cut pits, underground mining and processing				✓	200	•	•			Meet global demand for critical minerals used for new and emerging technologies
Molyhil Mine - develop open cut mine and onsite processing plant				✓	69	•	•			Meet global demand for minerals
Central Petroleum - Mereenie production wells and recompletions				✓	30	•				Enable economic development
Santos - Amadeus Basin - Dukas exploration well				✓	15		•			Enable economic development
Ti Tree Airstrip upgrade and new terminal to support Mt Peake Mine		✓		✓	2		•			Meet global demand for minerals



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^ Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
Origin – Beetaloo Sub-basin gas exploration and development	✓			✓	1000+	50	•	•	•	  Exploration and possible future development, enabling economic growth
Santos – Beetaloo Sub-basin gas exploration and development				✓	1000+	•	•	•	•	  Exploration and possible future development, enabling economic growth
Beetaloo to Darwin Infrastructure corridor				✓	1000+	•	•	•	•	  Supply long term, competitive, stably priced gas to the northern and southern market
Ammaroo Phosphate Mine - new mine with open cut pits, crushing and processing plant for direct shipping ore				✓	1400	•	•	•		  Meet global demand for minerals
Wonarah Phosphate Mine - stage 1 - open cut mine and onsite superphosphate processing				✓	350+			•	•	  Meet global demand for minerals
Santos - South Nicholson Basin gas development				✓	100+	•	•	•	•	  Enable economic development
Empire Energy – McArthur Basin Central Trough exploration and development				✓	100+	•	•	•	•	  Exploration and possible future development, enabling economic growth
Tennant Creek gold ore processing facility				✓	•	•				  Develop a common user processing facility to support small scale, high value mines in the region
Tennant Creek multi-modal facility	✓	✓		✓	•			•	•	  Further develop the sector - subject to outcomes of feasibility studies
<b>Katherine Region (Big Rivers)</b>										
Mt Todd Mine - re-open open cut pit with new onsite processing plant and power station				✓	1180	•	•	•		  Meet global demand for minerals
Roper Valley Iron Ore Project - open cut iron ore mining, onsite processing and direct shipping ore				✓	•	•	•			  Meet global demand for minerals
Sill 80 Ilmenite project - upgrade process plant and water supply				✓	•	•				  Meet global demand for critical minerals used for new and emerging technologies

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)		
<b>East Arnhem</b>											
Groote Eylandt - South 32 - GEMCO - eastern leases				✓	160		•	•		 	Enable access to additional ore to meet global demand for minerals
Remove infrastructure and rehabilitation of the Gove alumina refinery				✓	•		•	•		 	To meet mine site environmental remediation requirements
<b>Top End</b>											
Finnis Lithium Project - open cut mine with onsite processing for spodumene concentrate				✓	85	•				 	Part of Core Lithium's Finnis Lithium project developing lithium and diversified metals used for new and emerging technologies
Hayes Creek Project - PNX Metals re-open Mt Bonnie mine, Iron Blow mine and Fountain Head mine - construct processing facilities at Fountain Head mine site				✓	58			•		 	Meet global demand for minerals
Toms Gully - re-open underground mine and onsite processing plant				✓	45	•	•			 	Meet global demand for minerals
Fountain Head Gold Project - open cut mine and processing plant				✓	40	•	•			 	Meet global demand for minerals
Francis Creek Iron Ore - reopen mine to extract remnant ore from open pits				✓	10	•				 	Meet global demand for minerals
Francis Creek - NT Bullion - construct gold mining plant				✓	10	•	•	•	•	 	Provide an environmentally friendly plant to enable small explorers to process gold
Ranger mine rehabilitation - remove infrastructure				✓	•	•	•	•	•	 	Rehabilitate the Ranger mine in consultation with stakeholders

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
Darwin Clean Fuels - condensate processing plant				✓	US 2100	•	•	•		  Develop gas manufacturing and processing to harness Darwin's strategic proximity to south east Asian markets
Middle Arm Sustainable Development Precinct - common user infrastructure	✓	✓		✓	2000		•	•	•	 Support the establishment of a low emissions petrochemical industry and other downstream processing and manufacturing for gas based products
Darwin LNG refurbishment				✓	US 500		•	•		  Enable economic development
Middle Arm Sustainable Development Precinct - gas based manufacturing		✓			500+			•	•	 Support the establishment of a low emissions petrochemical industry and other downstream processing and manufacturing for gas based products
Coogee - Darwin Methanol Plant				✓	500	•	•	•		  Develop gas manufacturing and processing to harness Darwin's strategic proximity to south east Asian markets



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Offshore</b>										
Evans Shoal gas field development				✓	US 5000		•	•	•	  Enable economic development
Barossa gas field development - gas field - 260 km pipeline				✓	US 3600	•	•	•	•	  Enable economic development
Petrel gas field development - field development - pipeline to Darwin				✓	US 1000	•	•	•	•	  Enable economic development
Bayu-Undan decommissioning - remove offshore infrastructure				✓	US 700		•	•	•	  Dismantled facilities and return the surrounding area to its natural condition
Bayu-Undan gas field - three production wells				✓	US 235	•	•			  Optimise field recovery, extend production and deliver significant value to both the Bayu-Undan Joint Venture and the people of Timor-Leste



# Agribusiness, Fisheries and Aquaculture



*The diverse and unique Northern Territory environment lends itself to a broad range of primary industries and increasing opportunities for private sector investment.*

Traditionally, cattle, horticulture and wild caught seafood have supported the sector, however developing industries such as broad-acre cropping, forestry and crocodile farming are becoming more important.

Employment in these sectors is a significant driver of economic activity in the Northern Territory, especially in regional and remote areas. These industries have important links to other sectors of the economy, including retail and wholesale trade, manufacturing, transport and tourism, which connects our Aboriginal communities.

While recent seasonal conditions have been challenging, the industry has demonstrated its resilience and ability to adapt. The value of cattle production continues to dominate the sector at \$823 million while horticulture at \$251 million demonstrates its ongoing importance to the Territory economy.

An emerging broad-acre cotton industry, commercial hemp trials and the expansion and sophistication of crocodile farming provide ongoing opportunities in the Territory.

Opportunities for private sector investment are highlighted by the recent land releases by NT Land Corporation, including:

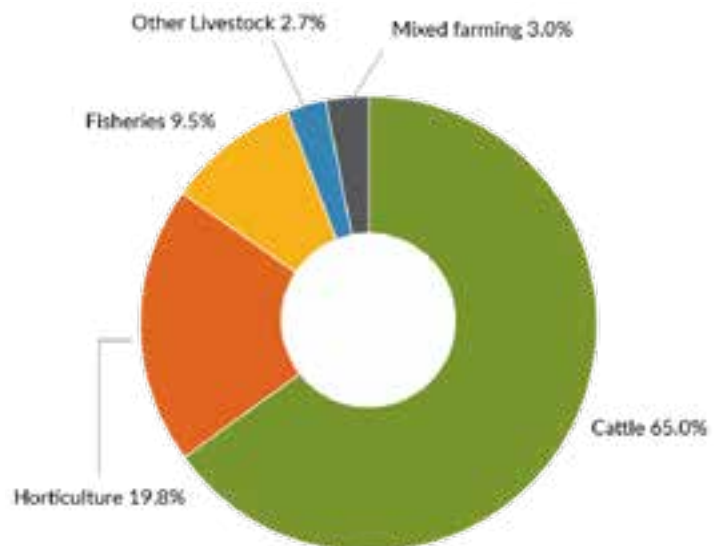
- Keep Plains Agricultural Development
- Wildman Agricultural Precinct
- Larrimah Agricultural Precinct.

These land releases feature very suitable climates, reliable water supplies and adaptive soils, offering investors opportunities in intensive horticultural production systems or efficient broad-acre farming.

Recent changes to the *Pastoral Lands Act*, which allows sections of the large pastoral leases to be sublet under a non-pastoral use permit for agricultural pursuits, will see further investment opportunities and expand agricultural production systems.

Ongoing development at the East Arm, Darwin Port and the recently completed Export Hub provides Northern Territory agribusiness industries with the required infrastructure to access a diverse range of domestic and export markets. The Export Hub includes vapour heat treatment and cold storage facilities adjacent to the Darwin International Airport to facilitate transport for the sector's products.

Access to new markets for quality Australian agricultural and seafood products will enable the investment and expansion of this dynamic Territory industry. Significant investment in Territory roads supports key routes and enables economic sustainability for this growth sector. Detail on these roads projects are listed in the Transport and Logistics sector of this Plan.



**Primary industries in the Territory are valued at \$1.26 billion**

## PRIORITY PROJECTS

- **Katherine Logistics and Agribusiness Hub** – develop to support agribusiness, resource, defence and tourism growth
- **Keep Plain Agricultural Development, Wildman River and Larrimah Agricultural Precincts** – develop production area to take advantage of good quality agricultural land and available water resources
- **Adelaide River Offstream Water Storage (AROWS)** proposal and associated agricultural and horticultural precinct
- **International best practice crocodile farm** – located at Lambells Lagoon
- **Cotton gin facility**

### Key objectives

*Work to establish a flourishing economy underpinned by profitable and sustainable resource-based industries.*

*Achieve optimal sustainable use of the Northern Territory's natural resources.*

*Work with our partners to stimulate and sustain agribusiness throughout the Territory.*

*Implement the Biosecurity Strategy where all Territorians share the responsibility to minimise the threat and impact of plant and animal pests and disease to the Territory's economy, natural environment and community.*

*Increase the engagement of the regional Northern Territory workforce in primary industries.*

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
Provide infrastructure, including roads, to encourage horticulture development south of Alice Springs		✓		✓	40		•	•		Support development of a horticultural industry
Ti Tree Transport and Horticultural Hub <sup>^</sup>	✓	✓		✓	•			•		Support service delivery within the region and development of the horticultural sector
<b>Barkly</b>										
Western Davenport agricultural area - Singleton horticultural project				✓	100			•	•	Support development of a horticultural industry
Barkly Regional Deal - new weather radar <sup>^</sup>	✓	✓			15	15	•			Improve road and air travel safety and support agricultural, pastoral, transport and mining industries
<b>Katherine Region</b>										
Katherine Logistics and Agribusiness Hub (inland port) <sup>^</sup>		✓		✓	50	29	•	•	•	Enable agribusiness, fisheries and aquaculture supply chains, processing and transport
Larrimah Agricultural Precinct				✓	20	•		•		Develop production area to take advantage of good quality agricultural land and available water resources
Cotton gin facility				✓	•	•				Support the emerging cotton industry, subject to the outcome of feasibility studies
Biosecurity and animal welfare facility				✓	•			•		Wash down facility in the region to support industry meet biosecurity and welfare standards




A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

<sup>^</sup> Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)		
<b>East Arnhem</b>											
Gove Port infrastructure^	✓	✓		✓	15				•	 	Underpin the development of the agribusiness, fisheries and aquaculture industry to service the community and export markets
<b>Top End</b>											
Project Sea Dragon - aquaculture project with grow out facility at Legune Station	✓	✓		✓	2100	•	•	•	•	 	Enable long term economic growth
Lambells Lagoon - international best practice crocodile farm				✓	40	•	•	•		 	Further develop and expand the crocodile export industry
Wildman River Agricultural Precinct - develop roads, three phase power and telecommunications		✓			20		•	•	•	 	Underpin the development of the agribusiness, fisheries and aquaculture industry should land and water be sustainable
Keep Plain Agricultural Development				✓	20	•		•		 	Develop production area to take advantage of good quality agricultural land and available water resources
Humpty Doo Barramundi farm expansion				✓	•	•	•	•	•	 	Further develop and expand the fisheries export industry supported by the Northern Australia Infrastructure Facility (NAIF)



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Frances Bay Marine Facilities - lock replacement and upgrade^		✓			20	20	•			 Support economic and improve safety
Northern Territory Government Research Precinct - new agricultural science laboratory	✓	✓			18	16	•			 Increase the Territory's research capacity and capability at Berrimah Farm
Seafood Processing Facility				✓	5-15			•	•	 Support development of the seafood processing industry



# Defence and Related Industries



*The defence sector, and its national security presence, is one of the most significant contributors to the Northern Territory's economy.*

The rapidly rising influence of Asia in global economic and political affairs has generated an increased focus on the Northern Territory's role within the Indo-Pacific region. Investment confidence, ongoing maritime trade access and Australia's way of life rely on a stable geopolitical environment.

A large number of major defence sites are spread across the Territory – RAAF Base Darwin, Larrakeyah Barracks and HMAS Coonawarra in Darwin, Robertson Barracks in Palmerston, RAAF Base Tindal near Katherine and the Joint Defence Facility Pine Gap near Alice Springs. The Territory hosts four of Australia's significant land based training areas and the North Australia Exercise Area offshore from Darwin.

In 2016, the Australian Government embarked on a 'once-in-a-generation' defence renewal program, backed by an ongoing policy to support Australian manufacturing and sustainment in key regions. In 2019–20, total defence expenditure contributed to 8.6 per cent of the Territory's gross state product (GSP), or approximately \$2.2 billion in inflation adjusted terms.

The Territory's defence and national security industry is a fast growing sector. New and long term investments by the Australian Government in defence facilities, assets and equipment presents real opportunities for the Northern Territory to further expand, diversify and mature our economy. This is further supported by Darwin being nominated as one of four Regional Maintenance Centres for the Royal Australian Navy.

The United States Force Posture Initiatives extend Australia's existing defence alliance with the United States to deepen interoperability, enhance capabilities and improve joint response to humanitarian assistance. The initiatives provide the Territory with new infrastructure investments and support service requirements.

These investments align with our vision to become a key defence and national security hub, and the primary centre for maintaining and sustaining defence facilities and assets deployed to the region. The Northern Territory Government continues to invest in the critical transport and maintenance infrastructure to support defence activity, including the \$400 million Darwin Ship Lift Facility within the Marine Industry Park.

Future proofing infrastructure will enable the Territory to accommodate the changing requirements of defence operations and regional security trends. This ensures ongoing effectiveness of military interoperability and better equips local industry to support defence and our international partners.

Appropriate defence and commercial facilities, adequate air, sea and land links, secure data storage and transmission, and resilient critical infrastructure are essential to effective military and humanitarian operations in our region. We recognise the need to work in partnership with industry and investors to continue to support defence and national security operations in the region, and the requirements of the growing Indo-Pacific market.

