



STRATEGIC PROJECTS PROSPECTUS







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The Lord Mayor's Foreword

In 2019/20 City of Darwin embarked on an ambitious plan to deliver a wide range of strategic projects across the municipality, supported by an unprecedented capital budget of \$53M.

These projects aimed to deliver a wide range of benefits to our community, improve service delivery, support the local economy and drive efficiencies.

With these projects expected to be delivered on time and on budget and City of Darwin believes the time is right to examine further opportunities.

The development of a Strategic Projects Prospectus provides the public with an opportunity to directly contribute to the decision making of Council, feedback being sought on a range of projects that aim to revitalise our city and our economy.

These projects align to City of Darwin's key strategies; to develop a cool, green and clean city; create a smart and prosperous city; promote a vibrant and creative city; support a safe, liveable and healthy city; and develop a capital city with best practice and sustainable infrastructure.

We believe the time is right for major investment in our city and City of Darwin is seeking investment partners in order to deliver on a series of key projects that will improve the community's lifestyle, develop existing Council assets and create opportunities for local business.

Local businesses employ locals, have local families and live locally, and City of Darwin is committed exploring options that will support them and drive our economy.





Welcome to Darwin

The City of Darwin is the capital of the Northern Territory and Australia's most northern capital city. The city has sustainable infrastructure; is cool, clean and green; is safe, liveable and healthy; and is a smart and prosperous city.

The City of Darwin

As the Capital City of the Northern Territory, Darwin is the social, cultural and economic heart of the Northern Territory. The Traditional Owners of Darwin and the Greater Darwin Region are the Larrakia people.

Darwin is situated on the Timor Sea and is Australia's closest connection to key trading markets in Asia (Figure 1). Darwin is connected to Asia through a 24/7 international airport and a large port.

The City is primarily a residential, commercial and military area, hosting three Defence bases within the municipality. Darwin is a strategic location in Australia's defence and national security.

The Estimated Residential Population in 2018 was 84,613 (about one-third of the Territory population) and the municipality covers a land area of 112km².

Our population is younger than other Australian states and territories and 7.4% of our population identifies as Indigenous. In addition, many of our residents were born overseas and speak a language other than English.

Darwin residents enjoy a temperate climate and in European terms has two seasons: the Wet which sees high temperatures and humidity, and the Dry which offers cooler temperatures and beautiful sea breezes.



We invite you to engage

Introduction

This strategic project prospectus has been developed to support the social and economic growth of the City of Darwin, and has been designed to provide an overview of investment opportunities and key strategic projects planned for the City by the Government for Darwin, Darwin City Council. Council is seeking to engage interested partners and form a basis from which further discussions can be held, to grow Darwin's long-term prosperity.

The strategic project prospectus is aligned to the City's Strategic Plan and Economic Development Strategy, which form the broader framework guiding the investment activities of the City. Information about the City's Strategic activities can be found through our website.

WE ARE A CITY OF OPPORTUNITY AND PROSPERITY

112km²

LAND AREA

84,613

(ERP 2018)
POPULATION

34 years

MEDIAN AGE

7.4%

INDIGENOUS
POPULATION

31.6%

POPULATION
BORN OVERSEAS

27%

LANGUAGE OTHER
THAN ENGLISH

6%

OF PEOPLE ATTEND
UNIVERSITY

62,766

LOCAL JOBS

6,956

LOCAL BUSINESSES



561ha
OF GREEN SPACE



17 SPORTING
GROUNDS AND OVALS



+350
COUNCIL STAFF



4 LIBRARIES



+410km
OF STORMWATER



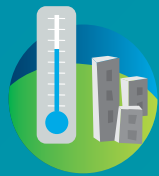
8 TENNIS COURTS



+590km
OF PATHS



3 SWIMMING POOLS



23.2C
AVERAGE MINIMUM
TEMPERATURE



3 COMMUNITY CENTRES



32C
AVERAGE MAXIMUM
TEMPERATURE



463km
OF ROADS



AVERAGE OF
77 days
OF RAIN ANNUALLY



7.54
persons
PER HECTARE POPULATION DENSITY



\$8.73
billion
GROSS REGIONAL PRODUCT (GRP)



19.4%
OF THE POP EARNED AN INCOME OF

\$1750
OR MORE PER WEEK

The opportunities are abundant

Darwin offers a range of unique opportunities to prospective investors, with an impressive economic growth trend over recent history, and a strong governance and policy platform, reducing risks for investors.





Unique advantages of our community and region

Darwin and the Northern Territory (NT) offer unique advantages which are most attractive to investors seeking opportunity. These advantages include:

- Strategic location
- Land area and capacity to grow
- Cultural diversity
- A youthful population; and
- Strong and stable governments.

A summary of the advantages offered through these unique factors is highlighted below.

Strategic location

The NT is Australia's gateway to Asia. The close proximity of the NT to the thriving Asian economy, (as shown in Figure 1, Table 1 and Table 2) and the strong relationship established with neighbouring countries offer promising opportunities in product and service offerings. This strategic location creates a strong comparative advantage for the NT economy in the production and supply of high demand products in Asia.





FIGURE 1: DARWIN'S PROXIMITY TO ASIA



TABLE 1: INTERNATIONAL FLIGHTS FROM DARWIN COMPARED TO OTHER AUSTRALIAN CAPITALS ON EXISTING ROUTES

DESTINATION	Darwin	Brisbane	Perth	Adelaide	Sydney	Melbourne
Dili	1h 20m	5h 25m via Darwin	8h 40m via Singapore	5h 0m via Darwin	5h 50m via Darwin	5h 40m via Darwin
Bali/Denpasar	2h 45m	6h 05m	3h 30m	5h 10m	6h 15m	5h 50m
Manila	4h 45m	9h 05m via Darwin	8h 35m via Singapore	9h 35m via Melbourne	8h 0m	8h 15m
Singapore	4h 30m	7h 35m	5h 0m	7h 15m	8h 0m	7h 40m

Source: International engagement, trade and investment strategic plan, NT Government

TABLE 2: DISTANCES FROM DARWIN TO KEY MARKETS BY SEA COMPARED TO OTHER AUSTRALIAN CAPITALS

DESTINATION	Darwin	Brisbane	Perth	Adelaide
Jakarta	4 days, 6 hours (1532 nm)	9 days, 16 hours (3487 nm)	4 days, 22 hours (1763 nm)	8 days, 11 hours (3047 nm)
Manila	5 days (1807 nm)	9 days, 20 hours (3533 nm)	8 days, 6 hours (2971 nm)	11 days, 20 hours (4266 nm)
Singapore	5 days, 6 hours (1887 nm)	10 days, 16 hours (3842 nm)	6 days, 4 hours (2220 nm)	9 days, 18 hours (3504 nm)
Kuala Lumpur	5 days, 19 hours (2092 nm)	11 days, 6 hours (4052 nm)	6 days, 18 hours (2389 nm)	10 days, 5 hours (3673 nm)
Hong Kong	6 days, 13 hours (2353 nm)	11 days, 8 hours (4080 nm)	9 days, 18 hours (3504 nm)	13 days, 8 hours (4799 nm)
Shanghai	7 days, 16 hours (2765 nm)	11 days, 18 hours (4231 nm)	11 days, 5 hours (4037 nm)	14 days, 19 hours (5332 nm)
Tokyo	8 days, 10 hours (3033 nm)	10 days, 23 hours (3942 nm)	12 days, 12 hours (4500 nm)	14 days, 17 hours (5299 nm)
Seoul	8 days, 13 hours (3068 nm)	12 days, 6 hours (4410 nm)	12 days, 3 hours (4364 nm)	15 days, 17 hours (5695 nm)

Source: International engagement, trade and investment strategic plan, NT Government

Space and capacity to grow

Comprising approximately 1% of Australia's population, Territorians only occupy up to one sixth of the Territory's large land mass.¹ Despite the limited population, the NT has achieved a remarkable average rate of growth (as seen in Chart 1) over the past 10 years, demonstrating economic capability, strong potential and the prevalence of economic opportunity in the region, relative to other states and territories in Australia.