## PRIORITY PROJECTS

- **Larrakeyah Barracks / HMAS Coonawarra upgrade** – upgrade facilities at Larrakeyah Defence Precinct and construct a new wharf and fuel farm to support naval operations in the north
- **Common User Ship Lift Facility** – position Darwin as a major international and national player in the marine maintenance and services industry
- **RAAF Base Tindal Redevelopment Stage 6 and United States Force Posture Initiative Airfield Works** – addressing functional infrastructure deficiencies and capacity constraints and improving accessibility to RAAF Base Tindal for United States Air Force aircraft
- **US defence strategic fuel storage facility** – US funded, commercially operated, strategic military fuel reserve to be located in Darwin

### Key objectives


*Expand and diversify Territory industry capability through opportunities to participate in defence work.*

*Use local industry in the supply chain for defence construction and sustainment projects.*

*Attract defence companies to establish and expand operations in the Territory.*

*Build a competitive and sustainable industry to support defence and national security operations and training activities.*

*Access new market opportunities in the Indo-Pacific region including support for Australia's allies.*

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	US DoD		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
United States Force Posture Initiatives (USFPI) Northern Territory training area upgrades - Bradshaw Field, Kangaroo Flats, Mt Bundey and Robinson Barracks	✓				711	•	•	•	•	 Upgrade infrastructure to enhance defence operations
National Aircraft Pavement Maintenance Program	✓				180		•	•	•	 Maintenance to maximise existing infrastructure
<b>Central Australia</b>										
Jindalee Operational Radar Network facilities upgrades	✓				47	•				 Enhance defence capability

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^ Indicates projects that display in two sectors.

US DoD - United States Department of Defence prospective contribution.



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	US DoD		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)		
<b>Katherine Region</b>											
RAAF Base Tindal - USFPI/KC 30A Tankers extend, strengthen and widen runway and taxi ways	✓				702	•	•	•	•	 	Upgrade infrastructure to enhance defence operations
RAAF Base Tindal Redevelopment - stage 6	✓				416	•	•	•	•	 	Enhance defence capability
MQ-4C Triton Forward Operating Base (facilities and infrastructure)	✓				201	•	•	•		 	Enhance defence capability
US Air Force bulk fuel facility				✓	US 25-75			•		 	Enhance US defence capability
Earth covered magazines - US Department of Defence				✓	US 10	•				 	Enhance US defence capability
<b>Palmerston and Litchfield</b>											
USFPI Robertson Barracks - base support infrastructure	✓				254		•	•		 	Enhance defence capability

✓ Projects are indicative only and remain subject to departmental, government second pass and parliamentary approvals.



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	US DoD		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Larrakeyah Barracks / HMAS Coonawarra J0109/N2238	✓				472	•	•	•		  Enhance infrastructure to support redevelopments
Ship Lift Facility ^		✓			400	88	•	•		  Provide a common user facility for the general maritime sector and Department of Defence
HMAS Coonawarra - N2263	✓				221	•	•	•		  Enhance defence capability to handle larger vessels
RAAF Base Darwin - mid-term refresh	✓				148			•		  Upgrade infrastructure to enhance defence operations
RAAF Base Darwin - AIR7000 - P-8A Poseidon Forward Operating Base	✓				146	•				  Enhance defence capability
US Air Force bulk fuel facility				✓	US 63	•				  Enhance facilities for US Air Force operations at RAAF Darwin
RAAF Base Darwin - Air 5431	✓				42	•				  New infrastructure to support introduction of new air traffic control system
Larrakeyah Barracks and Robertson Barracks - new and upgraded health centre	✓				14	•				  Enhance facilities for defence personnel
US defence strategic fuel facility				✓	•			•		  Strategic defence facility for fuel reserve storage

✓ Projects are indicative only and remain subject to departmental, government second pass and parliamentary approvals.

# Tourism



*The Territory has wide open spaces, an abundance of wildlife, World Heritage listed national parks, waterfalls, swimming holes and the world's oldest living culture.*

Tourism is a critical sector in the Northern Territory, with the visitor economy worth 6.3 per cent of the Territory's gross value added (GVA) prior to the pandemic.

Prior to COVID-19, the sector was the largest employing industry in the Territory, supporting more than 12 500 jobs – 9.5 per cent of total employment in the Northern Territory.

The Northern Territory's Tourism Industry Strategy 2030 sets out the strategic direction to develop the tourism industry over the next decade. It proposes a target for overnight visitor arrivals of between 2.51 million and 3.03 million, accounting for between \$3.01 billion and \$3.67 billion in visitor expenditure by 2030.

COVID-19 has had a profound impact on the global visitor economy and impacts will be felt for many years. Significant changes to the tourism industry and operating environment are continuing to occur.

The rebound in tourism will be shaped by government policies, particularly around travel restrictions and national border controls, consumer confidence and the return of aviation access. At the same time, the degree of competition between destinations and countries for tourists will be greater than ever before.

Success in this competitive environment will require innovation in thinking and application within the tourism sector, along with government support until recovery is achieved. Investing in infrastructure now will put the industry in a good position to capitalise on consumers' desire to travel once COVID-19 restrictions are lifted.

Commercial opportunities in the Territory's National Parks can be co-developed with Traditional Owners, by preparing a practical National Parks development framework and investment toolkit, designed to attract and streamline investment in the Territory's National Parks.

A critical enabling factor for the tourism sector remains access. Investment in roads is essential to:

- provide year-round access to key sites and attractions
- enable use by all types of vehicles
- support visitor safety
- reduce wear and tear on tour operator vehicles.

Major new tourism infrastructure developments planned for Alice Springs, Darwin and Jabiru are necessary to provide visitors with new and compelling reasons to visit, or revisit, the Territory. Given the hyper-competition anticipated in the sector, the Territory needs to invest in 'new rides' or it will be left behind other destinations.

The Territory has always been blessed with wide open spaces and an abundance of natural beauty, much of which is within the national park estate.

The Australian Government has committed to upgrades in Kakadu and Uluru-Kata Tjuta national parks, which are key drivers for visitation. Improving the tourism experience within these parks will deliver significant increases in tourism across the Territory and support a wide range of businesses. Ongoing investment in new and current projects in the Northern Territory Government's park estate is essential.

Tourism NT markets and promotes the Territory in interstate and international markets. While overseas conversion focused activity is precluded by border closures, a greater emphasis is being placed on domestic markets, particularly the drive market that is insulated against reduced aviation access. Historically, the interstate holiday market for the Territory has been concentrated over the winter period, so marketing activities will focus on reducing seasonality by promoting travel over the summer season.

## DOMESTIC VISITORS TO THE NT

Holiday visitors to the Northern Territory were the largest group of domestic travellers in the 2019–20 financial year, comprising 44 per cent of all domestic visitation. Business visitors were the next largest group, accounting for 40 per cent of domestic visitation. Travellers visiting friends and relatives made up 12 per cent of visitors to the Territory – this proportion is smaller than in other Australian jurisdictions due to the Territory’s relatively smaller resident population.

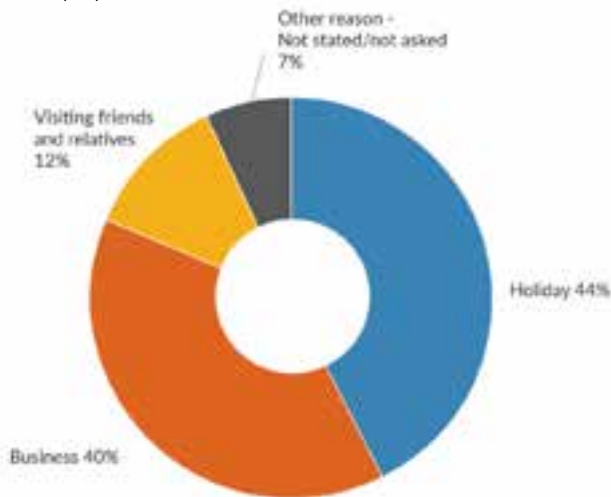


Figure: Domestic visitors to the NT 2019-20, by purpose of visit

The TERC *Final Report* identified that tourism has the highest job creation potential of all the sectors across all regions. More visitors means more jobs in accommodation, hospitality, and tourism experiences. While international tourism will take time to recover, opportunities for the domestic market remain strong, in particular the drive market.

## TERRITORY ECONOMIC RECONSTRUCTION - PROGRESS REPORT 1

The development of a dedicated NT Drive Strategy. The strategy will better identify opportunities to grow and accelerate the Territory’s drive tourism economy.

The priority road upgrades will be reassessed and updated to reflect information and opportunities presented by the publication of the NT Drive Strategy and the destination management plans (DMPs).

The Roadhouse to Recovery grant scheme was launched in November 2020, with a total of 35 recipients awarded in the first quarter of 2021. The two rounds of the program, \$4 million each, will assist regional and remote wayside inns and roadhouse operators undertake infrastructure projects to improve the on-ground visitor experience in the Territory. This will encourage visitors, particularly those undertaking a driving holiday, to stay in remote regions longer.



## PRIORITY PROJECTS

- **Regional destinations** – deliver actions identified in regional destination management plans
- **Tourism roads** – upgrades to enable access to key sites and attractions, working to year-round access
- **National Aboriginal Art Gallery** – in Alice Springs to house and exhibit a national Aboriginal art collection
- **Uluru Kata Tjuta National Park** – visitor experience upgrades
- **Larrakia Cultural Centre** – in Darwin to expand Aboriginal cultural offerings in the Territory
- **Future of Jabiru and Kakadu**, including delivering on the Kakadu Roads Strategy

## Key objectives







<i>Grow investment in the Territory's remarkable assets, products and regions.</i>	<i>Strengthen and showcase the Territory's distinctive Aboriginal cultural tourism experiences.</i>	<i>Grow the value of the holiday market in the Territory through strategic marketing activities.</i>	<i>Leverage and build events to drive visitation.</i>	<i>Develop ongoing access to and within the Territory.</i>	<i>Increase recognition of the value of tourism to the Territory.</i>
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Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Tourism Strategy - expand the quantity and quality of Aboriginal cultural offerings in the Territory		✓			40	1	●	●	●	 Improve facilities to support cultural experiences through tourism destination management plans (DMP)
Enhance recreational fishing infrastructure across the Territory^		✓			33	15	●	●		 \$50 million recreational fishing infrastructure program, enhancing fishing destinations
Improve regional and remote art centres/art trail products across the Territory		✓			15			●	●	 Improve facilities to support cultural experiences through DMPs
Parks and Wildlife remote parks - waste management facilities - recycling		✓			13		●	●	●	 Improve waste management and recycling systems in remote parks
Event infrastructure to increase and/or revitalise regional events including night time experiences		✓			10	2	●	●	●	 Improve facilities to support cultural experiences delivered through DMPs
Stuart Highway WWII and pastoral history and cultural journey experience		✓			10			●	●	 Improve facilities to support Territory history experiences delivered through DMPs
Remote park visitor sites - fire mitigation works - strategic water fill points - water security projects		✓			6		●	●		 Improve fire management practices, increase public access and support commercial opportunities in remote parks
Mountain Bike (MTB) new experiences		✓			2			●		 Develop new visitor experiences and encourage visitors to stay longer in the Territory
The Roadhouse to Recovery Fund - help upgrade infrastructure and amenities at roadhouses and wayside inns		✓		✓	●	●				 Territory's Jobs First Plan - to protect existing jobs, create new jobs, and prepare Territorians for the jobs of the future
Tourism roads	✓	✓	✓		●		●	●	●	 Enable access to key sites and attractions

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Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
National Aboriginal Art Gallery ^	✓	✓	✓	✓	180				•	 Exhibit and preserve Aboriginal art and culture
Lasseters Casino and Resort redevelopment				✓	100				•	 Support growth in tourism, convention and corporate travel markets
Connellan Airport at Yulara - upgrade runway, taxiway, apron and runway lighting	✓			✓	27	•				 Further develop and expand the tourism industry supported by Northern Australia Infrastructure Facility (NAIF)
Yulara / Uluru - establish a new Visitor Centre - establish new accommodation experience		✓		✓	25			•	•	 Improve facilities to support cultural experiences delivered through DMPs
Namatjira Art Gallery	✓	✓		✓	25				•	 Improve facilities in Hermannsburg to support cultural experiences delivered through DMPs
Alice Springs CBD Revitalisation ^ - CCTV - pedestrian linkages - shading and water play area		✓	✓		20	11			•	 Unlock business and industry development opportunities and create a safe and vibrant place for people to enjoy
Alice Springs Convention Centre - revitalisation				✓	20				•	 Enable growth in high yield convention and corporate markets
Alice Springs Airport - international airport status				✓	20				•	 Enable economic development
National Indigenous Cultural Centre ^		✓			20			•	•	 Exhibit and preserve Aboriginal art and culture
Alice Springs - expand mountain bike experiences and services		✓			18	1		•	•	 Improve facilities to support cultural experiences delivered through DMPs
Kings Canyon Resort - upgrades				✓	15	•				 Re-establish Kings Canyon as one of the most exciting resorts in Australia
Alice Springs Desert Park visitor experience development		✓		✓	12			•	•	 Enhance the visitor experience
Tjoritja/West MacDonnell National Park^ - adventure cycling track - visitor experience centre		✓		✓	12	11		•	•	 Expand tourism product to develop the economy and increase liveability
Alice Springs Telegraph Station visitor experience development		✓			10			•	•	 Improve amenity for the community and visitors



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
Cultural and heritage tourism experiences - new and upgraded		✓			10				•	 Support tourism opportunities
Ormiston campground redevelopment ^		✓			8			•		 Expand tourism product to develop the economy and increase liveability
Kings Creek Station - redevelopment and upgrade				✓	8	•	•			 Provide a unique, outback experience near Kings Canyon (Watarrka)
Watarrka National Park - develop a multi-day hike		✓			6	•	•	•		 Improve facilities to support cultural experiences delivered through DMPs
Ellery Creek Big Hole upgrade and seal access road and carpark		✓			5	2				 Improve access and the visitor experience
Mutijulu - establish campground with associated cultural experience within lease area		✓			5			•		 Support tourism opportunities to increase the cultural tourism experience
Hermannsburg Historical Precinct - finalise upgrades		✓			3	•				 Expand tourism product to develop the economy and increase liveability
Larapinta Trail realignments and facilities		✓			3	•	•	•		 Improve facilities and visitor experience on an iconic hiking track
Araluen Cultural Precinct upgrades		✓			2			•		 Support tourism opportunities
Alice Springs Tourism/Commercial Development				✓	•	•	•	•		 Provide additional accommodation and tourism products in Alice Springs
Alice Springs Airport - Runway 12/30 Overlay - RPT Apron improvements	✓			✓	•	•				 Improve visitor safety at key tourism destination supported by NAIF
Central Desert region - expand visitor accommodation		✓	✓	✓	•		•			 Promote Aboriginal tourism












Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
Battery Hill Mining Centre and Visitor Information Centre		✓			15	•	•	•		 Improve facilities to support cultural experiences delivered through DMPs
Tennant Creek Art and Culture upgrades - connecting the Arts Trail^ - upgrade Nyinkka Nyunyu Cultural Centre		✓			10	8	•			 Increase visitor numbers and length of stay in the Territory and enhance liveability with improved cultural facilities
Tennant Creek - quality accommodation options for tourists and business travellers		✓			10				•	 Improve facilities to support cultural experiences delivered through DMPs
Tennant Creek visitor experiences - gold rush and ore mining interpretive displays		✓			4	4	•			 Celebrate the Territory's history by establishing new gold rush and ore mining interpretive displays
Tennant Creek - Lake Mary Ann visitor amenities - toilet block - caravan park development			✓		4		3	•		 Improve council services
Newcastle Waters - off-highway camping facilities including cultural tourism offer		✓			4			•		 Improve facilities to support cultural experiences delivered through DMPs
Karlu Karlu - enhance overnight visitor amenities		✓			2			•		 Improve facilities to support cultural experiences delivered through DMPs



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)		
<b>Katherine Region (Big Rivers)</b>											
Judbarra / Gregory National Park - Matt Wilson Campground Development - Visitor interpretive centre - Gregory Cave / Limestone campground - Victoria River visitor hub - Keep River development		✓			37	•		•	•	 	Improve amenity for community and visitors
Leliyn (Edith Falls) Master Plan		✓		✓	34			•	•	 	Enhance the visitor experience and increase length of stay in the Territory
Nitmiluk Essential Services upgrade		✓			20			•		 	Essential service to support enhanced Tourism opportunities and potential private investment
New Riverside hotel		✓		✓	20			•		 	Enable growth in the tourism and corporate markets
Elsay National Park upgrades		✓			17	1	•	•	•	 	Enhance the visitor experience and increase length of stay in the Territory
Nitmiluk National Park visitor experience upgrades - Jatbula Trail - Nitmiluk Trail (Nitmiluk to Kakadu)		✓		✓	15				•	 	Improve amenity for the community and visitors
Katherine Art Gallery extensions - connecting the Arts Trail ^		✓			10	8	•			 	Increase visitor numbers and length of stay in the Territory and enhance liveability with improved cultural facilities
Pine Creek tourism facilities and walking trails		✓	✓		6			•	•	 	Increase tourist attractions for travellers
Revitalise Katherine CBD - develop green spaces - Wetlands on the Terrace - Cenotaph function site		✓	✓	✓	5				•	 	Unlock business and industry development opportunities and create a safe and vibrant place for people to enjoy
Limmen National Park visitor facility enhancement		✓			4				•	 	Improve visitor facilities to encourage extended visitor stays in the Territory
Art Site access improvements - Limmen National Park - Judbarra National Park - Keep River National Park		✓			3				•	 	Improve accessibility and improve visitor experience in parks
Bullo River Station - new guest lodge and luxury cabins				✓	2	2				 	Provide a unique, unforgettable outback experience

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>East Arnhem</b>										
Arnhem Art Gallery extensions - connecting the Arts Trail ^		✓			10	10	•			  Increase visitor numbers and length of stay in the Territory and enhance liveability with improved cultural facilities
Gove Port Tourism Precinct development	✓	✓		✓	8		•			  Support existing tourism operators, and attract new yacht and cruise tourism operators to the region
<b>Top End</b>										
Future of Jabiru and Kakadu ^ - new wastewater treatment - new power station - National Broadband Network (NBN), mobile and Wi-Fi services - Bininj Resource Centre - visitor, campground and road upgrades - government services hub - multi-use medical centre - education precinct - World Heritage Interpretive Centre - luxury hotel accommodation - asbestos remediation	✓	✓		✓	446	75	•	•	•	  Infrastructure to position Jabiru post-mining as a tourism and regional services hub
Litchfield National Park - Central Valley visitor experience including new campgrounds - Tolmer Falls campgrounds - Tableland Creek camp sites - walking tracks - upgrade existing facilities - accommodation resort		✓			47	3		•	•	  Expand tourism products, based on visitor experience development plans, to develop the economy and increase liveability



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
Tjuwalyin (Douglas Daly) Hot Springs - campgrounds - ablution facilities		✓		✓	10		•	•	•	 Improve amenity for community and visitors
Back Country Hunting area - access roads, camp sites, ablution facilities, directional and safety signage		✓			9				•	 Improve access to recreational hunting
Fogg Dam Conservation Reserve - works to dam wall		✓			4	•	•	•		 Develop and secure Fogg Dam as the premier site for birdwatching close to Darwin to grow the bird watching tourism sector
Mary River National Park development - campgrounds - 4WD tracks		✓			4				•	 Improve accessibility and camping experience in parks
Northern Australian Rail Trail - encounter cultural and heritage sites between Adelaide River, Batchelor and Snake Creek siding		✓			4				•	 Develop a rail trail tourist attraction along the old Northern Australia Railway route with the first stage between Batchelor and Adelaide River
Garig Gunak Barlu National Park walking track		✓		✓	2				•	 Improve accessibility and improve visitor experience in parks
Butterfly Gorge - Campground and access track extensions		✓			1		•			 Improve accessibility and improve visitor experience in parks
<b>Palmerston and Litchfield</b>										
Territory Wildlife Park - upgrade critical infrastructure		✓			3	3				 Improve safety and operational efficiencies
<b>Darwin</b>										
Darwin CBD Revitalisation (part of City Deals*)^ - State Square car park replacement and landscaping - CDB Art Gallery - greening and cooling	✓	✓	✓	✓	200+	55	•	•		 Unlock business and industry development opportunities and create a safe and vibrant place for people to enjoy
Waterfront Precinct - new luxury hotel		✓		✓	200			•		 Support growth in tourism, convention and corporate travel markets
Little Mindil Resort				✓	200		•			 Support growth in luxury tourism, convention and corporate travel markets
Lamaroo - new tourism precinct	✓		✓		140		•	•		 Enhance the amenity of the area

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
The Escarpment – luxury hotel				✓	120		•			Support growth in luxury tourism, convention and corporate travel markets
Darwin CBD - Daly Street - 24 storey motel with restaurant and car parking				✓	40			•		Increase availability of quality tourist and corporate accommodation in the CBD
Darwin International Airport - road improvements - mechanical works - aerobridge replacement - RPT apron expansion - automatic bag drop installation - HV electrical upgrades - carpark upgrade with solar - carpet replacement				✓	39	•	•			Enhance airport facilities
International resort at Darwin International Airport				✓	20	•	•			Create a world class destination resort in Darwin
George Brown Darwin Botanic Gardens ^ - new plant display house - essential services, path network and irrigation upgrade - ephemeral wetland with boardwalk - new entrance and carpark - Friends of the Gardens work area upgrade		✓			19			•	•	Expand tourism product to develop the economy and increase liveability
Mindil Beach upgrade and redevelopment - upgrade public amenities - upgrade security lighting - new road pavement - new playground - upgrade beach access for all abilities			✓		8	•	•	•		Enhance the amenity of the area and recognise the cultural significance of the area
Shoal Bay Hunting Reserve		✓			6			•	•	Recreational hunting
Buffalo Creek upgrades to increase parking		✓			6				•	Recreation and fishing
Larrakia Cultural Centre^	✓	✓		✓	•	•	•	•		Exhibit and preserve Aboriginal art and culture
Darwin International Airport Master Plan				✓	•				•	Respond to growth in the aviation sector

# SOCIAL INFRASTRUCTURE

While social infrastructure assets are often considered individually, social infrastructure networks, as a whole, play a significant role in supporting the Territory's economy, liveability and sustainability. Social infrastructure helps retain workers in the Territory long term.

Liveability outcomes vary across the Territory. Targeted improvements that increase liveability are needed to make the Territory's growth hubs attractive to retain population.

Liveability plays a strong part in attracting and retaining people to live in the Territory, which affects the Territory's ability to provide the skilled workforce to grow sustainably.

Although livability can mean different things to different people, it often includes core considerations such as ensuring quality of public spaces, valuing the natural environment, access to services, safety, sense of community and social and recreational opportunities.

Ensuring liveability requires long term planning approaches to enable balanced decisions that deliver effective and efficient city and regional development.

This includes using place based approaches to build thriving communities.

In the Territory, liveability requires active consideration of heat mitigation and energy efficient design to improve comfort and amenity from public places to residential housing design.

Liveability requires all Territorians to have access to safe and affordable housing. In recent years the Territory has made progress in improving the availability of remote housing, but there is still a long way to go.

While this work continues, the Territory needs to ensure that the availability of quality affordable urban housing keeps pace with the needs of a growing economy.

With a population target of 300000 by 2030, planning will need to ensure that social infrastructure keeps pace with demand.

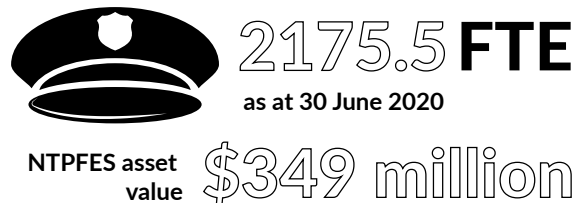
## Education and Training

- ◆ Deliver a high quality education infrastructure and environment to provide opportunity for children to learn and grow providing better outcomes for the community
- ◆ Develop a continuous learning environment to enable a skilled, innovative, capable workforce for current and future industries
- ◆ Further develop the university and international education

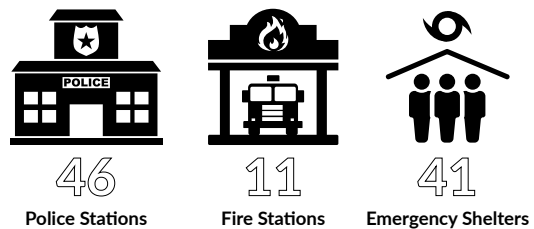


## Public Safety and Justice

- ◆ Police, fire and emergency services support across the Territory to provide a safe place for communities to thrive
- ◆ Emergency management and preparedness
- ◆ Courts
- ◆ Detention centres and prisons
- ◆ Women's safe houses and safe spaces

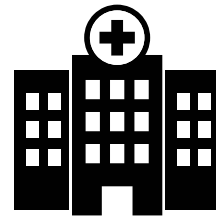


NT Government schools asset value \$1.306 billion



## Health

- ◆ Deliver health services that are fit for purpose, meets required standards and are maintained
- ◆ Provide sustainable health care driven by need, models of care, technology and clinical advancements



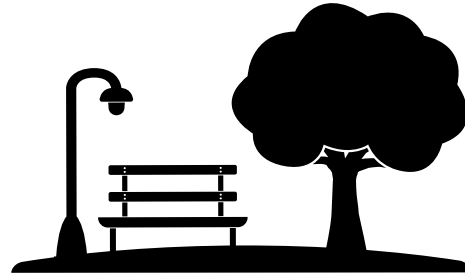
6 Public Hospitals  
1 Private Hospital

Central Australia Health Services and Top End Health Services asset value

\$1.392 billion

## Art Culture and Active Recreation

- ◆ Build and support natural and built which enable community to exercise play sport, relax and connect with arts and culture
- ◆ Maintain, enhance and support recreation infrastructure to provide communities with increased liveability through improve active health and wellbeing
- ◆ Build on the Arts and Cultural infrastructure to provide community with the opportunity for creativity and growth in knowledge of all Australian communities, particularly Northern Territory Aboriginal arts, culture and community



85 parks and reserves are managed by the Northern Territory Government

## Housing

- ◆ Choices for diverse, quality housing options supports liveability and lifestyle affordable housing is a long term asset that provides a safe, quality living environment for families



Residential building approvals

\$351 million

in year to January 2021

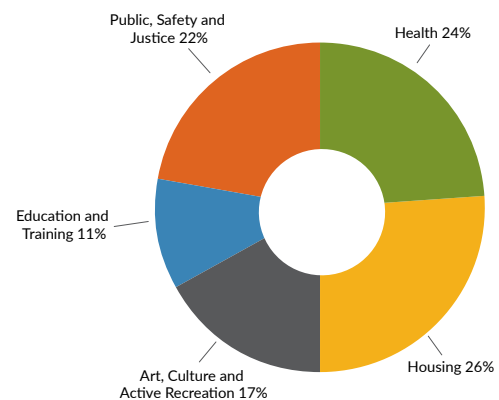
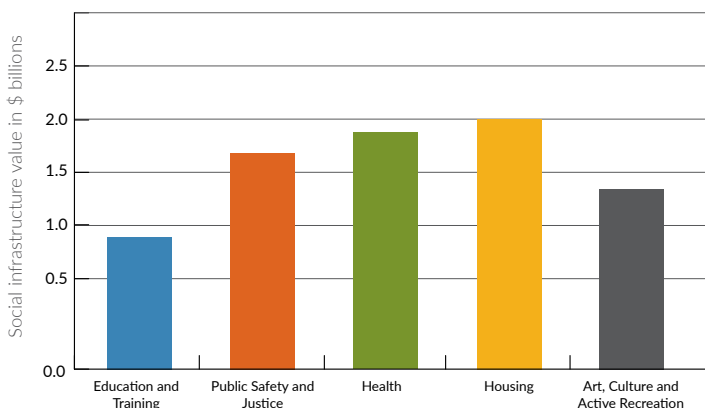
10,852 social housing dwellings (as at June 2019)

Housing demand modelling indicates that around

8,000 to 12,000

additional dwellings are required across the NT by 2025

Total estimated value of social infrastructure projects in this Plan is almost \$8 billion



# Education and Training



*Building a skilled and innovative workforce, through a strong education system, will deliver a future ready workforce.*

Territory students can access high quality education services through government, non-government, homeland, distance learning centres, higher education, special schools and early childhood and family centres.

Education requires a system-wide approach and is closely linked to housing, health and social infrastructure. With a solid education, our children can learn the skills needed to get a job and contribute to building our economy.

Delivering early childhood facilities to provide a good start for early childhood students in an Aboriginal environment in the Territory requires investment in child and family centres to help families access support by connecting them to appropriate services.

The Territory continues to focus on creating a capable local workforce engaging its population by linking education to real employment opportunities as close to home as possible. Education and skills outcomes for Aboriginal employment and participation continue to be supported and are strengthening over time.

A high quality skilling industry that delivers contemporary education and training ensures the Territory workforce is future ready. This needs to be aligned with future workforce gaps to anticipate, drive and respond to demand.