CHART 1 - ECONOMIC GROWTH IN AUSTRALIA 2007-08FY TO 2017-18 FY

Economic growth by jurisdiction



Source: Department of Treasury and Finance, Northern Territory Economy, NT Government, <https://nteconomy.nt.gov.au/economic-growth#growth>.

The potential for growth is further emphasised by the Territory's array of natural resources, land, water and mineral resources, which could be used for green-field development opportunities.² The Territory has a diverse geography and environment which includes tropical, arid, metropolitan and remote areas. This too presents unique opportunities for development, such as the potential for space travel due to stable geographical environments, uncongested air space, and a location close to the ocean, amongst other favourable factors.

¹ Department of Treasury and Finance, 2019, Northern Territory Economy: Population, NT Government, <https://nteconomy.nt.gov.au/population>.

² Department of Trade, Business and Innovation, Northern Territory Economic Development Framework, NT Government



Cultural diversity

The NT hosts a culturally diverse population. With 19.8% of the population being born overseas, this cultural diversity can deliver great benefits to the local economy and social fabric, creating a favourable investor environment. Multicultural communities are recognised for their strength in connecting their community with global markets, attracting and supporting the sustainment of international students, encouraging innovation through diverse perspectives, fostering tourism, and enhancing community relationships.

In addition to a diverse migrant population, in the NT 25.5% of the population identified as Aboriginal or Torres Strait Islander in the 2016 census.³ Aboriginal people are significant land owners and custodians of the land and coastline under the Aboriginal Land Rights (NT) in the NT Act 1976, and a large proportion of the NT is under Aboriginal ownership, specifically 50% of the Territory land and 80% of its coastline. Accordingly, the Aboriginal community in the NT offers opportunities to investors to partner, learn a cultural perspective, and work collaboratively in economic ventures to drive economic prosperity.⁴

Youthful population

The composition of the NT population is relatively young compared to the rest of Australia. This sets the scene for a region which with a future of economic and social development as the workforce matures and establishes regional capability. As a youthful population, the Territory has limited history to navigate in its governance arrangements, offering a degree of flexibility that is difficult to negotiate in some other States and Territories.

Strong and stable governments

The NT Government have a strong track record of pursuing strategic investments in infrastructure and services that have important contributions to the growth of the Territory economy. These significant investments can provide confidence of the governance capability to build the social and economic capability of the region.

Similarly, the City of Darwin has established its role and vision as the Government for Darwin City. The City of Darwin fulfils a number of important roles in regard to the needs, interests and aspirations of the community, including the:

- Direct delivery of services
- Funding other organisations to deliver services,
- Regulation of some public activities through legislation,
- Forming of partnerships and strategic alliances with other parties in the interests of the community,
- Assisting other to be involved in activities by bringing groups and interested parties together, and
- Promoting the interest of the community to other decision makers and influencers

The Darwin City Council has delivered significant contributions to the City of Darwin through projects and activities such as Darwin City Deals, #SmartDarwin, switching on Darwin, infrastructure upgrades at local ovals, planting and beautification, and Shoal Bay Waste Management Facility upgrades.

³ Australian Bureau of Statistics, 2019, Census data.

⁴ *Ibid.*

Developed industry across the NT

The Northern Territory offers extensive capability and comparative advantages in a number of industries, reducing risks for business investors. The Northern Territory Economic Development Framework has identified five growth sectors:

- Agribusiness capability and diversity
- Defence hub
- Tourism
- International education and training
- Minerals & energy.



The strengths and opportunities for continued growth arising from each industry identified are highlighted in the summaries below.

Agribusiness capability and diversity

In 2017-18, the total contribution of the agriculture and fishing industry to the NT economy was estimated at \$735 million.⁵ In addition to proven agribusiness capabilities, there is potential to further grow, with exploration occurring in the NT in the production of soya beans, barramundi, cotton, donkey, and prawns.

Defence hub

The strategic location of the Territory plays an important role in the Defence of Australia's borders and management of relationships in the region. There is a strong Defence presence in Darwin and across the NT which has presented opportunities to grow related industries. In 2017-18, the Defence industry contributed 8.4% to the NT GSP which is approximately \$2.1 billion of total defence expenditure. The strong Defence presence and capability in the region is expected to continue for decades, with the 2016 Defence white paper outlining that there will be an estimated \$20 billion further Defence spend in the next 20 years.⁶

Tourism

The NT has spectacular natural landscapes and offers unique natural visitor experiences. As a result, the NT Tourism industry is a significant contributor to the economy. In 2017-18, the sector had an estimated contribution of \$1.2 billion, representing 4.4% to GSP and employing 17,100 people both directly and indirectly.⁷



⁵ Department of Treasury and Finance, 2019, Northern Territory Economy: Agriculture, forestry and fishing, <https://nteconomy.nt.gov.au/industry-analysis/agriculture,-forestry-and-fishing>.

⁶ Department of Treasury and Finance, 2019, Northern Territory Economy: Northern Territory Defence, <https://nteconomy.nt.gov.au/industry-analysis/defence>.

⁷ Department of Treasury and Finance, 2019, Northern Territory Economy: Tourism, <https://nteconomy.nt.gov.au/industry-analysis/tourism#contribution>.

International education and training

Whilst relatively small, the NT international education and training sector offers great growth potential. Currently the sector is contributing around \$72 million in total value added to the NT economy and supporting 473 jobs.⁸

Minerals & energy

The natural resources of the NT include an abundance of onshore and offshore energy reserves, with the sector contributing an estimated 16.4% to the NT economic output, valued at \$4.14 billion in 2017-18.⁹ The potential for the sector is maximised by Darwin's strategic location, as Australia's northern most capital city, offering substantial export opportunities. In addition to offshore resources, the NT has significant onshore reserves, with discoveries in the Beetaloo Basin. Broad support for the growth of the industry is planned by the Northern Territory Government (NTG), including the signing of a Memorandum of Understanding (MOU) with the Australian government forming an agreement to work together to further develop the gas industry in the NT.¹⁰

Growth industry Capability

(MARITIME, SPACE AND ADVANCED MANUFACTURING INFRASTRUCTURE)

The five identified growth sectors in the EDF are closely linked to the maritime, aerospace, and manufacturing capability of the NT. The maritime, aerospace, and manufacturing capability in the region provide the sustainment support required to enable the continued growth of industry in the region. The NT government acknowledge the importance and have invested resources to support the establishment of maritime and aerospace industries in the NT, including a \$400 million investment in the Darwin Ship-lift Project.



⁸ Deloitte Access Economics, 2018, 'Economic contribution of international education and training to the NT'.

⁹ Department of Treasury and Finance, 2019, Northern Territory Economy: Mining and manufacturing, <https://nteconomy.nt.gov.au/industry-analysis/mining-and-manufacturing>.