Enabling education partners, communities and skilling industries to meet the future workforce demand for training and education will help develop a workforce capable of adapting quickly to meet demand.

Underpinning this is a fit for purpose education system covering early childhood to school years.

The system delivers foundational skills, pathways to employment and higher education with a focus on educating students in science, technology, engineering, arts and mathematics (STEAM), capturing innovation and industry opportunities.

Tertiary education cements these education building blocks. Charles Darwin University (CDU) is an important institute for the Territory. Delivering higher education and vocational training will become an economic enabler.

The CDU Education and Community Precinct, a Darwin City Deal project, will deliver a world class city campus, which is expected to contribute to a \$600 million increase to the Darwin economy over the next 30 years. The City Deal is a joint initiative of the Australian and Northern Territory Government and the City of Darwin.

Globally, competition in the higher education and training sector is fierce. However, the trend towards knowledge sharing and increased public value, particularly for vulnerable and First Nations people, underpinned by relentless digital transformation and regionalisation is an opportunity for CDU.

International education will continue as a priority for the Territory, along with international and remote boarding facilities.

Increasing purpose built student accommodation and private rental market properties will encourage students and investment opportunities and grow our COVID-19 safe international and regional education sector.

The ability to identify and re-purpose infrastructure and facilities to create a future workforce will be the focus of delivering a skilled, capable and innovative workforce of the future.

## PRIORITY PROJECTS

- **Education and Community Precinct** – including a new Charles Darwin University city campus
- **Investing in remote infrastructure** – remote school renewals and upgrades
- **Building Better Schools** – provide funding for every Territory school for education focused upgrades
- **Starting Early for a Better Future** – partnering with Aboriginal organisations and communities to establish 11 new Child and Family Centres across the Territory
- **Haileybury Rendall School** – international boarding facility
- **Barkly Regional Deal** – student boarding accommodation

## Key objectives

<i>Empower communities to be involved, giving every child the opportunity to engage, grow and achieve.</i>	<i>Differentiated, support - tailored evidence-based strategies to support education facilities, schools and students.</i>	<i>Access to continuous learning environment to enable a skilled, innovative, capable workforce for future industries.</i>	<i>Establish quality standards, methodology and service models for school performance to foster child and student learning and growth.</i>	<i>Target investment to provide flexible learning environments in childcare, schools, TAFE, universities and private industry.</i>	<i>Deliver services to children to maximise their educational outcomes and wellbeing from early to senior school years and beyond.</i>
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Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Territory Schools - air-conditioning mechanical and electrical upgrades		✓			50			●	●	Improve infrastructure to support student enrolments
Homeland learning centres - upgrade		✓			15		●	●	●	Provide new and improved infrastructure to support educational programs and services
Starting Early for a Better Future - child and family centres		✓			5	1	●			Establish Aboriginal controlled child and family centres in partnership with communities across the Territory
Rooftop photovoltaics for Territory Schools		✓			5	1				Increase renewable energy generation
Students with additional needs (SwAN) infrastructure investment		✓			5	3				Provide improved infrastructure to support inclusive educational programs and services
Building Better Schools - non-government schools - government schools		✓			3	●				Improve infrastructure to support student enrolments
Acoustic upgrades program		✓			2	●				Provide improved infrastructure to support educational programs and services

A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

^ Indicates projects that display in two sectors.









✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
Centralian Senior College Master Plan - replace airconditioning - upgrade study and open learning area - upgrade entry and reception		✓			9			•	•	  Upgrade Infrastructure to support student learning
Yuendumu School - redevelopment		✓			8			•		  Improve the built environment to support student enrolments
Remote Schools Renewal - Engawala, Gillen, Haasts Bluff, Harts Range, Imanpa, Ntaria, Nyirripi, Sterling Station (Wilora), Titjikala, Wallace Rockhole, Walungurru, Watiyawanu (Mt Liebig), Yuelamu		✓			7			•	•	  Improve infrastructure to support student enrolments
Braitling Primary School Master Plan - refurbish internal areas		✓			4				•	  Refurbish ageing infrastructure to enable the continued delivery of quality education
Willowra School - replace classroom block		✓			3				•	  Improve the built environment to support educational programs and services
Bradshaw Primary School - four classroom block		✓			3				•	  Enable the continued delivery of quality education and support student enrolments
Papunya School Master Plan - new preschool and administration		✓			3			•		  Provide new and improved infrastructure to support educational programs and services



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
Centralian Middle School Master Plan - upgrade to STEM (Science, Technology, Engineering and Mathematics)		✓			3			•		 Upgrade Infrastructure to support student learning
Ross Park Primary School Master Plan - refurbish upper primary four classroom block		✓			2				•	 Improve the built environment to support educational programs and services
Larapinta Primary School - extend and upgrade Administration building		✓			1				•	 Upgrade Infrastructure to support student learning
Arlparra - homeland centre		✓			1				•	 Upgrade Infrastructure to support student learning
Aviation Academy - pilot school		✓		✓	•				•	 Enable economic development with a world class academy for national aviation students
<b>Barkly</b>										
Barkly Regional Deal - student boarding accommodation	✓	✓	✓		13	13				 Support education options within the region
Tennant Creek High School - new building for STARS and Clontarf - Science, Technology, Engineering, Arts and Mathematics (STEAM)		✓			8	2		•		 Provide new and redeveloped infrastructure to support educational programs and services
Alekarenge School Master Plan - new school infrastructure		✓			7			•		 Enable the continued delivery of quality education and support student enrolments
Tennant Creek Primary School - install lift for accessibility - replace early years classroom block		✓			4			•		 Provide new and improved infrastructure to support educational programs and services
Remote Schools Renewal - Ampilawatja, Canteen Creek, Epenarra, Mulga Bore, Sterling Station (Wilora) and Tennant Creek		✓			3			•	•	 Improve infrastructure to support educational outcomes
Alpurrurulam School - replace classrooms		✓			2				•	 Improve infrastructure to support student enrolments
Murray Downs School - replace ablutions		✓			1				•	 Replace infrastructure at end of economic life to support educational outcomes

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Katherine Region (Big Rivers)</b>										
Kintore Street School - new special school from preschool to year 12		✓			25				•	 Relocate to non-flood area with new and improved infrastructure to support educational programs and services
Katherine East Neighbourhood Centre - education facilities - child care centre		✓	✓	✓	7	•	•			 Support education options within the local area
Katherine High School Master Plan - redevelop to include Science, Technology, Engineering, Arts and Mathematics (STEAM) Centre		✓			6			•		 Provide new and improved infrastructure to support educational programs and services
Remote Schools Renewal - Amanbidji, Barunga, Bulla, Bulman, Clyde Fenton, Jilkminggan, Lajamanu, Minyerri, Pigeon Hole, Robinson River, Timber Creek and Wugularr		✓			6				•	 Improve infrastructure to support student enrolments
Kalkarindji School replacements - administration block, library, canteen and lower primary block		✓			5			•		 Replace ageing infrastructure to enable the continued delivery of quality education
Casuarina Street Primary School Master Plan - convert library to early learning centre - refurbish student support hub		✓			4			•	•	 Provide new and improved infrastructure to support educational programs and services
Wugularr School (Beswick) - secondary education classrooms		✓			3				•	 Improve infrastructure to support student enrolments
Barunga - vocational child care facility	✓			✓	3				•	 Deliver quality child care services

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>East Arnhem</b>										
Milyakburra - Anindilyakwa Boarding School - stage 1	✓	✓		✓	26	•	•			 Support education options within the region
Shepherdson College Master Plan - special education - expand preschool for Families as First Teachers (FaFT)		✓			9				•	 Provide new and improved infrastructure to support educational programs and services
Yirrkala School Master Plan - replace admin and arts block roof - replace multi-purpose and walkway roof - upgrade Middle School and specialty areas - new classroom block		✓			8	3	•	•	•	 Improve the built environment to support educational programs and services
Numbulwar School - replace elevated classroom and canteen		✓			4				•	 Provide new and improved infrastructure to support educational programs and services
Alyarmandumanja Umbakumba School		✓			3				•	 Replace ageing infrastructure to enable the continued delivery of quality education
Milingimbi School - refurbish administration block, library and classrooms		✓			3				•	 Provide new and improved infrastructure to support educational programs and services
Remote Schools Renewal - Alyangula, Numbulwar, Ramingining and Waruwi		✓			2			•		 Provide improved infrastructure to support educational programs and services
Langarra Homeland school - replace classroom		✓			2	2				 Replace ageing infrastructure to enable the continued delivery of quality education

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
Minjilang (Mamaruni) School - new basketball court - replace preschool		✓			5		3		•	  Provide new and improved infrastructure to support educational programs and services
Gunbalanya School - upgrade ageing facilities - replace administration building		✓			3				•	  Improve infrastructure to support student outcomes
Palumpa School - Integrated Early Learning Facility		✓			3				•	  Improve infrastructure to support children and families
Maningrida School Master Plan - covered walkways - new early years classrooms and play areas - refurbish upper primary buildings - upgrade and extend middle years buildings		✓			2				•	  Provide new and improved infrastructure to support educational programs and services
Remote Schools Renewal - Palumpa, Peppimenarti, Pularumpi and Warruwi		✓			2				•	  Improve infrastructure to support educational programs and services
Adelaide River School - new preschool building		✓			2				•	  Provide new and improved infrastructure to support educational programs and services



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
Taminmin College Master Plan - multi-purpose community hall		✓			15				•	  Improve infrastructure to support student enrolments
Palmerston College Master Plan - Middle campus additional science lab - Middle campus multi-purpose development centre - Senior campus acoustic upgrade to student atrium space		✓			9			•	•	  Improve infrastructure to support early years students
Mackillop Catholic College - VET training centre - performance auditorium - grandstand facilities	✓			✓	6	2		•	•	  Provide new and improved infrastructure to support educational programs and services
Humpty Doo Primary School Master Plan - replace preschool with early childhood classrooms - replace and extend Administration building		✓			5			•	•	  Provide new infrastructure to support educational programs and services
Bees Creek School Master Plan - new double preschool - new classroom block		✓			5				•	  Improve infrastructure to support student enrolments
Forrest Parade School - early intervention centre		✓			4			•	•	  New facilities to support educational outcomes
Berry Springs - child care centre		✓	✓	✓	3		•	•		  New infrastructure to support children and families
Girraween Primary School Master Plan - new four classroom block		✓			3				•	  New facilities to support educational outcomes
Driver Primary School Master Plan - shade structure - administration building additions		✓			2	•			•	  Infrastructure to support learning outcomes
Durack Primary School Master Plan - administration building additions		✓			1				•	  Infrastructure to support students educational outcomes

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Education and Community Precinct - including a new Charles Darwin University campus in the CBD ^	✓	✓		✓	225	108	•	•		 Unlock business and industry development opportunities and create a safe and vibrant place for people to enjoy
Charles Darwin University - Casuarina campus optimisation	✓			✓	25	2	•	•		 Enhance education services and facilities
Casuarina Senior College Master Plan - upgrade Block E - upgrade Block A		✓			12				•	 Provide new and improved infrastructure to support senior educational programs and services
Leanyer Primary School Master Plan - new classrooms - early years and community hub - upgrade learning resource centre		✓			12	•			•	 Improve infrastructure to support student enrolments
Transportable classroom program		✓			11	6				 Provide flexible infrastructure to support educational programs and services
Darwin High School Master Plan - refurbish Block B (music and arts) - refurbish Block A (classrooms)		✓			11				•	 Improve infrastructure to support educational priorities
Haileybury Rendall School – international boarding school facility	✓	✓			10	10				 New infrastructure to support student enrolments and educational outcomes
Nightcliff Middle School Master Plan - redevelop infrastructure into a contemporary learning environment - outdoor recreation - traffic calming		✓			9			•		 Provide new and improved infrastructure to support educational programs and services
Parap Primary School Master Plan - preschool redevelopment - upgrade four classroom block		✓			9			•	•	 Provide new and improved infrastructure to support educational programs and services
Ludmilla Primary School Master Plan - new admin and through access road		✓			9				•	 Improve infrastructure to support student enrolments
Moil Primary School Master Plan - redevelop infrastructure into a contemporary learning environment		✓			8			•		 Provide new and improved infrastructure to support educational programs and services

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Dripstone Middle School Master Plan - redevelop facilities into STEAM		✓			6			•		  Provide a contemporary STEAM Centre for students
Wulagi Primary School Master Plan - upgrade classrooms and library - install lift for accessibility		✓			6				•	  Upgrade infrastructure to support education
Larrakeyah Primary School Master Plan - additional four classrooms - preschool redevelopment		✓			5			•		  Provide new and improved infrastructure to support educational programs and services
Manunda Terrace School - basketball court upgrades		✓			•			•		  Provide new and improved infrastructure to support educational programs and services
Malak Primary School - basketball court upgrades		✓			•			•		  Provide new and improved infrastructure to support educational programs and services
Nightcliff Primary School Master Plan - replace demountables with four new classrooms		✓			3			•		  Provide new and improved infrastructure to support educational programs and services
Mimik-Ga Centre (Henbury Avenue) Master Plan - early intervention hub		✓			3				•	  Provide new and improved infrastructure to support educational programs and services
Wanguri Primary School - four new classrooms		✓			3				•	  New infrastructure to support local population growth and educational outcomes
Stuart Park Primary School - new four classroom block		✓			3				•	  New infrastructure to support local population growth and educational outcomes
Nakara Primary School - major classroom refurbishment		✓			2				•	  Improve infrastructure to support student enrolments
Education and Training Unit - refit Cascom 2B		✓			1	1				  Improve Territory Families services
Milner Primary School - accessibility in schools		✓			1			•		  Provide new infrastructure to support accessibility to education

# Public Safety and Justice



*The Northern Territory has a large network of infrastructure to provide public safety, child protection and justice services for more than 245 000 Territorians.*

The Northern Territory Government recognises the need to provide facilities that achieve an affordable balance between security, public safety, response capability, opportunities for rehabilitation and reintegration, response to gender, cultural and individual needs of young people, as well as providing appropriate health, mental health and education programs.

Northern Territory Police, Fire and Emergency Services require the infrastructure to provide a safe and resilient Territory with appropriate workplaces and facilities. These facilities help empower communities to develop and maintain the capacity to recover from difficulties through preparation, prevention and response planning to improve community safety and social amenity.

The Northern Territory's COVID-19 rapid response delivered infrastructure and facilities to provide border and biosecurity services for Territorians.

Public safety and justice facilities, assets and resources should reflect contemporary technological advancements to enable services to be delivered to communities across a large geographical area.