¹⁰ <https://www.minister.industry.gov.au/ministers/canavan/media-releases/harnessing-potential-northern-territorys-gas-industry>



The environment is right





Darwin is the hub for industry in the NT

Darwin is the capital city of the Northern Territory, and the northern most capital city of Australia. Darwin offers essential infrastructure to business and industry in the NT, including:

Darwin International Airport

The Darwin International Airport (DIA) is the largest civil aviation provider in the NT and one of ten major airports in Australia. DIA handled 2.83 million passengers in 2017-18 and contributed approximately \$270 million to the NT economy during the year.¹¹ In addition to current capability, the airport is undergoing extensive upgrades, including construction of a cold storage, freight and training facility, and installation of solar energy farms. DIA predicts strong growth in the next 20 years, with the number of passengers through the airport projected to increase from 2 to 6 million, the number of jobs supported by airport business to rise to 3000, and contribution to GSP to double.¹²

Port of Darwin

Darwin Port is leased and operated by Darwin Port Operations Pty Ltd as part of Landbridge Group. The Port incorporates East Arm wharf with commercial facilities, cruise and naval vessel terminals at Fort Hill wharf, pilotage and control systems for the harbour. Darwin Port is capable of handling containers and general cargo, bulk liquids, bulk materials, live exports and heavy lift oversized cargoes. The Port is supported by multi-modal transport service including integrated national road and rail networks.¹³

Road transport hub

Truck Central serves as a major one-stop transport hub in the NT. The hub is strategically located along Wishart Road and Tiger Brennan Drive in between the cities of Darwin and Palmerston to service the transport, logistics and general industry. The purpose-built real estate has 25 available lots with sizes between 3000m² to 9000m². The hub features heavy vehicle inspection, parking, refuelling and driver fatigue management facilities. The hub is undergoing another expansion, expected to be completed in late 2019.

¹¹ <https://www.darwinairport.com.au/node/807/attachment>

¹² *Darwin International Airport Master Plan – Summary Document, 2017*

¹³ *Deloitte, 2018, 'Northern Territory ports infrastructure and future industry growth', Department of Trade, Business and Innovation.*

Rail infrastructure

(CONNECTING NT TO ADELAIDE AND AUSTRALIA)

The AustralAsia rail links Darwin and Adelaide has been operational since 2004. Both freight and passenger services operate between Adelaide and Darwin. Passenger services conclude at the Darwin passenger rail terminal, whilst freight services conclude at the East Arm Wharf Precinct. A 1,500 t/h rail dump facility is available at the wharf precinct for transfer of ore from bottom dumping rail carriages to a conveyor system. The unloading infrastructure has the capacity to handle 25 ore trains per week.¹⁴ The wharf also has facilities for container rail freight.

LNG processing

Major oil and gas exploration and production companies ConocoPhillips and INPEX Corporation have established facilities in the Middle Arm Peninsula in the Darwin Harbour. Acknowledging the significant importance of leveraging the rich mineral deposits in the Territory to attract future commercial investments, a 600-hectare Industrial Precinct at Middle Arm is proposed. The facility is expected to provide downstream gas processing, gas related developments and improve capabilities in accommodating a range of related industries.¹⁵

Ship lift and marine precinct

The NT Government is maximising the strategic location of Darwin to attract future commercial investments into the NT economy, through the development of marine services. Darwin is the only significant marine servicing point on the Australian coast between Cairns and Perth. The development of the Darwin Marine Industry Park will enable the Territory to capitalise on opportunities in key industries including oil and gas, freight and defence. The completion of the project in 2023 will be the largest ship lift in Northern Australia and enable servicing large vessels used by industries including oil and gas, defence and commercial fishing.¹⁶

¹⁴ East Arm Wharf Expansion Project, 2011, Draft Environmental Impact Statement, Vol 2-4, https://ntepa.nt.gov.au/__data/assets/pdf_file/0003/286770/EAW_EIS_ch5.pdf

¹⁵ Northern Territory Government, 2019, Middle Arm Industrial Precinct, <https://theterritory.com.au/invest/investment-opportunities/middle-arm-industrial-precinct>.

¹⁶ Northern Territory Government, 2019, Marine Industry Park, <https://theterritory.com.au/invest/investmentopportunities/marine-industry-park>.



Key social infrastructure

Darwin has a thriving community, and its strong social fabric is supported with a range of social infrastructure and investment in community connections across the City.

Arts and Culture

The City of Darwin has a unique cultural history, being the traditional lands of the Larrakia people. This lasting cultural connection in addition to a vibrant arts scene is a key focus for the City of Darwin, which has an arts plan focused on Public Art, Creative Spaces, Access and Participation, and Arts Development, Opportunity and Connectivity.

Events and festivals are recognised as an important contributor to the social and economic outcomes in Darwin and the Northern Territory. In the NT turbo-charging tourism plan, \$12.1 million was allocated to invigorate and position the Territory as the festival and event destination.¹⁷ The NT Tourism strategy 2030 highlights the value of cultural and outdoor events to the Territory, identifying events as a key priority in driving tourism, and establishing an action plan for investment in events in the region.¹⁸

Similarly, the City of Darwin has also identified the opportunity to leverage the benefits of experiences in Darwin, with a strategy to 'Position Darwin as a host centre for local, national and international sport and other events'.

A number of significant events have attracted local, national and international attention, such as the Darwin Street Arts Festival, which commenced in 2017 and has resulted in the design of over 30 art murals in the City. The Darwin Festival is hosted annually in Darwin CBD in August, and combines outdoor festivities of cabaret, theatre, dance, visual arts, outdoor concerts and fun family events for a period extending over two weeks. As an indicator of success, the festival celebrated its 40th anniversary in 2019.



¹⁷ https://turbochargingtourism.nt.gov.au/__data/assets/pdf_file/0006/493026/turbocharging-tourism-actionplan.pdf

¹⁸ file:///C:/Users/shfreeman/Downloads/Tourism_2030_strat_summary_20p-WEB.pdf

Community infrastructure

A wide range of community infrastructure is available for community and visitors in Darwin.

The Darwin City Council provides 4 libraries across the City. The City's libraries provide visitors and members with access to books, media, and resources. In addition, the library offers online resources such as e-books, digital magazines, and IELTS training.

The City of Darwin provides three public swimming pools in Darwin. The pools provide a range of water-based activities, shade, BBQ and picnic facilities, kiosk and hoist access.

In addition to public pools, the Leanyer water park and Darwin waterfront offers water recreation facilities for visitors and community members of Darwin.

The City's water-based recreation is supplemented by the City of Darwin's multiple parks and green spaces, designed to savour and enjoy the natural environment of Darwin.





A strong and collaborative approach to continuous growth

Darwin and the Northern Territory has a future vision established through a robust evidence base and supported by strong governance structures and frameworks, offering confidence to prospective investors.

NT Economic Development Framework

The development of the Economic Development Framework (EDF) involved partnership with key industries and stakeholders from the NT economic structure which ensured a whole of NT economy perspective. This guaranteed that the EDF incorporated genuine and relevant Territory concerns. The insights collected from different industries allowed better understanding and proper identification of various available and potential supply chains, products and services in the Territory. The partnership and collaboration from key industries and stakeholders into the EDF improves the viability of existing and future strategic plans and actions.

The EDF serves as a guideline to the future direction of the NT economy. Through this, a unified NT is presented to potential investors communicating a strong governance and commitment for the NT economy. This increases the exceptional investment potential into the NT economy and confidence from future investors.

NTG strategy

The NTG Strategy sets out the priorities and strategies of the NT Government. The existing and potential opportunities and partnerships are properly identified and evaluated to determine priority sectors. The NT Government will use the strategic location and diverse community of the NT as a vehicle to grow the economy. Transformative projects and initiatives in partnership and collaboration with the dynamic economies of its northern neighbours is planned to drive growth and improve the competitive advantage of the NT.

City of Darwin Strategy 2030

The City of Darwin has established a ten-year strategic plan to 2030, 'City of People. City of Colour'. The plan identifies five strategic directives for the City to achieve over the next ten years, including:

- A capital city with best practice and sustainable infrastructure
- A safe, liveable and healthy city
- A cool, clean and green city
- A smart and prosperous city
- A vibrant and creative city.

The plan outlines clear actions to deliver each directive and the role that the City will play in each action, recognising this may include acting as a provider, a funder, a regulator, a partner, a facilitator, or an advocate.

Associations and leaders

The economic and social development of the City of Darwin is supported by a strong group of business and community leaders. A few examples are listed below.

The Darwin Major Business Group represents 14 companies that directly employ more than 4,200 staff and spend up to \$500m in capital each year. The group shares data and provides a coordinated voice to policy and direction.¹⁹

The Chamber of Commerce NT is the largest employer association in the Northern Territory. An independent, not-for-profit and non-government body, they provide a platform for lobbying on the issues that impact upon business, as well as services and support to business in industrial relations, training, employment, education and training advice, and networking.

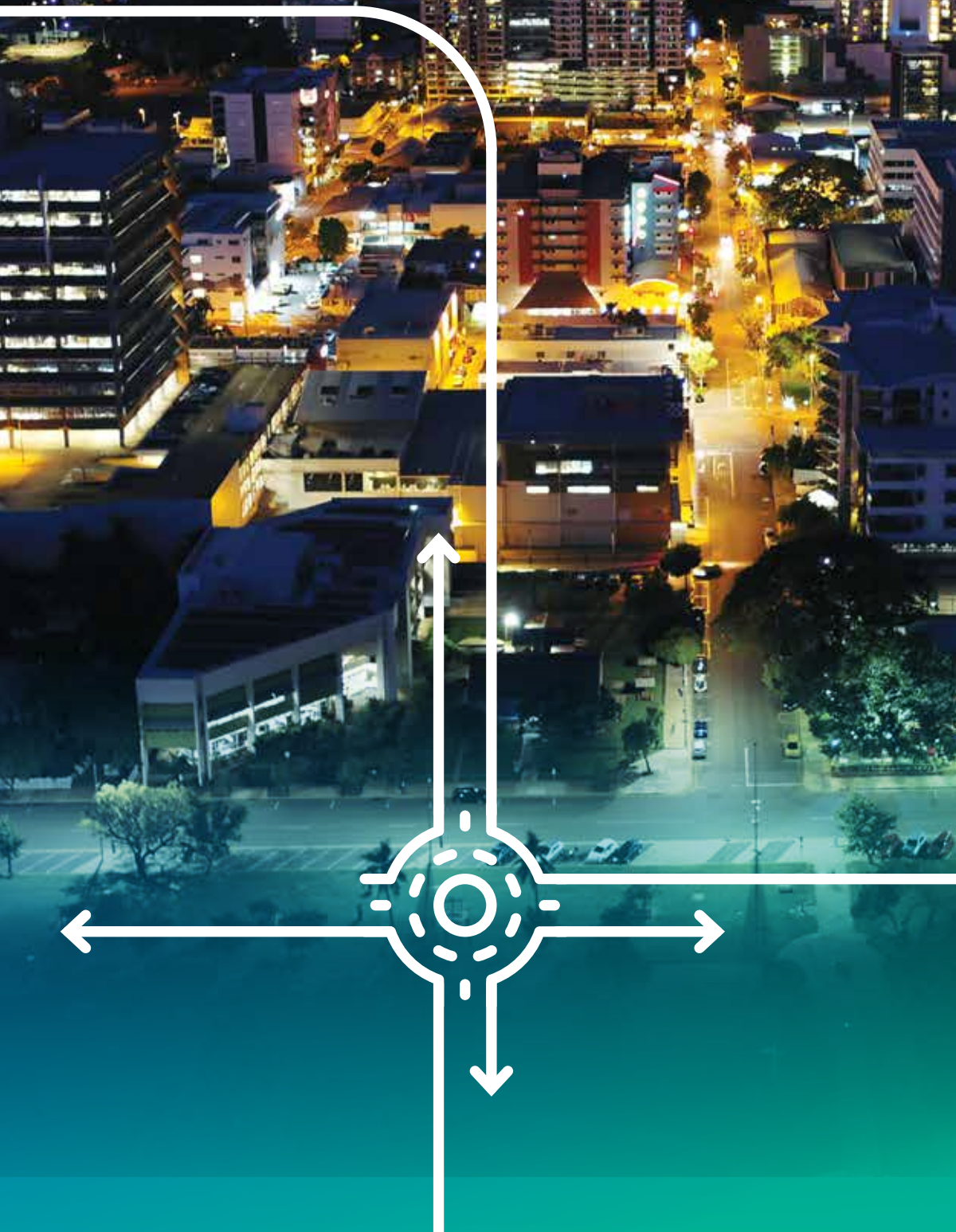
Darwin Innovation Hub supports and commercialises companies and commercial projects that provide an economic advantage to the Northern Territory. The DIH focuses on Asia Pacific with partnerships and collaborations in such centres as Singapore, Shenzhen, and Shanghai. Key services include start-up business development, start-up mentorship, industry problem workshops, venture capital investment readiness, international market development, executive training workshops, and pitch events.



¹⁹ <https://aicd.companydirectors.com.au/membership/company-director-magazine/2018-backeditions/october/on-the-road-nt>



Partners are supported





Resources for investors

The City of Darwin has a range of mechanisms to support investors, including:

Pathways to engage with the City:

- The City of Darwin's unsolicited proposal framework
- The City of Darwin's tender process

New infrastructure and capabilities:

- #SmartDarwin Strategy
- Darwin City Deal

Established resources and capabilities for partners to leverage:

- The City of Darwin's Property and asset holdings
- Business and commercial facilities; and
- City of Darwin capital works program.



The City of Darwin's unsolicited proposal framework

The City of Darwin welcomes and accepts unsolicited proposals, which engender partnership with the City for the progression of the City's strategic vision. Proposals will be considered on merit and in the context of Council priorities. The City's Chief Executive Officer and an expert panel takes carriage of the assessment of all unsolicited proposals, for presentation to council.

A proposal to the City of Darwin should include:

- A high-level outline of contents
- Objectives
- Unique or distinctive elements
- Rationale, if any, for not participating in an open competitive process
- Nature and extent of anticipated outcomes
- Public benefits the proposal will bring to Darwin
- Financial and commercial details, including sources of funding and a cost estimate
- The nature of support requested from Council including why Council support is necessary for the project to proceed
- Details of intellectual property
- Details of the proponent(s); and
- Proposed duration of the arrangement.

The City's assessment process for unsolicited proposals includes three key steps:

1. Initial review
2. Strategic Assessment; and
3. Formal Evaluation

The considerations in each of the key steps of assessment are described in detail in the City's policy for unsolicited proposals, available on the city's website.