Domestic, family and sexual violence are serious crimes that affect victims, their families and whole communities.

There is continued investment to provide integrated child and family centres and safe and secure Women's Safe Houses for women and accompanying children who are escaping domestic violence in their homes or community.

*"It is imperative that the Northern Territory justice system provides a safe and supportive environment for victims and survivors of domestic and family violence."*

**Larissa Ellis, Chief Executive Women's Safety Services of Central Australia.**

The recently complete specialised domestic violence court in Alice Springs, was a first for the Territory.

Investing in the future of young Territorians is ongoing. Purpose Built and responsive infrastructure is required to target and address offending and anti-social behaviour to put young people back on track, while taking responsibility for their actions. Trauma informed design that helps deliver restorative practice is key.

Investment is needed to:

- provide youth focused infrastructure that focuses on diversionary programs, after hours youth activities and reintegrating young people back into the community
- explore private sector investment opportunities for infrastructure to support children, families, the justice system and our police, fire and emergency services
- construct, replace or upgrade ageing remote police and emergency service infrastructure to help reduce the significant distance between essential services and remote localities
- provide effective and efficient emergency response to minimise the impact of disasters on the community and build resilience.

## PRIORITY PROJECTS

- **New Police Stations at Maningrida and Ngukurr**
- **Remote Women's Safe Houses** – upgrading crisis accommodation that support women and children when sheltering from domestic violence
- **Darwin and Alice Springs Youth Justice Centre** - safe and secure Youth Justice facilities
- **Palmerston Regional Fire, Rescue And Emergency Services Complex**
- **Barkly Region Youth Justice Facility** - to tackle youth crime and anti-social behavior, face the consequences of their actions and are supported to stop offending

## Key objectives

Ensure a safe and resilient community by supporting the vulnerable and disadvantaged, and protect children from harm.

Provide a strong, responsive, contemporary justice system to ensure everyone has access to opportunities and resources to participate in society.

Prevent crime by reducing domestic and family violence, focus on youth crime and target the drivers of crime including alcohol and other drugs.

Achieve an affordable balance between security, safety, opportunity for rehabilitation and reintegration with youth-focused infrastructure.

Enhance the resilience and response capability of our emergency services.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Security enhancements to police facilities		✓			9		●	●	●	 Address safety and security issues
Women's Safe Houses - upgrade - install play equipment		✓			3	1	●	●		 Improve outcomes for children and families
Asbestos management of unidentified asbestos prior to Northern Territory Government infrastructure development		✓			●		●	●	●	 System wide removal of asbestos in Government assets
Police facilities in regional and remote communities		✓			●		●	●	●	 Increase service delivery and improve community safety by providing facilities that meet current standards




















A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

^ Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
National Correctional Facility	✓			✓	350				•	  Address safety and security issues and increase in capacity
New police stations including housing, visiting officers quarters (VOQ) and associated infrastructure - Hermannsburg, Papunya and Santa Teresa	✓	✓			44				•	  Improve service delivery for safety outcomes and support population growth
Alice Springs Youth Justice Centre - redevelopment - fit out		✓			19	19	•			  Improve outcomes for young people in detention
Youth justice court		✓			15				•	  Findings of the Royal Commission
New emergency services facilities - Alice Springs, Harts Range, Hermannsburg, Kintore and Yuendumu		✓			12			•	•	  Improve service delivery for safety outcomes and support emergency response
Police housing at Ntaria, Papunya, Santa Teresa and Yuendumu		✓			10			•	•	  Increase service delivery for safety outcomes
Alice Springs Police Station - renovation including training area and visitor officer quarters (VOQ's)	✓	✓			6				•	   Improve service delivery for safety outcomes and support emergency response
Alice Springs Correctional Centre - security upgrades - relocate female prisoners		✓			4				•	  Address safety and security issues and increase in capacity



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
New police station, housing, visiting officer quarters and associated infrastructure - Ali Curung, Alpururulam, Elliott and Ti Tree	✓	✓			48			•	•	  Improve service delivery for safety outcomes and support emergency response
Barkly Regional Deal - Youth Justice Facility - Back on Track safe accommodation - renovate Tennant Creek watchhouse - Alpururulam Police station video conference	✓	✓	✓		11	7	•			  Improve service delivery for safety outcomes and support population growth
<b>Katherine Region (Big Rivers)</b>										
New police station, housing and VOQ in Borroloola, Kalkarindji, Mataranka and Timber Creek	✓	✓			52				•	  Improve service delivery for safety outcomes and support population growth
New police station, housing, visiting officer quarters and associated infrastructure - Beswick, Minyerri and Pine Creek	✓	✓			36			•	•	  Improve service delivery for safety outcomes and support emergency response
Katherine - new police station and VOQs	✓	✓			35				•	  Improve service delivery for safety outcomes and support population growth
Ngukurr - new police complex with additional housing	✓				14	14				  Improve service delivery for safety outcomes and support population growth
Katherine NT Emergency Services facilities and VOQs		✓			9			•		  Increase in service requirements and improve community safety
Katherine Court House upgrade		✓			7				•	  Increase in service requirements
Purpose-built structure for NT Emergency Services - Daly River, Lajamanu, Timber Creek and Wadeye		✓			6				•	  Upgrade site services to meet current standards
Police housing at Nauiyu (Daly River) and Lajamanu		✓			2			•		  Increase service delivery for safety outcomes
Relocate Director of Public Prosecutions Katherine Office		✓			1			•		  Increase in service requirements and improve proximity to courts

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>East Arnhem</b>										
New police stations including police housing, visiting officers' quarters and associated infrastructure - Milingimbi and Nhulunbuy	✓	✓			43			•	•	 Improve service delivery for safety outcomes and support emergency response
Gunbalyanya - new police station, housing, VOQs and associated infrastructure	✓	✓			14				•	 Increase service delivery for safety outcomes
Galiwinku Police Complex - expand and renovate police station, construct new VOQs and three additional houses	✓	✓			8				•	 Increase service delivery for safety outcomes
Purpose-built structure for NT Emergency Services - Galiwinku, Gapuwiyak, Gunbalanya, Numbulwar and Ramingining		✓			7				•	 Improve emergency services to ensure community safety
Nhulunbuy Fire station upgrade		✓			4				•	 Upgrade station to meet current standards
Police housing at Numbulwar and Ramingining		✓			2			•		 Increase service delivery for safety outcomes
Umbakumba - alternative to custody facility				✓	2	2				 Provide community based options to detention
Galiwinku Women's Safe Space		✓			1	•				 Improve support for victims of domestic violence



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
New police station, housing and VOQs in Adelaide River, Peppimenarti and Wurrumiyanga	✓	✓			36				•	 Improve service delivery for safety outcomes and support population growth
Maningrida - new Police Station - police housing and VOQs - additional police housing	✓	✓			29	16			•	 Increase in service requirements and improve community safety
Asbestos removal in Council buildings	✓	✓	✓		6	1	3	•	•	 Remove asbestos in Council assets
Milikapiti - cyclone shelter		✓			5			•		 Provide community facilities to support community safety
Purpose-built structure for NT Emergency Services - Cox Peninsula, Maningrida and Pirlangimpi		✓			4				•	 Improve emergency services to ensure community safety
Police housing at Milikapiti and Pirlangimpi		✓			7			•		 Increase service delivery for safety outcomes



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
Holtze Prison - additional facilities for 350 beds		✓		✓	500			•		 Improve service delivery for safety outcomes and support population growth
Women's Correctional Facility - separate purpose built facility for women in prison		✓			160				•	 Address recommendations of the Ombudsman's report
Darwin Youth Justice Centre		✓			64	40	•			 Improve outcomes for young people in detention
New Palmerston regional fire, rescue and emergency services complex		✓			25	18				 Provide effective emergency response and improve community safety
Bushfires Headquarters - final stage		✓			4				•	 Provide effective emergency response and improve community safety
Humpty Doo - amalgamation of Career Fire Station and Volunteer Fire Stations		✓			3				•	 Improve emergency services to ensure community safety
Back on Track - Litchfield Youth Camp	✓	✓			1	1				 Improve outcomes for children and families
National Critical Care and Trauma Response Centre - Bees Creek training facility^	✓	✓		✓	•			•		 Ensure the Territory has expertise to respond to a crisis



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers	
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)		
<b>Darwin</b>											
John Stokes Square redevelopment ^ - Nightcliff Police Station - social housing - space for non-government organisations		✓			45	•					Redevelop infrastructure to improve services
New Water Police Complex		✓			40				•		Upgrade site services to meet current standards
Peter McAulay Centre - shade structure over parade grounds - international college accommodation - main building upgrade - new exhibits / property storage facility		✓			22	1			•		Increase in service requirements and improve community safety
Peter McAulay Centre - new local and international joint Asia Pacific Emergency Response Training Complex		✓			20				•		Increase in service requirements and improve community safety
New permanent whole of government Emergency Operations Centre		✓			20				•		Improve emergency services to ensure community safety
Myilly Point asbestos remediation		✓			15				•		Create a safe place free of asbestos
Darwin Local Court fit out		✓			1	1					Increase in service requirements





*The Northern Territory will be a world leader in delivering remote health through collaboration, excellence and innovation.*

Health infrastructure is more than just hospitals and health clinics. Other key services provided include:

- Aboriginal and Torres Strait Islander health
- hybrid operating theatres
- renal services
- mental health
- allied health
- aged care
- alcohol and other drugs
- ambulance services
- suicide prevention
- trauma / disaster
- dental / hearing
- health literacy.

Infrastructure is a strategic enabler to maintain the health of Territorians. Health infrastructure is by its very nature a complex combination of structures and systems integrated to ensure safe and efficient patient flow and point of care treatment. The health estate includes major and regional hospitals, rural and remote clinics and supporting infrastructure and services.

The Northern Territory Government is focused on ensuring the infrastructure required to deliver health services is fit for purpose, meets required standards and is maintained and replaced as required. This is achieved through partnerships between the Department of Infrastructure, Planning and Logistics and the Department of Health.

Key to providing sustainable health care is the need to design and deliver infrastructure that is responsive and adaptable to changing needs and models of care. This is driven by technological and

clinical advancements and other unplanned factors, including COVID-19.

Access to high quality primary health care is essential to enhancing the health status of ageing and Indigenous Territorians.

The Australian, Northern Territory and local governments share responsibility for running our health system. Health spending in the Northern Territory is the highest in the country – about 30 per cent higher per person than the national average.

Local governments, non-government organisations (NGOs), Aboriginal organisations and the private sector all play an important role in delivering the health care system.

NGOs partner with government to drive infrastructure enhancements in primary health care, aged care, community health services and Aboriginal services. NGOs provide coordinated and flexible care for Territorians with chronic and complex health conditions.

Major investment in health infrastructure continues to:

- refurbish or replace aged assets that are no longer suitable for delivering health care
- respond to growing demands for mental health services in the acute and community environments
- responding to a growing demand for renal services across the Territory
- upgrade pathology, mortuary and grieving facilities to meet coronial and client expectations
- maintain the health estate so it is fit for purpose and compliant with regulations and standards.

Health infrastructure requirements will create opportunities for local construction industry suppliers and contractors.

There will be opportunities for the private sector to invest in building health infrastructure that can be leased back to the government and health service providers.

Strategic planning decisions will be made to meet forecast clinical needs in alignment with the condition and priority of the assets.

## PRIORITY PROJECTS

- **Royal Darwin Hospital**
  - improved acute mental health facilities
  - upgrade pathology, mortuary and grieving facilities
  - PET scanner cyclotron project
- **Staff accommodation** - in Alice Springs and Tennant Creek
- **Alice Springs Hospital** - new ambulatory care centre and new multi-storey car park
- **Remote Health Centres**
  - rolling program of upgrades

## Key objectives

<i>Prevent illness by having an integrated focus on primary prevention across the life span.</i>	<i>Focus on each person to provide consistent care delivery that is person-centred, culturally appropriate, safe and effective.</i>	<i>Redesign to improve access and enable services closer to home in a timely manner.</i>	<i>Lift performance towards excellence by building capacity to deliver innovative sustainable services.</i>	<i>Embed research in integrated service delivery.</i>	<i>Systematise effectiveness and efficiency through robust systems.</i>
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Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Green Hospitals Program - including renewable energy and energy efficiency upgrades		✓			20			●	●	 Contribute to Northern Territory Government renewables target and reduce operating costs
Territory hospitals - central sterilising department compliance with AS 4187 and operating theatre works		✓			17	17	●	●		 Comply with the latest standard for reprocessing reusable medical devices to maintain hospital accreditation
New or expanded dental clinics within health centres/clinics		✓			7			●	●	 Improve service delivery and health outcomes in the community
Community mental health centres		✓			5			●		 Trial eight adult community mental health centres
Infrastructure to support Territory Families remote service delivery		✓			4			●		 Improve outcomes for children and families
Territory hospitals - Master Planning		✓			●	●	●	●		 Support the delivery of health care services across the Territory

A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

^ Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
National Quarantine and Medical Facility	✓	✓		✓	600				•	 Enable economic development
New health clinics - Alcoota, Bonya, Epenarra, Finke, Haasts Bluff, Harts Range, Imanpa, Lake Nash, Nyirripi, Santa Teresa, Ti Tree and Yuendumu	✓	✓			80				•	 New infrastructure to improve health outcomes for the community
Alice Springs Hospital - Ambulatory Care Centre	✓	✓			50	26	•		•	 Improve medical care provided on an outpatient basis
Refurbish and upgrade health clinics - Areyonga, Illeuwurru, Kings Canyon (Watarrka), Laramba (Napperby), Mount Allan (Yuelamu), Mt Liebig, Pmara Jutunta, Wallace Rockhole, Willowra and Wilora	✓	✓			50				•	 Improve health outcomes for the community through facility improvements
Alcohol and other drugs rehabilitation facilities - Ali Curung, Elliott, Kaltukatjara, Ti Tree, Titjikala and Yuendumu	✓	✓			36				•	 Improve delivery of rehabilitation services
Alice Springs Hospital upgrades - relocate substation above flood level - outpatient department - ward wet areas - kitchen freezer expansion - electrical risers - chillers and boilers - lifts		✓			29	2		•	•	 Improve hospital facilities to improve service delivery and health outcomes
Residential unit complex - Alice Springs Hospital staff accommodation^				✓	25	•				 Underpinned by Northern Territory Government lease commitment, ensuring quality residential accommodation is available for staff delivering health services at the Alice Springs Hospital
Alice Springs Hospital - multi-storey car park - 26kW solar panel system		✓			14	11	•			 Support service delivery of the Ambulatory Care Centre
Alice Spring Hospital - hybrid operating theatre		✓			4	4	•			 Improve hospital facilities to improve service delivery and health outcomes