The City's unsolicited proposal framework recognises that innovation and new and novel approaches to proposals can result in broad benefits including the advancement and progression of the City's strategic vision and objectives. The framework provides a vehicle through which prospective partners of the City can engage with the administration's leadership including the Chief Executive Officer to progress innovative proposals.



Tender Process

In addition to the unsolicited proposals process, the City seeks tender submissions for a variety of activities, which are advertised on the City's website and in the Northern Territory Newspaper (NT News) as well as other methods as appropriate. All successful tenders are published on the City's website.

#SmartDarwin

Smart technologies infrastructure is available to partners through the City of Darwin's Smart City Strategy #SmartDarwin, which aims to ensure that government, industry and community are prepared for a digitally and data-enabled future.

The strategy provides a strong foundation for investors and partners in the City, articulating a vision for long term growth empowered by global and data capabilities:

"As the capital of Northern Australia, Darwin is a smart, liveable, productive and sustainable global city and Australia's gateway to South East Asia. Through data-driven decisions, people-oriented design and increased public participation, City of Darwin is a destination of choice for businesses, investors, workers, visitors and residents."

Five key pillars of the strategy establish how the City of Darwin will collaborate with community, business, key stakeholders and all levels of government:

1. Developing and connecting vibrant, safe, strategic precincts – through new solutions underpinned by smart technologies, data and innovation.
2. Building a resilient and productive economy – by leveraging the opportunities emerging from industry 4.0.
3. Enabling sustainable and smart environmental management – using sophisticated technology, data, research and innovation.
4. Creating inclusive, smart, healthy communities that attract new residents – by providing the amenity, support and services desired by those the City is seeking to attract.
5. Delivering an agile, innovative and collaborative city government – with strategic and operational frameworks and systems that enable responsive, data-driven and collaborative service provision.

The City has commenced its roll out of the first phase of technology and infrastructure to support data-driven innovation across Darwin city. This technology will enable the next phase of implementing the #SmartDarwin strategy, by providing the infrastructure required to collect, store, analyse and use big data. This technology foundation will enable the City of Darwin to work with partners to resolve complex challenges for society, the economy and the environment.

Enabling infrastructure that will be established in the City of Darwin through the #SmartDarwin strategy includes:

- Smart Street Lighting
- Public Wi-Fi
- CCTV
- Microclimate sensors
- Parking sensors; and
- Smart City Platform for data aggregation.

Darwin City Deal

The Darwin City Deal will offer partners significant new capability in Darwin. Darwin City Deal is a tri-partite initiative between the Australian Government, the Northern Territory Governments, and the City of Darwin, to develop approaches to planning, policy and investment, and to create a future-ready Darwin. The Deal includes the delivery of a 10-year plan for the Darwin City Centre, ultimately laying a foundation for economic and sustainable growth. A central focus of the deal is the revitalisation of Darwin's city centre, and facilitation of planning and coordination across stakeholders to support Darwin's growth.

Key commitments of the deal include:

- A new education and civic precinct including a new Charles Darwin University campus
- A redeveloped and greener state square
- Innovations to cool and green the city, including the CSIRO-led 'Urban Living Lab'
- Support for Larrakia People through employment, cultural promotion and the development of the Larrakia Cultural Centre
- Unlocking of potential at dormant sites in Darwin

Further to the commitments of the deal, the City of Darwin has contributed independently by:

- Providing land for the CDU education and civic precinct and projects to enhance the development including possible library and civic garden spaces.
- Undertaking a \$4 million plan for the revitalisation and activation of laneways and small streets
- Beautification of the City, including introduction of smart technology, LED lighting, digital wayfinding and promotion of culture and heritage
- Expansion of outdoor dining and entertainment culture by increasing shade and green spaces
- Tree planting with resilient tree species

Property and asset holdings

The City of Darwin's assets are managed through a systematic approach, allowing the City's assets to be planned, created, operated, maintained, renewed and disposed of in accordance with Council's priorities for service delivery. The City's infrastructure assets are classified into 11 classes such as land, buildings and structures, and public art and heritage.

The City has applied a policy for asset management which aims to ensure that approaches to asset management occur within a framework that is strategic, consistent, aligned with policy and regulation, evidence based, sustainable and well-governed.

The City's property and asset holdings range broadly including:

- New infrastructure that supports Smart technology such as CCTV
- Commercially operating assets such as the Shoal Bay Waste Management Facility; and
- Traditional Council facilities such as libraries, parks and roads

The City's assets form a key mechanism through which the City of Darwin can progress the City's vision and strategic objectives, including through use of the facilities to enable partners to invest in the City, by means such as long-term leasing to provide certainty, commercially attractive leasing options to foster economic growth, and shared development of assets.



Business and commercial facilities

In addition to community facilities, the City of Darwin has a number of commercial facilities and community facilities with commercial opportunities including:

- Shoal Bay Waste Management Facility
- Pools and recreation centres
- Parks and facilities available for events; and
- Parking facilities

The Council-managed Shoal Bay Waste Management Facility accepts 180,000 tonnes of waste each year. The site recycles, extracts gas for conversion to energy, and processes green waste. Gas extraction has been happening on-site since 2005 and generates green power which is provided back into the power grid. Enough power is generated to power 1,800 households in Darwin and save over 50,000 tonnes of greenhouse gas emissions each year. Additionally, 30,000 tonnes of mulch is produced annually, predominantly from Darwin households.

The City also has a range of venues and facilities available for events, including three community centres, the Gardens amphitheatre, three pools, recreation facilities (including basketball half courts, tennis courts, a skate park, velodrome, and Lake Alexander), and over 600 hectares of parks and playgrounds. Council offers a variety of equipment for use at events as well, including various games, accessible flooring, PA equipment, and stages. Additionally, the City's off-street car parks provide over 2,000 parking spaces in the City.

The City is open and interested to consider commercial market opportunities for its facilities. Some of these opportunities are discussed in the next chapter.

Capital works program

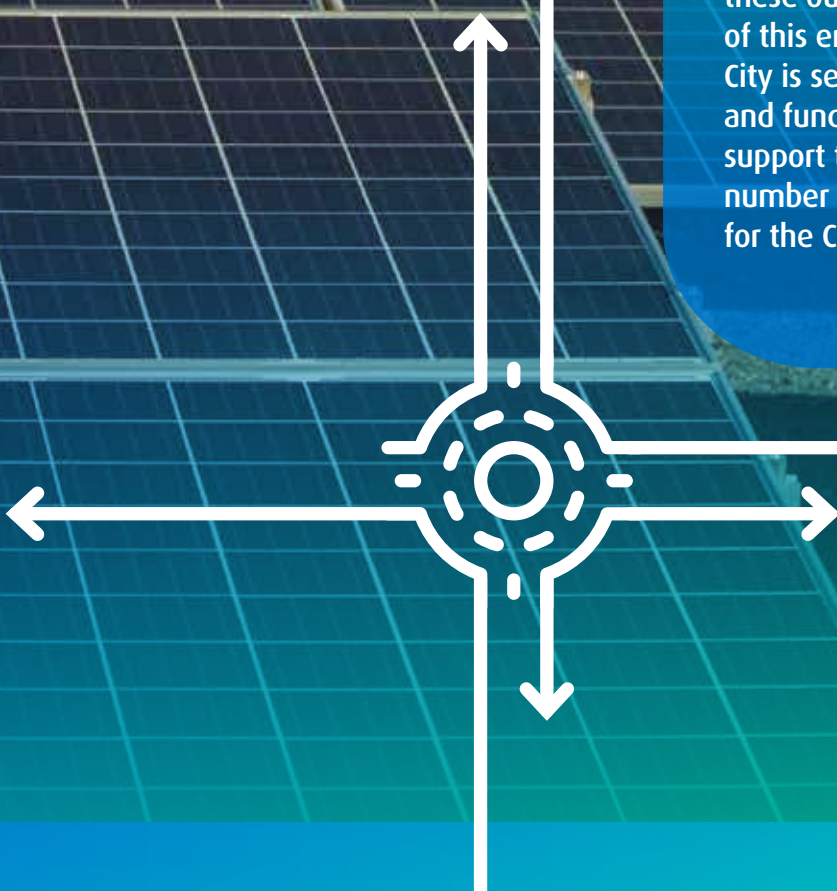
The City's capital works program includes renewal and development of new infrastructure, including parks and reserves, drains, footpaths, local roads and community buildings. In 2017-18, the City spent \$24.63 million on the capital works program. The budget has nearly doubled for 2019-20 to \$53.07 million. Of this, \$13.12 million is attributed to the replacement or renewal of existing assets.

The capital works program includes transport projects such as minor and major safety and traffic improvements, new street lighting, road resurfacing, and reconstructing and maintaining footpaths. Building and structures projects include interior, exterior, and structural renewals; upgrades and refurbishments; and infrastructure improvements. Parks and reserves projects can include playgrounds, cemeteries, fences, parks, irrigation infrastructure, and more. Pathways such as footpaths, driveways, and walkways need to be maintained and upgraded. Plant and equipment projects include IT infrastructure, pumps, and other equipment replacement and upgrades. Other capital works projects can include public art development, stormwater infrastructure, waste management, and street and public lighting.

The City aims to provide and maintain infrastructure and other assets that meet the needs of the Darwin community through continual improvements.

Our major community projects

The City of Darwin is seeking to create opportunities to enhance the economic, cultural and environmental sustainability of Darwin. The City will work with the community and partners, provide leadership, and deliver services to achieve these outcomes. As part of this endeavour, the City is seeking investors and funding partners to support the delivery of a number of major projects for the City.





The City's proposed major projects include:

LAMEROO BEACH TO THE WATERFRONT - DARWIN ESPLANADE PUBLIC SPACE REDEVELOPMENT, AMENITY ENHANCEMENT AND FORESHORE CONNECTION

Opening access to our City's sites of natural beauty, history and culture to enhance recreation and engagement for our residents and visitors.

CASUARINA POOL - COMMUNITY AND RECREATION FACILITY REDEVELOPMENT

Redevelopment of the Casuarina pool into an aquatic and community precinct for everyone to enjoy active lifestyle benefits, including café, meeting spaces, family activities, indoor and outdoor exercise (yoga, rock climbing and x-fit) and swimming.

VESTHEY'S BEACH - PUBLIC SPACE ENHANCEMENT WITH POTENTIAL PUBLIC, PRIVATE PARTNERSHIP DEVELOPMENT

In alignment with the community's expressed aspiration for development that leverages the natural assets of the reserve, development of a man-made wave pool facility with beautification of the reserve and supporting hospitality infrastructure.

DARWIN'S SMART NORTHERN SUBURBS

Under the #SmartDarwin strategy, switching on Darwin was delivered in 2019. Smart city technology will now be deployed to the Northern Suburbs and analytics will enable informed decision making across Darwin such as data-informed master planning for large scale community park facilities.

SERVICE COMMERCIALISATION OPPORTUNITIES - INCLUDING WASTE MANAGEMENT, PROPERTY, CAR PARKING AND STREETLIGHT ASSETS

Council has four areas of asset classes and operations that provide a semi-commercial return. However, to fund future developments and enhancement to the City it would be prudent to review a commercialised business unit for establishment within the Council. This would provide a greater opportunity to capitalise on development, commercial, and funding opportunities.

RENEWABLE ENERGY HUBS - INCORPORATING SOLAR PV AS WELL AS WASTE TO ENERGY TECHNOLOGY

Part of Council's Climate Change and Environment Action Plan is to convert to renewables and become carbon neutral. There is a significant opportunity for Council to lead the community in creating renewable energy hubs at Council Facilities and leverage Waste to Energy Technologies at Council's owned and operated Regional Waste Facility.

Lameroo Beach to the Waterfront

Darwin Esplanade public space redevelopment, amenity enhancement and foreshore connection

Description

Darwin's city centre offers wide streets, green leafy parks, retail and dining opportunities. The Darwin Central Business District (CBD) is bordered by the calm waters of the Darwin Harbour. To the north and east of the CBD, residential and industrial areas sustain the inner city, to the south the CBD links to the popular Darwin Waterfront precinct, an attractive location for tourists and residents, with a man-made beach, wave pool and parklands surrounded by restaurants and bars. The Waterfront precinct also hosts the cruise ships visiting Darwin.

Whilst the City is developed to the north, east and south, to the west of the Darwin CBD limited development has been facilitated. Bicentennial park forms a border on the west of the CBD, and with its elevated position, it offers impressive views of the harbour and sea. Under the elevated Bicentennial Park is Lameroo Beach.

The City of Darwin envisages significant opportunities for the development of the green spaces along the western edge of the CBD, including Lameroo beach to the Darwin Waterfront.

The space between the CBD and the harbour offers existing green space to be built upon to harness the beauty and attractiveness of the tropical features of the Northern Territory. Key features along the site include:

- Doctors Gully, the site at which Dr Robert Peel's first survey team found fresh water.²⁰
- Lameroo beach, adjacent beach to the Darwin waterfront, and formally home to historical ocean baths of Darwin, opened in May 1922²¹, and later destroyed during cyclone Tracy in 1974.
- Bicentennial Park, a large lush park, overlooking Darwin Harbour.
- Darwin Cenotaph war memorial, commemorating those who have served in conflicts in which Australia has been involved.
- Darwin Waterfront, including the Darwin Convention Centre, hotels, public open spaces, a recreation lagoon and wave pool, mixed use retail and commercial space, a university school, a skybridge connecting to the CBD, cruise ship terminal and up to 1,500 waterfront apartments.
- Darwin oil tunnels built during World War II to protect the oil stored in Darwin from bombing.
- Aquascene fish feeding sanctuary

²⁰ <https://aquascene.com.au/history/>, accessed 28 Oct 2019

²¹ G.N 218 22". *Northern Territory Times and Gazette*. Northern Territory. 7 Oct 1922. p. 6. Retrieved 28 Oct 2019– via National Library of Australia.



Opportunity

The City of Darwin sees significant potential and opportunity for investors through the attraction and retention of resident and visitor populations to developments on the western corridor of Darwin CBD. With over one million visitors to the Darwin Waterfront in 2015-16²² the potential for the greater outcomes at locations on the west of the City are high.