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
New Health Clinics - Alpururulam and Wutunugurra		✓			20				•	 Improve service delivery, health outcomes and support population growth
Tennant Creek Hospital - staff accommodation units - upgrade mental health facilities - new public health / primary healthcare building - kitchen and cool rooms - mortuary expansion and grieving area - nightsafe carpark		✓			20	3			•	 Upgrade hospital facilities to improve service delivery and health outcomes
Alekarenge - new health clinic with four chairs for renal patients and new morgue facilities		✓			10			•		 Improve health outcomes for the community through facility improvements
New and refurbished health staff accommodation - Ali Curung, Alpururulam (Lake Nash) and Elliott		✓			6			•	•	 Provide housing and training opportunities for government employees who deliver health services in remote communities
Tennant Creek - residential rehabilitation and treatment centre		✓			5	•				 Improve health outcomes for the community through delivery of rehabilitation services
Refurbish health clinic - Corella Creek and Tara (Neutral Junction)	✓	✓			4				•	 Improve health outcomes for the community through facility improvements
New remote health education facilities - Ali Curung, Alpururulam (Lake Nash), Elliott and Epenarra	✓	✓			4				•	 Improve service delivery, health outcomes and support population growth
Wutunugurra - new women's centre			✓		1			•		 Enhanced liveability through improved community facilities



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Katherine Region (Big Rivers)</b>										
New health clinics - Beswick, Binjari, Jilkminggan, Pigeon Hole, Pine Creek, Timber Creek and Urapunga (Rittarangu)	✓	✓			35				•	 New infrastructure to improve health outcomes for the community
Refurbish health clinics - Amanbidji, Barunga, Bulla, Mataranka and Minyerri	✓	✓			24				•	 Improve health outcomes for the community through facility improvements
Borrooloola - new health clinic with four chairs for renal patients and new morgue facilities	✓	✓			14			•		 New infrastructure to improve health outcomes for the community
Seniors village and aged care facilities	✓		✓	✓	11		•	•		 Improve service delivery and health outcomes
Bulman - new health clinic with two chairs for renal patients	✓	✓			8			•		 New infrastructure to improve health outcomes for the community
Wugularr - new health clinic with four chairs for renal patients	✓	✓			8			•		 New infrastructure to improve health outcomes for the community
Katherine Hospital upgrades - specialist suites - staff accommodation refurbishment - emergency power generation system - vapour barrier - laundry air-conditioning - replace boilers - engineering works	✓	✓			7	1		•	•	 Improve hospital facilities to improve service delivery and health outcomes
Mataranka - aged care facility and child care centre	✓		✓		•	1				 Provide specific aged care services to improve health outcomes and enable people to remain in their community
Roper Gulf region - aged care services	✓				•			•		 Provide specific aged care services to improve health outcomes and enable people to remain in their community









Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>East Arnhem</b>										
Gove District Hospital upgrades - ward 1 - isolation room refurbishment - new back-up emergency power generator - additional chiller, cooling tower and associated equipment - stores awning - main switchboard replacement - staff accommodation block refurbishment - new medical records facility - new water storage and ring main - kitchen, engineering stores and workshop refurbishment - offices expansion - paediatrics security upgrade - CCTV expansion - staff accommodation expansion - coroner's mortuary expansion	✓	✓			41				•	  Improve hospital facilities to improve service delivery and health outcomes
Nhulunbuy residential aged care centre - 32 bed facility - palliative care - additional bathrooms - four renal chairs - sorry business space	✓				20	•				  Improve hospital facilities to improve service delivery and health outcomes
New health clinics - Alyangula, Angurugu and Numbulwar	✓	✓			15				•	  New infrastructure to improve health outcomes for the community
Gapuwiyak - new health clinic with four chairs for renal patients and new morgue facilities	✓	✓			14			•		  New infrastructure to improve health outcomes for the community
Gove District Hospital upgrades - fire safety systems - nurse call systems		✓			12	12			•	  Provide a quality aged care facility in Nhulunbuy to service East Arnhem communities
Ramingining - new health clinic with four chairs for renal patients	✓	✓			12				•	  New infrastructure to improve health outcomes for the community
Milyakburra - refurbish health clinic	✓	✓			4				•	  Improve health outcomes for the community through facility improvements







Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
New health clinics - Adelaide River, Batchelor, Belyuen, Jabiru, Palumpa and Pirlangimpi	✓	✓			36	•			•	 New infrastructure to improve health outcomes for the community
Refurbish health clinics - Julanimawu (Nguiu), Naiyu, Milikapiti, Minjilang, Wadeye (Port Keats), Warruwi, Woodcupildya	✓	✓			28				•	 Improve health outcomes for the community through facility improvements
Gunbalanya - new health clinic with four chairs for renal patients and new morgue facilities	✓	✓			12			•		 New infrastructure to improve health outcomes for the community
Health clinic expansions - Maningrida and Peppimenarti	✓	✓			9				•	 Improve service delivery and health outcomes
Nguiu - renal unit expansion and refurbishment		✓			6				•	 Deliver renal services to improve health outcomes



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
Palmerston Renal Services expansion - 30 bed renal patient accommodation unit		✓			18				•	  Deliver renal services to improve health outcomes
Palmerston new ambulance station		✓			7				•	  Improve service delivery and health outcomes
Palmerston Health Precinct - refurbishment		✓			4				•	  Improve service delivery and health outcomes
Centre for National Resilience Howard Springs - facility improvements - repatriation improvements	✓	✓			•	•				  COVID-19 quarantine arrangement to support repatriation of Australians home, keeping Territorians safe
National Critical Care and Trauma Response Centre - Bees Creek training facility ^	✓	✓		✓	•			•		  Ensure the Territory has expertise to respond in the event of a crisis



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Royal Darwin Hospital (RDH) upgrades - surgical intensive care and theatre - various wards - pharmacy relocation - kitchen - back dock - potable water ring main extension - improve antenna system coverage - chilled water reticulation upgrade and expansion - CCTV network improvements - new steam plant and domestic hot water - patient and staff lift - onsite staff accommodation - central energy plant fencing - switchboard upgrade for RDH and Palmerston Regional Hospital (PRH)	✓	✓			150				•	 Improve hospital facilities to improve service delivery and health outcomes
Royal Darwin Hospital critical infrastructure works - safety upgrade of Ward 2 bathrooms - separation of emergency warning intercommunication system and public announcement system - replace autoclave clinical waste steriliser and grinder - boiler house - cyclone debris protection - low voltage switchboard replace and relocate - replace distribution boards - building management system cable upgrade - air-conditioning temperature control - cooling towers	✓	✓			65	6			•	 Improve hospital facilities to improve service delivery and health outcomes
Royal Darwin Hospital Mental Health - stabilisation assessment and referral area - inpatient unit expansion - inpatient unit upgrades	✓	✓			39	39		•		 Provide safe, secure and appropriate mental health services and increase number of beds available
Replace the Tamarind Centre	✓	✓			35				•	 Improve mental health services
Royal Darwin Hospital - forensic mortuary, pathology and bereavement facility	✓	✓			33			•		 Improve hospital facilities to improve service delivery and health outcomes
Royal Darwin Hospital - positron emission tomography (PET) scanner and cyclotron	✓	✓			21	4		•		 Enable Territory cancer patients to access detection and treatment services closer to home

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Royal Darwin Hospital - asbestos remediation to northern part of site		✓			13			•		  Manage soil contamination
Veteran's Wellbeing Centre	✓				5		5	•		  Improve availability of mental health services to veterans and retired emergency personnel
Darwin and Palmerston renal services expansion - Home Therapies Unit		✓			4				•	  Consolidate existing functions to deliver renal services to improve health outcomes



# Housing



*Access to diverse housing options leads to improved liveability, supporting population retention and growth.*

Ensuring that all Territorians have access to safe and affordable housing is a crucial factor in achieving economic goals. Diverse supply that caters for all parts of the housing continuum is key to supporting growth in the Territory's population and mobility around the Territory, especially to remote and regional locations.

There are notable gaps in the supply of housing in the Territory, both in urban locations and in the availability of housing in remote/regional locations. Diversifying supply of affordable housing through the community housing industry can deliver economic growth outcomes, while also delivering additional social housing.

The Territory has the highest homelessness rate in the nation, ranging from people living in overcrowded dwellings in remote areas to people sleeping rough in urban centres. Overcrowding impacts on the health of people in remote and regional communities.

The distance of the Territory's 73 remote communities, 43 town camps and 500 homelands from regional centres creates a challenge to build housing infrastructure due to freight costs and transport access.

The Northern Territory Government's 10 year \$1.1 billion Remote Housing Investment Package is building new homes, focusing on repairs and maintenance and funding new living spaces in existing homes to reduce overcrowding and create local jobs.

The Australian Government has committed \$550 million over five years to improve existing houses or build new homes in remote communities.

Local decision making and community engagement are key principles that underpin the housing program. Applying these principles ensures the community is engaged in the design of the program delivery.

The housing program works with Aboriginal communities to promote local economic development, develop local skills to build and manage housing. The program is focused on developing Aboriginal Business Enterprises, opportunities for joint ventures and local employment.

The Territory Government continues to work with communities and the private sector to unlock the housing market to provide real choices for people living in the Territory.

Planning continues to address needs across the housing continuum from homelessness, transient support and crisis accommodation to social housing, affordable rentals and home ownership options.

Infrastructure efficiencies occur with more compact urban forms and infill residential development, particularly on undeveloped or under-utilised land near transport networks and community or commercial facilities.

The Territory is assisting the disability sector grow its specialist disability accommodation stock. This involves transferring of four vacant blocks of land in Darwin valued at approximately \$1 million to the non-government sector. This vacant land can be leveraged to develop new purpose-built disability accommodation and maximise Australian Government funding provided through the National Disability Insurance Scheme (NDIS).

Infrastructure grants and incentives, such as home building, renovation and improvements, support the residential construction industry.

The Northern Territory Government's \$432 million Remote Land Servicing Program supports the remote investment package, providing land servicing and headworks in remote communities.

This investment will see more than 1200 lots created for new housing.

This program focuses on three key areas:

- subdivisions to deliver additional serviced land in remote communities
- headworks infrastructure delivering essential services infrastructure to support land development (such as water bores, water tanks and pipelines)
- infills delivering additional serviceable lots by connecting vacant lots to essential services.

Real Housing for Growth is increasing housing supply and easing housing cost pressures to support, attract and retain key workers in the Territory through these initiatives:

- **Home Builder National Partnership** – providing owner-occupiers \$25 000 to build a new home or substantially renovate an existing home

- **social housing head-leases** – private residential developments supported by government backed head leases
- **first home owner grant** – \$10 000 may be available to assist first home buyers
- **first home owner discount** – reduced stamp duty for your first home
- **BuildBonus grant** – \$20 000 to assist with building a new home to live in
- **Homelessness Innovation Fund** – government working with the non-government sector to deliver better housing support for people who are homeless or at risk of homelessness
- **HomeBuilder** – Australian Government initiative to support confidence in the residential construction sector.

## PRIORITY PROJECTS

- **10 year \$1.1 billion remote housing program:**
  - Room to Breathe - extending living spaces
  - HomeBuild NT – build new houses
  - Repairs and maintenance on existing houses
  - Government Employee Housing
- **\$550 million Federal funding through the National Partnership for Remote Housing**
- **\$432 million land servicing to support new housing and headworks in remote communities**
- **\$45 million John Stokes Square Redevelopment**
  - 24 hour our police station
  - 78 new social housing units
  - pedestrian link and green spaces
  - space for non-government organisations to provide support to public housing tenants
- **Social Housing Partnerships** - develop new purpose-built social housing, underpinned by government head leases


## Key objectives

*Sustainable housing supply, considering affordability, to meet the needs of Territorians now and in the future.*

*Sustainable communities where the housing system supports communities to grow and prosper.*

*Sustained wellbeing for people with a housing system that supplies the right options to the right people at the right time.*










*Offer an affordable and accessible housing system for eligible Territorians.*

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
\$1.1 billion Remote Housing Investment Package - \$500 million HomeBuild NT - \$200 million Room to Breathe - \$200 million Government Employee Housing - \$200 million repairs and maintenance		✓			1100	80	90	•	•	 Reduce overcrowding, improve housing conditions and health outcomes for people in remote communities