Potential

Development ideas that would be suitable for exploration include:

- Development of a foreshore walkway below Bicentennial Park, connecting Doctors Gully, Lameroo Beach and the Darwin Waterfront
- Playground and family activity area in the north-western end of the park. Including water play, riding circuits and natural play areas, as well as facilities including shade, seating, barbecues and lighting
- Enhanced pedestrian and recreational access networks across the City and promoting the City's natural beauty, the project also leverages the City's history and sites of significance
- Repurposing or establishment of infrastructure for community & commercial use purposes
- Development of commercial hospitality facilities
- Introduction of ferry/water transport options for passenger transfers
- Development of waterfront experiences, such as a lagoon or marina to enhance water access and use
- Boutique hotel and accommodation developments

Principles

Guiding principles for developments on the CBDs western corridor include:

- Linkage of the Darwin CBD, western boundary and Darwin waterfront precinct
- Enhance tourism and recreational opportunities for Darwin
- Leverage the tropical environment through planting which supports the biodiversity of birds, insects and animals
- Deliver beach access in some locations
- Value the history and heritage of the precinct and harness education and interpretation opportunities

²² <https://theterritory.com.au/invest/case-studies/darwin-waterfront>

Key

Desired commencement	Mid 2023 to 2025
Suggested project timeframe	18 – 24 months from commencement
Total cost	Dependent on development approach
Proposed funding arrangement	Partnership and co-funding arrangement with City of Darwin
Minimum commitment by City of Darwin	Ongoing maintenance of public spaces and facilities
Map	https://goo.gl/maps/m5yaRM155gHgeZHX9

Related & complimentary projects

Plans for the reimagining and development of the Darwin CBD can be found in the Civic and State Square Masterplan, Northern Territory Government, <https://cbd.nt.gov.au/state-squaremasterplan>

Approaches to the development of the Darwin CBD, including linkage of precincts can be found in the Darwin City Centre Master Plan, May 2015, City of Darwin https://www.darwin.nt.gov.au/sites/default/files/publications/attachments/final_city_centre_masterplan_endorsed_may2015.pdf



Casuarina Pool Redevelopment

To include new community and recreation facilities and integrated local government community facilities

Description

Casuarina is a northern suburb of the City of Darwin, the suburb forms a key service location for the community in the northern suburbs of Darwin, being the home of the Territory's largest shopping Centre, Casuarina Square, and a bus interchange. The suburb is well resourced to support families and young adults with a range of community facilities, including the main campus of the Charles Darwin University, senior and primary schools, a community library and the Casuarina pool.

The Casuarina pool complex opened in 1977, and comprises three pools including a 50m pool, a 6m radius shaded toddler pool and a 20m shaded learn-to-swim pool. The grounds include a range of additional recreation facilities such as a half-basketball court, BBQ and picnic facilities, services including swimming lessons, plant and equipment. The facility is operated by YMCA, under contract to the 2022/23 financial year.

Opportunity

Redevelopment of the pool would provide a revitalised aquatic and community precinct that combines a place for everyone to enjoy active lifestyle benefits. The precinct will include a café, meeting spaces, family recreation features, indoor and outdoor exercise (yoga, rock climbing and x-fit) and swimming pools. Strategically located opposite the Casuarina shopping centre, and servicing the northern suburbs, the precinct could house complimentary community services such as a childcare centre and library.²³

Potential

Development ideas that would be suitable for exploration include:

- Redevelopment of the pool
- Establishment of multiple new small cafes and hospitality offerings
- Design and development of multiple new indoor and outdoor recreational facilities
- Provision of community meeting and connection spaces for community members
- Rooms and spaces for children's play and social activities

²³ Draft Strategic Projects 2019-2020 document.



Principles

Guiding principles for developments at the Casuarina pool include:

- Improved and additional recreation options for Darwin residents and visitors
- Increased number of lifestyle attractions and opportunities for Darwin families
- Development of spaces to activate community engagement
- Revitalised pool precinct
- Enhanced attraction and retention of residents and visitors to Darwin's northern suburbs

Key

Desired commencement	early 2022
Suggested project timeframe	12 – 18 months from commencement
Total cost	Approximately \$16 – 20 million
Proposed funding arrangement	Partnership and co-funding arrangement with City of Darwin
Minimum commitment by City of Darwin	Ongoing management of facilities
Map	https://goo.gl/maps/gnHCHoNvo2pBToG8A

Related & complimentary projects

Casuarina square expansion

Housing development at Muirhead/Lee Point

Casuarina Pool master planning (documentation to be made available to proponents)

Operational management of the Pool (patronage data to be made available to proponents)

Vestey's Beach Development

Public space enhancement with potential public, private partnership development

Description

Vestey's Reserve is a parcel of public coastal land in Fannie Bay, north of Darwin's famous Mindil Beach. The reserve includes the man-made Vestey's lake, walking and cycling tracks, a playground, seating and barbeque areas.

Various proposals for the development of Vestey's Reserve have been put to the Council in the past. To assist in determining the right course of action, the City of Darwin consulted with community members in the 2016/17 financial year to assist in designing future development activities for the site.

Findings from the consultation process²⁴ identifying the community's aspirations for development fell under the following themes:

- Strengthening and enhancement of the natural values of the reserve
- Improvement of existing, and development of some social infrastructure for enjoyment of the area
- Action to support the management of anti-social behaviour in the area; and
- Recognition and commemoration of history and Aboriginal culture and connection to the area

Opportunity

In alignment with the community's expressed aspiration for development that is focused on enhancement of the natural values, and social infrastructure of the area, to complement this approach and encourage greatest use of the area, the City is pursuing the development of a substantive recreational facility, such as a man-made surfing facility. Alongside this recreational facility would be enhancement of parklands, gardens and play facilities, as well as hospitality facilities such as a club house, café and restaurant.

Centrally located near to Darwin's CBD, Vestey's Reserve is well placed for a substantive recreational development opportunity. The precinct has the opportunity to leverage its proximity to Mindil beach and the Mindil Beach Casino resort to attract and retain the Darwin tourist market.

The City of Darwin also recognises the unique opportunity a significant recreational and natural values development provides to attracting the nearby Asian market to Darwin and the Territory.

As well the City of Darwin aims to provide developments that meet the needs and wants of residents in the Darwin municipality. A new and innovative recreational facility such as a manmade surfing site and associated infrastructure provides a new and unique recreational space to attract and retain residents in the region seeking a greater range of facilities for recreation, community gathering and networking and leisure spaces.

²⁴ https://www.darwin.nt.gov.au/sites/default/files/file/agendas/council_agenda_-_2nd_ordinary_council_meeting_-_open_-_30_august_2016.pdf



Potential

Development ideas that would be suitable for exploration include:

- Establishment of a man-made surf facility
- Development of a surf-club house style hospitality development with additional small outdoor eateries and cafés
- Development of park lands, playgrounds and open green space

Principles

Guiding principles for development at Vestey's beach include:

- Strengthening and enhancement of the natural values of the reserve
- Provision of a substantive water-based recreational opportunity for residents and visitors at Vestey's beach
- Provision of complimentary features to a water-based recreational facility in the precinct including hospitality and park offerings
- Development of a new distinguishing recreation district near the Darwin CBD
- Enhancement of Darwin's recreation/entertainment facilities to attract and retain more visitors and residents
- Investment in Darwin as a more desirable place to live and visit
- Expansion of Darwin's tourism portfolio and product offerings
- Recognition and commemoration of history and Aboriginal culture and connection to the area

Key

Desired commencement	2022
Suggested project timeframe	18 – 24 months from commencement
Total cost	Approximately \$40 million
Proposed funding arrangement	Public private partnership arrangement
Minimum commitment by City of Darwin	Ongoing management of facilities & action to support anti-social behaviour in the area.
Map	https://goo.gl/maps/zknoEu5YRQwQxEgD7

Related & complimentary projects

Outcomes from the community consultation activities undertaken relating to Vestey's beach can be found here https://www.darwin.nt.gov.au/sites/default/files/file/agendas/council_agenda_-_2nd_ordinary_council_meeting_-_open_-_30_august_2016.pdf

Darwin's Smart Northern Suburbs

Description

The Australian Government Smart Cities and Suburb Program supports projects that apply innovative technology-based solutions to urban challenges.

The #SmartDarwin strategy established by the City of Darwin has identified pillars for success, including:

- Developing and connecting vibrant, safe, strategic precincts
- Building a resilient and productive economy
 - Enabling sustainable and smart environmental management
- Creating inclusive, smart, healthy communities that attract new residents; and
- Delivering an agile, innovative and collaborative city government.

Phase 1 of the City of Darwin's #SmartDarwin strategy includes the roll-out of technologies and systems that build the capacity of the City to collect, store, analyse and use big data, including smart street lighting, public Wi-Fi, CCTV, parking sensors, environmental sensors, platforms and analytics to enhance the use of data.

The City of Darwin commenced phase 1 of the #SmartDarwin strategy in 2019 by deploying smart city technology across the CBD. To extend the potential of the #SmartDarwin across the municipality, smart city technology will be deployed across the city to the Northern Suburbs as a subsequent stage of the project.

Opportunity

Following the establishment of technology enabled infrastructure across Darwin's CBD and northern suburbs, the City will have the capability to collect, store, analyse and use big data to improve decision making in relation to the management of northern suburbs public facilities. This technology foundation will enable the City of Darwin to work with partners to resolve complex challenges for society, the economy, and the environment.

Benefits likely to be delivered to Darwin's northern suburbs include:

- Community safety through the use of technology to reduce anti-social behaviour and increase insights to assist emergency services
- Better service from council and efficiency gains in operational activities through insights offered through technology
- Environmental sustainability through reduced energy consumption and carbon emissions, and improved understanding of environmental activity through technology
- Smart planning through the use of technology to inform evidence-based decision making
- Innovation and new business opportunities through new data assets
- Improved public spaces through enhanced Wi-Fi, lighting, parking and information about pedestrian and vehicle movements



Potential

Development ideas that would be suitable for exploration include:

- Installation of environmental sensors
- Lighting upgrades
- Establishment of CCTV networks
- Improved Wi-Fi access
- Use of smart data to improve design and enhance use of Parks and recreational facilities
- Use of smart data to enhance planning and coordination of the green and wildlife corridors in the City of Darwin to improve natural beauty and environmental outcomes

Principles

Guiding principles for the roll out of smart cities in northern suburbs include:

- Enhance infrastructure and service delivery to residents across the municipality
- Equality of access to best practice in service planning and development across the municipality
- Data driven and community informed decision making in Council investments
- Innovation in design and service delivery

Key stages

Desired commencement	Mid 2020
Suggested project timeframe	6 – 9 months from commencement
Total cost	Approximately \$4 – 8 million
Proposed funding arrangement	In partnership between City of Darwin, NT Government and Australian Government under the Smart City Deals.
Minimum commitment by City of Darwin	Ongoing management of infrastructure and analytics to deliver location insights to support planning and decision making.

Related & complimentary projects

#SmartDarwin <https://www.darwin.nt.gov.au/council/transforming-darwin/smartdarwin/smartdarwin-overview>

Service commercialisation opportunities

Including waste management, property, car parking and streetlight assets

Description

Council has four areas of asset classes and operations that provide a semi-commercial return, including waste management, property, car parking and streetlight assets. To ensure the best management of the City's assets and strategic approaches to funding future developments in the City, it is prudent to consider opportunities to commercialise business activities and establish a dedicated commercial unit within the Council. A unit would provide the framework through which the Council can leverage opportunities to capitalise on development, commercial and funding opportunities.

Opportunity

Commercialisation provides a structured approach to the generation and diversification of non-rate revenue for the City of Darwin. Consideration of revenue streams by the City of Darwin is important to reduce the burden of service provision on rate payers, enable the City to continue to respond to the expectations of the community for quality services, and to counter risks of costshifting to local governments.

Potential

Using a structured and strategic approach to the management of the City's commercial assets, a framework for decision making will be established to guide the City in considering non-rate revenue generation alongside service provision and community need.

The following will be considered in relation to the commercialisation review:

- Acquisition mix of residential, commercial and industrial properties
- Divestment or development of identified City owned land
- Investment of seed capital to encourage development
- Increase commercial viability of existing facilities (better utilisation)
- Retention of financially viable land holdings
- Delivery of services and provision of infrastructure
- Creation of new business opportunities; and
- Improvement of existing business service.

The leadership team will then provide a recommendation to the Council for further consideration.



Principles

Guiding principles for the review of service commercialisation opportunities include:

- Continuous improvement of the City's operational activities
- Positive social and economic benefits for the City and its constituents
- Leadership and innovation in operational approaches to government service delivery

Key stages

Desired commencement	2020
Suggested project timeframe	Ongoing with annual review
Total cost	Approximately \$50,000 - \$150,000
Proposed funding arrangement	To be fully funded by City of Darwin

Renewable Energy hubs

Incorporating Solar PV as well as Waste to Energy Technology

Description

The City of Darwin has implemented a number of strategies to reduce its carbon footprint, including the establishment of the first waste to energy facility in a tropical region, at the City's Shoal Bay waste management precinct. The Darwin Renewable energy facility created in partnership with Landfill Management Services produces electricity from methane gas harvested from the landfill, which powers 1,000 Darwin homes. The City has also installed solar panels on Council assets to generate electricity as well as implementing behaviour change initiatives targeting staff members.

Opportunity

The Council's Climate Change Action Plan aims for the City to reduce its carbon footprint, through multiple efforts, including conversion to renewable energies. The City recognises that there is a greater opportunity for Council to lead the community in reducing carbon emissions and creating renewable energy. The City will strategically utilise its assets, facilities and technologies to achieve this change.

Potential

The renewable energy hubs project will provide an analysis of opportunities, a renewable energy target and a plan for achievement of this target over the next 10 years. The analysis will specifically consider renewable energy options for the City of Darwin, including:

- Installation of rooftop solar across Council facilities
- Investment in smart and clean technologies to reduce power use, emissions and waste
- Provision of Council land holdings for solar farm investment and development; and
- Application of waste to energy technologies.

Principles

Guiding principles for the City's renewable energy hubs activities include:

- Reduction of the City of Darwin's carbon footprint
- Leadership and urgency in taking climate change action in Darwin
- The use of innovation to transition to a reduced carbon emission state



Key stages

Desired commencement	2021
Suggested project timeframe	18 – 24 months from commencement
Total cost	Approximately \$100,000 to \$13 million (including implementation of outcomes)
Proposed funding arrangement	To be fully funded by City of Darwin

Ways to engage and invest

The City of Darwin hopes to reduce red tape and make investment an easy and attractive option for prospective partners. To establish a stream-lined process, the City invites interested parties to engage directly by contacting the General Manager Innovation, Growth and Development Services.

Email: joshua.sattler@darwin.nt.gov.au

Phone: 08 8930 0444

Mobile: 0427 979 771

More information about the City of Darwin can be found on the website at www.darwin.nt.gov.au



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