A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

^ Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Remote Aboriginal housing - \$550 million over five years to address overcrowding and improve existing housing	✓				550	143	68	•		 Australian Government contribution to match the Territory's investment to reduce overcrowding, improve housing conditions and health outcomes for people in remote communities
Seniors lifestyle accommodation				✓	•		•	•		 Increase the quantity and range of accommodation opportunities to retain seniors in the Territory
<b>Central Australia</b>										
Lifestyle village for over 55s, within gated community		✓		✓	50				•	 Enable economic development
Residential unit complex - Alice Springs Hospital staff accommodation ^				✓	25	•				 Underpinned by Northern Territory Government lease commitment, ensuring quality residential accommodation is available for staff delivering health services at the Alice Springs Hospital
Government Employee Housing in Haasts Bluff, Imanpa, Hermannsburg and Yulara		✓			•	•	•			 Support service delivery in remote communities
National Partnership for Remote Housing (NPRH) NT Homebuild - construct new housing in Apatula (Finke), Areyonga, Atitjere, Engawala, Haasts Bluff, Imanpa, Kaltukatjara, Kintore, Titjikala, Wallace Rockhole, Willowra, Wilora, Yuelamu and Yuendumu	✓				•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
NPRH NT Room to Breathe Program - modify dwellings in Amoonguna, Apatula (Finke), Areyonga, Atitjere, Engawala, Hermannsburg, Imanpa, Kaltukatjara, Kintore, Laramba, Nturiya, Nyirripi, Papunya, Pmara Jutunta, Santa Teresa, Titjikala, Wallace Rockhole, Willowra, Wilora, Yuelamu and Yuendumu	✓				•	•				 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
HomeBuild NT - construct new housing in Hermannsburg, Laramba, Mt Liebig, Nturiya, Papunya, Pmara Jutunta, Santa Teresa, Titjikala and Willowra		✓			•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
Room to Breathe Program - modify dwellings in Hermannsburg and Santa Teresa		✓			•	•				 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
Barkly Regional Deal - visitor park (camp, cabin and dorms) - 22 leased Government Employee Houses	✓	✓	✓	✓	12	9				 Provide safe, secure and affordable housing for people on low incomes
Tennant Creek - Urban Public Housing		✓			5	•				 Provide safe, secure and affordable housing for people on low incomes
Regional council housing in Elliott and Tennant Creek	✓		✓		3		1	•		 Provide housing to local government employees who deliver essential council services in remote communities
Government Employee Housing in Ali Curung and Alpururulam		✓			•	•	•			 Support service delivery in remote communities
NPRH NT Homebuild - construct new housing in Ali Curung, Alpururulam, Ampilatwatja, Canteen Creek, Epenarra and Imangara	✓				•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
NPRH NT Room to Breathe Program - modify dwellings in Ali Curung, Alpururulam, Ampilatwatja, Canteen Creek and Wutunugurra (Epenarra)	✓				•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
Room to Breathe Program - modify dwellings in Ali Curung, Alpururulam, Ampilatwatja, Canteen Creek, Imangara, Tara and Wutunugurra (Epenarra)		✓			•	•				 Reduce overcrowding, provide employment and training opportunities to local Aboriginal people and improve health outcomes
HomeBuild NT - construct new housing in Ali Curung, Alpururulam, Atitjere, Imanpa, Kintore, Tara and Wilora		✓			•	•				 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Katherine Region (Big Rivers)</b>										
Katherine East Neighbourhood Centre - retail and commercial precinct - short term accommodation - lifestyle or retirement village		✓	✓	✓	23	•				 Support housing options within Katherine
Roper Gulf staff housing for local government employees			✓	✓	10	1	1	•	•	 Provide housing for local government employees in remote communities
Sustainable Community Housing in a regional centre		✓			8			•		 A pilot development to provide safe, secure and affordable housing for people on low incomes
HomeBuild NT - construct new housing in Barunga, Garawa, Jilkminggan, Mara, Pigeon Hole and Yanyula		✓			•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
Government Employee Housing in Borroloola, Lajamanu, Robinson River and Wadeye		✓			•	•	•			 Support service delivery in remote communities
NPRH NT HomeBuild - construct new housing in Binjari, Beswick, Bulman, Jilkminggan, Minyerri, Ngukurr, Numbulwar and Robinson River	✓				•	•	•			 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
NPRH NT Room to Breathe - modify dwellings in Barunga, Binjari, Bulla, Bulman, Daguragu, Jilkminggan, Kalkarindji, Lajamanu, Minyerri, Pigeon Hole and Robinson River	✓				•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
Room to Breathe Program - modify dwellings in Barunga, Beswick, Bulman, Daguragu, Kalkarindji, Kybrook Farm, Lajamanu, Manyallaluk, Minyerri, Ngukurr and Pigeon Hole		✓			•	•	•			 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
Rundle Street development - 16 multiple dwellings				✓	•	•	•			 Provide innovative and contemporary housing options

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>East Arnhem</b>										
Groote Archipelago Housing Project - five homes in Angurugu and Umbakumba				✓	4	•				 Improve community infrastructure
HomeBuild NT - construct new housing in Angurugu, Galiwinku, Gapuwiyak, Milingimbi, Ramingining, Umbakumba and Yirrkala		✓			•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
Room to Breathe Program - modify dwellings in Angurugu, Galiwinku, Gunyangara, Gapuwiyak, Milingimbi, Milyakburra, Ramingining, Umbakumba and Yirrkala		✓			•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
NPRH NT HomeBuild - construct new housing in Gunyangara	✓				•			•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
NPRH NT Room to Breathe - modify dwellings in Gunyangara	✓				•			•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
Government Employee Housing in Ramingining, Umbakumba and Milyakburra		✓			•	•	•			 Support service delivery in remote communities



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
Additional housing for regional council staff	✓	✓	✓		5		•	•		 Provide housing to local government employees who deliver essential council services in remote communities
NPRH NT HomeBuild - construct new housing in Gunbalanya, Maningrida, Pirlangimpi, Wadeye, Nauiyu, Warruwi and Wurrumiyanga	✓				•		•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
NPRH NT Room to Breathe - modify dwellings in Nauiyu, Palumpa, Peppimenarti, Milikapiti, Minjilang and Warruwi	✓				•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes
HomeBuild NT - construct new housing in Gunbalanya, Maningrida, Milikapiti, Wadeye and Pirlangimpi		✓			•	•	•	•	•	 Reduce overcrowding, provide employment and training opportunities to local Aboriginal people and improve health outcomes
Room to Breathe Program - modify dwellings in Gunbalanya, Maningrida, Milikapiti, Minjilang, Nauiyu, Palumpa, Peppimenarti, Pirlangimpi, Wadeye, Wurrumiyanga and Warruwi		✓			•	•	•	•		 Reduce overcrowding, provide employment and training opportunities for local Aboriginal people and improve health outcomes



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
Gray and Moulden - Urban Social Housing redevelopment		✓			8	•		•		 Provide safe, secure and affordable housing for people on low incomes
<b>Darwin</b>										
John Stokes Square redevelopment^ - Nightcliff Police Station - social housing - space for non-government organisations		✓			45	•				 Redevelop infrastructure to improve services
Darwin CBD - Daly Street - 60 two-bedroom mixed use residential, serviced apartments and commercial complex				✓	32			•		 Provide urban housing options and short term accommodation for visitors
Fannie Bay - 7 Waratah Crescent - residential redevelopment		✓		✓	30			•		 Provide innovative and contemporary housing options
Larrakeyah - Packard Place - 140 apartments in three towers with basement car parking				✓	30			•		 Provide innovative medium density housing options and create a safe and vibrant place for people to enjoy
Sustainable Community Housing in Darwin CBD - Tomaris Court redevelopment - stage 1		✓			10			•		 Provide safe, secure and affordable housing for people on low incomes
Larrakeyah - Houston Street - 16 apartments				✓	9	9		•		 Provide innovative and contemporary housing options
The Narrows - Rubix Apartments - 54 apartments (in two stages)				✓	8	•				 Provide innovative and contemporary housing options
Specialist Disability Accommodation - develop new purpose-built disability accommodation on four vacant lots	✓	✓		✓	3	3				 Provide purpose-built accommodation for people with disabilities
Defence houses - Breezes Muirhead	✓					•		•	•	 Provide supportive housing for defence personnel and their families
Darwin Waterfront - multi-storey residential development				✓		•			•	 Provide innovative medium density housing options and create vibrant places for people to enjoy

# Art, Culture and Active Recreation



*Arts, cultural and recreational infrastructure provides a vital avenue for our communities to build and maintain connections and share stories and experiences.*

Cultural infrastructure can support the sharing of important stories and protect places of deep cultural and spiritual significance. Telling Territory stories in the setting they occur increases international appeal and strengthens local culture and the creative economy.

It is recognised that art, cultural and recreational activities deliver social and economic value to the Territory, improve liveability, contribute to mental and physical health outcomes and help engage and inspire Territorians and visitors.

As our population and visitor numbers grow, arts, heritage, cultural and recreational activities increase and the pressure on the capacity of our infrastructure grows. Territorians and visitors expect contemporary offerings at a national standard.

There is pressure for our sporting facilities and community infrastructure, such as shared path and cycle ways, be developed and maintained to a standard that enables Territorians to continue to participate and engage in sport. Maintenance of the Territory's major facilities will support national and international level games as they return.

Providing and updating remote sporting facilities and establishing art trails will engage the community and families to improve health, connections and opportunities for Territorians. All levels of government must work together to provide the necessary funding to create vibrant community spaces in these communities.

Law and culture camps enable communities to tell, hear and learn through stories in places of deep cultural and spiritual significance. This strengthens culture, which leads to building self-determination for communities. The investments in people and places will strengthen culture, supporting people to stay strong on country.

Prioritising investment in cultural and heritage structures ensures places and objects of historic, scientific, aesthetic and social significance are protected now and into the future.

There is ongoing assistance to regional museums, keeping places and community art galleries so they can continue preserving, collecting and displaying the Territory's unique cultural heritage.

Strategic investment in infrastructure is needed to:

- develop contemporary and innovative arts and cultural venues and facilities, informed by sector and community needs
- provide accessible sporting infrastructure suitable for our climate that meets the needs of the wider community
- develop shared multi-purpose facilities to maximise use and reduce individual costs.

## PRIORITY PROJECTS

- **Future of Jabiru and Kakadu** – will reposition Jabiru as the cultural gateway to Kakadu
  - a World Heritage Visitor Centre in Jabiru to showcase Kakadu’s cultural and natural significance
  - new accommodation and visitor experiences, including viewing platforms and mountain biking trails
  - service hubs, including in the South Alligator and Mary River regions, such as at the park entrances
  - upgrades of key park roads to improve visitor access, extend the season and address visitor safety issues
  - telecommunications improvements by expanding mobile phone coverage to improve visitor safety
  - new health clinic with renal chairs and services
- **Arts Trail** – art gallery and art centre extensions across Katherine, Tennant Creek and Arnhem Land
- **Recreational fishing infrastructure program** – \$50 million to deliver boat ramp, car park, CCTV and toilet facilities at fishing destinations across the Territory, including the upgrade of Point Stuart Access Road
- **Darwin CBD revitalisation** (part of City Deals)
  - State Square carpark replacement and landscaping
  - CBD Art Gallery
  - greening and cooling initiatives
- **National Aboriginal Art Gallery** – a national institution in Alice Springs dedicated to displaying, celebrating and interpreting Aboriginal and Torres Strait Islander art

## Key objectives

Recognise the value and benefit of arts and culture, particularly Aboriginal art and culture.

Embrace diversity and access for everyone.

Develop a coordinated approach to facility investment and planning.

Expand opportunities for recreation in parks and reserves while protecting their natural and cultural value and assets.






















Improve facility and space planning, provision and sharing to maximise the benefits of sport and recreation events.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Territory Wide</b>										
Enhancements to government assets - sport and recreation - arts and museums - heritage - parks and wildlife	✓	✓	✓		100	16	●	●	●	 Enhance liveability by improving community, sporting and recreational facilities
Enhance recreational fishing infrastructure across the Territory <sup>^</sup>		✓			33	15	●	●		 \$50 million recreational fishing infrastructure program, enhancing fishing destinations
Park facilities - enhance experience and access for visitors with limited mobility		✓			9		●	●	●	 Improve amenity for community and visitors and enable broad community participation
Oval upgrades, including lighting in urban, regional and remote areas		✓			●				●	 Enhance liveability by improving community, sporting and recreational facilities
Civic centres across the regions		✓	✓		●		●	●	●	 Enhance delivery of local community services




A lesser figure in the 2021-22 and 2022-23 columns than in the Total Estimate column indicates either previous year expenditure or expenditure in outer years.

<sup>^</sup> Indicates projects that display in two sectors.

✓ Funding contributions are indicative only and remain subject to final investment decision.

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Central Australia</b>										
National Aboriginal Art Gallery ^	✓	✓	✓	✓	180				•	  Exhibit and preserve Aboriginal art and culture
Central Australia Rugby Park		✓			30		•	•		  Provide a state of the art facility for sporting participants and attendees
Neville Shute Public Library development	✓	✓	✓		22				•	  Improved access to quality education and cultural experiences for the community
Alice Springs CBD Revitalisation (part of City Deals*) ^ - CCTV - pedestrian linkages - shading and water play area	✓	✓	✓		20	11	•			  Unlock business and industry development opportunities and create a safe and vibrant place for people to enjoy
National Indigenous Cultural Centre ^		✓			20		•	•		  Exhibit and preserve Aboriginal art and culture
Sporting facilities - upgrade athletics track - upgrade Traeger Park - new facility at Kilgariff		✓	✓		16		•	•	•	  Enhance liveability by improving sports facilities
Tjoritja/West MacDonnell National Park ^ - adventure cycling track - Visitor Experience Centre		✓		✓	12	11	•	•		  Expand tourism product to develop the economy and increase liveability
Ormiston campground redevelopment ^		✓			8			•		  Expand tourism product to develop the economy and increase liveability
Arrernte Living Cultural Centre		✓			5	5				  Support Arrernte families to share and maintain their culture
Alice Springs Sporting Centre of Excellence			✓	✓	5			•		  Enhance liveability by improving recreation facilities
Alice Springs - sports field lighting upgrade			✓	✓	5			•		  Enhance liveability by improving recreation facilities
Hermannsburg community sports oval - new lights		✓			2			•		  Enhance liveability by improving recreation facilities
Alice Springs Aquatic and Leisure Centre upgrades			✓		1		•			  Enhance liveability by improving recreation facilities

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
Tennant Creek Art and Culture upgrades - connecting the Arts Trail ^ - upgrade Nyinkka Nyunyu Cultural Centre		✓			10	8	•			 Increase visitor numbers and length of stay in the Territory and enhance liveability by improving cultural facilities
Purkiss Sporting Reserve upgrades		✓			8	4				 Improve amenity for sporting participants and attendees
Ali Curung community infrastructure - new sports and recreation hall - upgrade to solar lighting - upgrade football field - fence cemetery - depot shed - refurbish visitor accommodation - refurbish staff housing - new library in existing building		✓	✓		5			•		 Enhanced liveability by improving community facilities
Ampilatwatja community infrastructure - shade and barbecue sheds - ablution block - basketball court enclosure - refurbish basketball court - BMX track - new sport and recreation building - water park - demountable dwelling - cemetery fencing		✓	✓		4	1		•		 Enhanced liveability by improving community facilities
Tennant Creek community infrastructure - youth links building - refurbish administration building - animal management facility - public bathrooms - construct Staunton Oval - ANZAC Hill viewing platform - new shade and seating in parks - new dog park - One Tank Hill walking path - bowling club green		✓	✓		4			•		 Enhanced liveability by improving community facilities
Elliott community infrastructure - shade over water park - ablutions at new oval - Jim Rennie Reserve Master Plan - upgrade council office - shade shed over memorial structure - refurbish and light tennis courts		✓	✓		3			•		 Enhanced liveability by improving community facilities

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Barkly</b>										
Alpurrurulam community infrastructure - skate park - playground with shade - women's safe house - men's shed - play equipment - new basketball court with lighting and cover - toilet block - BBQ and shade areas		✓	✓		2	1		•		 Enhanced liveability by improving community facilities
Arparra community infrastructure upgrades - football oval - basketball court - sport and recreation building			✓		2	2				 Enhanced liveability by improving recreational facilities
Wutunugurra community infrastructure - BMX track - cemetery improvements - ablution block for football oval - upgrade depot shed			✓		1	1				 Enhanced liveability by improving community facilities



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Katherine (Big Rivers)</b>										
Victoria Daly - improve Council infrastructure			✓		23		•	•	•	 Enhance liveability by improving community facilities
Katherine Art Gallery extensions - connecting the Arts Trail ^		✓			10	8	•			 Increase visitor numbers and length of stay in the Territory and enhance liveability by improving cultural facilities
Ngukurr multi-purpose sporting and community complex			✓		8	8				 Enhance delivery of local community and sporting services
Katherine Sportsground Master Plan - community centre - water park and water play areas - upgrade pool - barbecue and shade areas	✓	✓	✓	✓	7	4	1			 Enhance liveability by improving sports facilities
Borroloola - multi-purpose sporting complex (cyclone shelter)		✓	✓	✓	7	7	•			 Provide community facilities to support community engagement and safety
Integrated Community Hub - new age interactive library - youth employment centre		✓	✓	✓	6		•	•		 Improve access to recreational activities for youth
Revitalisation of Katherine Hot Springs		✓	✓		4			•	•	 Expand tourism product to develop the economy and increase liveability
Kalkarindji community sports oval - new lights		✓			2			•		 Improve access to recreational activities
Katherine - netball courts expansion and resurface - football oval surface upgrade - Main Street improvements		✓			2			•	•	 Improve access to recreational activities
Beswick water park			✓		1		•	•		 Enhance liveability by improving recreation facilities

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>East Arnhem</b>										
Arnhem Art Gallery extensions - connecting the Arts Trail^		✓			10	10	•			 Increase visitor numbers and length of stay in the Territory and enhance liveability by improving cultural facilities
Angurugu community infrastructure - new sports hall - East subdivision - BMX tracks - Cultural Centre landscaping, meeting room and ablutions - Art Centre ablutions, shelter and fire pit - Women's Centre refurbishment - music room works - workshop fitout				✓	10	•	•			 Enhance liveability by improving community facilities
Gapuwiyak Culture and Arts – new building	✓	✓			5	•	•			 Support community creative industries and economic development
Umbakumba community infrastructure - new music studio - new men's shed				✓	3	•				 Improve community wellbeing through infrastructure
Milyakburra community infrastructure - college caretaker house - upgrade Outback Store			✓	✓	3	3				 Enhance liveability by improving community facilities
Minjilang - basketball court		✓			3			•		 Improve access to recreational activities
Alyangula community infrastructure - rubbish tip remediation - lot servicing - two houses			✓	✓	2	2				 Enhance liveability by improving community facilities
Transfer Stations - new waste facilities at Angurugu and Yirrkala			✓		1		•			 Enhance liveability by improving council facilities
Gapuwiyak, Gunyangarra and Ramingining - new public toilet block with changerooms at ovals			✓		1			•		 Enhance liveability by improving facilities
Numbulwar business centre			✓	✓	1			•		 Support regional economic development
Numbulwar art and craft centre				✓	1		•			 Enhance liveability by improving community facilities

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Top End</b>										
Future of Jabiru and Kakadu^ - new wastewater treatment - new power station - National Broadband Network (NBN), mobile and Wi-Fi services - Bininj Resource Centre - visitor, campground and road upgrades - government services hub - multi-use medical centre - education precinct - World Heritage Interpretive Centre - luxury hotel accommodation - asbestos remediation	✓	✓		✓	446	75	•	•	•	 Infrastructure to position Jabiru post-mining as a tourism and regional services hub
Coomalie Community Government Council infrastructure - facility maintenance - solar installations - local road maintenance - aged care (independent living)	✓		✓		10	1	1	•	•	 Enhance liveability by improving community facilities
Batchelor Town Centre revitalisation - recreation hub and swimming pool - bowling greens - basketball and tennis courts - night lighting		✓	✓		5				•	 Enhance liveability by improving community facilities
Council workshop renovations - Milikapiti, Pirlangimpi and Wurrumiyanga	✓	✓	✓		3			•		 Support Council operations and generate local jobs and skills training
Gunbalanya community sports oval - new lights		✓			•			•		 Enhance liveability by improving recreation facilities
Wadeye Government Business Centre - fit out		✓			1	•				 Support regional economic development
West Daly Region community infrastructure - ablution blocks in three locations - upgrade waste management facilities in two locations	✓		✓		1	•				 Enhance liveability by improving community facilities

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Palmerston and Litchfield</b>										
Litchfield new municipal infrastructure - community and business hub / library - aquatic centre with 25 metre pool - performing arts centre	✓	✓	✓		24		•	•		 Enhance liveability by improving recreation facilities
Splashing Out - revitalise the Palmerston Swimming and Fitness Centre - learn to swim community hub	✓		✓		15	8	7	•		 Enhance liveability by improving community facilities
Freds Pass Reserve Master Plan		✓	✓		12			•	•	 Enhance liveability by improving community facilities
Rosebery Sporting Hub - hockey and baseball facilities - carpark expansion		✓			10				•	 Enhance liveability by improving sports facilities
Where We Live Matters (Palmerston Community Centre) - Gray hall - digital and e-gaming hub - community garden and kitchen - playground and dog park	✓	✓	✓		6	1	2	•		 Enhance liveability by improving community facilities
Howard Springs Nature Park - new rangers office, exhibit area, kiosk and picnic facilities		✓			6				•	 Enhance liveability by improving park facilities
Liveable Cities (Palmerston) - increased green cover through tree planting - upgrading shop fronts and providing shelter		✓	✓	✓	4	1				 Enhance liveability by improving community facilities
Palmerston Charles Darwin Campus Oval 2 lighting		✓			1	1				 Support the future of cricket
Mira Square - meeting and play areas in Southport			✓		1	1				 Enhance liveability by improving recreation facilities
Bellamack/Woodroffe community sports oval - lighting		✓			•			•		 Improve access to recreational activities
Rail Trail - Howard Springs to Berry Springs bike path		✓			•				•	 Expand tourism product to develop the economy and increase liveability
Berry Springs Nature Park upgrades		✓			•				•	 Enhance local and tourist experience

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021- 22	2022- 23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Darwin CBD Revitalisation (part of City Deals*) ^ - State Square car park replacement and landscaping - CBD Art Gallery - greening and cooling initiatives	✓	✓	✓	✓	200+	55	•	•		  Unlock business and industry development opportunities and create a safe and vibrant place for people to enjoy
Casuarina Pool redevelopment	✓		✓		25	•	•	•		  Enhance liveability by improving community facilities
Darwin International Airport - Darwin Airport Central - Bagot Road retail development				✓	20			•		  Expand commercial opportunities
George Brown Darwin Botanic Gardens ^ - new plant display house - essential services, path network and irrigation upgrade - ephemeral wetland with boardwalk - new entrance and car park - Friends of the Gardens work area upgrade		✓			19			•	•	  Expand tourism product to develop the economy and increase liveability



Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Casuarina Coastal Reserve - Dripstone Cliffs upgrades - Rapid Creek Site upgrades		✓			11			•		  Enhance liveability by improving park facilities
Darwin beaches foreshore protection - climate adaption plan - installations	✓		✓		10	•	2	•		  Ensure the amenity of the area is protected
Nightcliff Beach redevelopment - improve accessibility - improve security lighting - upgrade public amenities - upgrade community facilities	✓		✓		8	•	3	•		  Enhance the amenity of the area
Lake Alexander upgrade - upgrade road pavements - upgrade playgrounds and facilities - upgrade public and security lighting - provide accessibility to East Point Beach	✓		✓		7	•	3	•		  Enhance the amenity of the area
Richardson Park redevelopment - community recreation facility - access to Ludmilla school		✓			6	6	•			  Provide community facility for recreation opportunities and safe access to Ludmilla Primary School
Building Better Suburbs - infrastructure and beautification			✓		5	5				  Enhance safety, accessibility, connectivity and amenity
Nightcliff Oval Master Plan - full playing surface refurbishments - facilities upgrades - new car parking - seating with shade	✓		✓		5	2	•			  Support priority projects in consultation with peak sporting bodies
Darwin International Airport - Darwin Airport Central - Osgood South "West Village" - stage 3				✓	4	•	•			  Expand commercial opportunities
Gardens Oval upgrades - unisex changerooms - umpires rooms - first aid rooms - club room facilities - improve accessibility - Oval 2 surface refurbishment	✓		✓		3	3				  Provide priority projects in consultation with peak sporting bodies
Cycle path from Muirhead to Lee Point		✓	✓		2	2				  Enhance safety, accessibility, connectivity and amenity
Marrara Sporting Complex - upgrades to the track, surfaces and seating		✓			2			•		  Provide a safe and functional environment for sporting participants and attendees

Project	Prospective Contribution				Total \$m Estimated Cost	\$ Million		Sequencing		Key Drivers
	AG	NTG	LG	PRIV		2021-22	2022-23	Medium (3-5 Years)	Longer (Year 6+)	
<b>Darwin</b>										
Parks Ranger Station - hybrid solar system		✓			1	1	•			 Sustainable energy for remote locations
Parliament House - audio-visual control system		✓			1	•				 Create a safe and vibrant place for people to enjoy
Museum and Art Gallery of the Northern Territory (MAGNT) - air-conditioning upgrade		✓			•				•	 Ensure improper conduct is investigated and actioned appropriately
Darwin RSL - redevelopment	✓			✓	•	•	•			 Provide premises to advocate the welfare and interest of serving and former serving Australian Defence Force members and their dependants
Casuarina Square - shopping centre expansion				✓	•		•			 Expand commercial opportunities
Larrakia Cultural Centre ^	✓	✓		✓	•	•	•	•		 Enhance safety, accessibility, connectivity and amenity
NT Rugby Union facility upgrade		✓			•				•	 Provide a safe and functional environment for sporting participants and attendees
TIO Stadium - refurbish corporate facilities - seating upgrades		✓			•				•	 Improve stadium facilities to grow AFL
Government House remedial works		✓			•				•	 Ensure stabilisation of slope and building





# COMMUNITY NAMES



SEARCH FOR  
COMMUNITIES

<https://bushtel.nt.gov.au/>

The BushTel is a central point for information about the remote communities of the Northern Territory, their people and cultural and historical influences. BushTel aims to enhance planning and informed decision making.

Community Name	Com ID	Common Alias
Ali Curung	202	Ale-Kerange, Alekarengge, Warrabri, Warriabri
Alpurrurulam	203	Ilperrelhelam, Lake Nash, Wart Alparayetye
Amanbidji	622	Amanbidgee Station, Kildurk, Mialuni
Ampilatwatja	10	Aharreng, Aherre, Ammaro, Ammaroo, Amperlatwatye, Honeymoon Bore
Angurugu	451	
Areyonga	20	Utju
Arlparra	168	Ahalpere, Angarapa, New Shop, Urapuntja Store, Utopia New Store
Atitjere	42	Arltarpilta, Hart Range, Harts Range
Barunga	580	Bamyili
Belyuen	294	Delisaville, Delissaville
Beswick	581	Wugularr
Binjari	582	Binjarri, Wylunba
Bulla	586	Gudabijin, Gurrbijim
Bulman	587	Gulin Gulin, Mardrulk, Yulngu
Canteen Creek	219	Orwairtilla, Orwaitilla, Orwaitillya, Owairtilla
Corella Creek	220	
Daguragu	591	Dagaragu, Wattie Creek
Elliott	12641	
Engawala	33	Alcoota
Finke	36	Apatula, Aputula
Galiwinku	492	Elcho Island, Galiwin'ku
Gapuwiyak	500	Lake Evella
Gunbalanya	329	Kunbarllanjnja, Oenpelli
Gunyangara	514	Drimmie Head, Marngarr, Ski Beach
Haasts Bluff	41	Ikuntji, Kunparrka
Hermannsburg	43	Ntaria
Imangara	250	Mungarai, Imangarra, Murray Downs, Murry Downs
Imanpa	51	Mt Ebenezer
Jabiru	13836	
Jilkminggan	593	Djembere, Djilkminggan, Duck Creek, Jilkminggal
Kalkarindji	603	Kalkaringi, Wave Hill
Kaltukatjara	66	Docker River, Kalktukatjara
Kintore	72	Walangkura, Walangura, Walungurru
Kwala	83	Ellery Creek
Kybrook Farm	608	Copperfield Creek
Lajamanu	609	Hooker Creek
Langarra	519	Howard Island
Laramba	86	Napperby, Napperrby

Community Name	Com ID	Common Alias
Maningrida	362	
Manyallaluk	595	Eva Valley
Milikapiti	374	Snake Bay
Milingimbi	531	
Miliyakburra	532	Bickerton Island
Minjilang	375	Croker Island
Minyerri	624	Hodgson Downs, Miniyeri, Miniyerre, Miniyerri, Minyere, Minyeri, Minyerre
Mount Liebig	112	Amunturangu, Amunturrunga, Anturgunu, Mt Liebig, Watiyawanu
Mulga Bore	118	Akaya, Akaye, Atartinga, Athatheng
Mutitjulu	120	Ayers Rock, Mutitjula
Naiyu	397	Daly River, Namiyu, Naiyu Nambiyi, Naiyu Nambiyu
Nganmariyanga	404	Palumpa
Ngukurr	633	Roper River
Nhulunbuy	16222	Gove
Nturiya	127	Ti Tree
Numbulwar	549	Rose River
Nyirripi	128	Waite Creek
Orrtipa-Thurra	26	Baikal, Bonya, Dortippa-Thurra Assoc, Orrtipa Thurra, Ortipetherre, Ortippa Thura
Papunya	131	
Peppimenarti	410	
Pigeon Hole	639	Bunbidee
Pirlangimpi	411	Garden Point, Pularumpi
Pmara Jutunta	138	Six Mile, Ti Tree Six Mile
Ramingining	550	
Rittarangu	641	Urapunga, Yugul Mangi
Robinson River	258	Mungoobada, Mungoorbada
Rorruwuy	469	Burrawuy, Rhodes Point
Santa Teresa	145	Ltyente Purte, Ltyentye Apurte
Tara	264	Neutral Junction
Titjikala	148	Maryvale
Umbakumba	555	
Wadeye	426	Port Keats
Wallace Rockhole	174	Ulana, Uranda, Wallace Rock Hole
Warruwi	429	Goulburn Island
Weemol	654	Weemoll, Wemool
Willowra	186	Willowra Station, Wirliyatjarrayi
Wilora	187	Sterling Station, Stirling Station
Woode Cupildiya	434	Woodicupildya, Woodykapildiya, Woodykupildiya, Woodykupuldiya, Wudikapildiyee
Wurruyanga	400	Arsy, Bathurst Island, Nguui
Wutunugurra	227	Epenarra, Wetengerr, Wuttunugurr, Wutunurgura
Yarralin	658	
Yirrkala	576	
Yuelamu	197	Alpirakina, Alpirakinga, Mount Allan, Mount Allen
Yuendumu	198	

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