

Business Papers

City Operations Committee Meeting

Wednesday, 20 June 2018
5.30pm





Notice of Meeting

To the Lord Mayor and Aldermen

You are invited to attend a City Operations Committee Meeting to be held in Meeting Room 1, Level 1, Civic Centre, Harry Chan Avenue, Darwin, on Wednesday, 20 June 2018, commencing at 5.30pm.

A handwritten signature in dark ink, appearing to read "S. Waters", with a horizontal line underneath.

SCOTT WATERS
CHIEF EXECUTIVE OFFICER

CITY OF DARWIN

CITY OPERATIONS COMMITTEE MEETING

WEDNESDAY, 20 JUNE 2018

MEMBERS: Member R Want de Rowe (Chair); The Right Worshipful, The Lord Mayor, K Vatskalis; Member R M Knox; Member E L Young.

OFFICERS: Chief Executive Officer, Mr S Waters; Acting General Manager City Operations, Mrs N Nilon; Acting Manager Design, Development & Projects, Mr J Whyte; Manager Infrastructure Maintenance, Mr R Quinn; Manager Capital Works, Mr N Kleine; Executive Assistant, Ms J Wylie.

Enquiries and/or Apologies:

E-mail: j.wylie@darwin.nt.gov.au - PH: 89300 581

OR Phone Meeting Room 1, for Late Apologies - PH: 89300 519

Committee's Responsibilities

THAT effective as of 26 September 2017 Council, pursuant to Section 32 (2)(b) of the Local Government Act, hereby delegates to the City Operations Committee the power to make recommendations to Council and decisions relating to City Operations matters within the approved budget:

- Asset Management
- Building Services
- Capital Works
- Civil Works
- Design
- Development
- Fleet/Workshop
- Operations Administration
& Stores
- Parks & Reserves
- Waste Management
- Public lighting

OPEN SECTION

OPERATIONS06/4

City Operations Committee Meeting – Wednesday, 20 June 2018

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OPEN SECTION

OPERATIONS06/5

City Operations Committee Meeting – Wednesday, 20 June 2018

1. **MEETING DECLARED OPEN**

2. **APOLOGIES AND LEAVE OF ABSENCE**
Common No. 2695036
 - 2.1 **Apologies**

 - 2.2 **Leave of Absence Granted**

3. **ELECTRONIC MEETING ATTENDANCE**
Common No. 2221528

4. **DECLARATION OF INTEREST OF MEMBERS AND STAFF**
Common No. 2752228

5. **CONFIRMATION OF MINUTES OF PREVIOUS MEETING/S**
Common No. 1955119
 - 5.1 **Confirmation of the Previous City Operations Committee Meeting Minutes**

THAT the Committee resolve that the minutes of the previous City Operations Committee Meeting held on Wednesday, 23 May 2018, tabled by the Chair, be received and confirmed as a true and correct record of the proceedings of that meeting.

 - 5.2 **Business Arising**

6. **DEPUTATIONS AND BRIEFINGS**

7. **CONFIDENTIAL ITEMS**
Common No. 1944604

OPEN SECTION

OPERATIONS06/6

City Operations Committee Meeting – Wednesday, 20 June 2018

8. WITHDRAWAL OF ITEMS FOR DISCUSSION

THAT the Committee resolve under delegated authority that all Information Items and Officers Reports to the City Operations Committee Meeting held on Wednesday, 20 June 2018 be received and considered individually.

OPEN SECTION

OPERATIONS06/7

City Operations Committee Meeting – Wednesday, 20 June 2018

9.1 OFFICERS REPORTS (ACTION REQUIRED)



**ENCL:
NO** **CITY OPERATIONS COMMITTEE/OPEN**

AGENDA ITEM: 9.1.1

LIGHTING AND CCTV FOR SECURITY IMPROVEMENT AT EAST POINT

REPORT No.: 18CO0026 AM:jw COMMON No.: 3665059

DATE: 20/06/2018

Presenter: Manager Infrastructure Maintenance, Ron Quinn

Approved: Acting General Manager City Operations, Nadine Nilon

PURPOSE

The purpose of this report is to provide Council with cost estimation for potential lighting upgrade and CCTV installation to improve security at East Point.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':

Goal

3 Environmentally Sustainable City

Outcome

3.3 Conserve and protect the Darwin environment

Key Strategies

3.3.1 Advocate for the conservation of natural systems

KEY ISSUES

- There have been a number of incidents reported where wildlife have been injured or killed at East Point after hours.
- Vandalism, anti-social behaviour and hooning occur regularly within East Point Reserve.
- A large area of East Point Reserve is closed to vehicles between 11pm and 5am.
- A report was presented to Council in February 2018, from which Council resolved to;
 - increase security patrols, including gaining further data on activity
 - further investigate CCTV and lighting options
- This report presents further information for Council consideration and recommends continued security patrols and lighting upgrade.

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 REPORT NUMBER: 18CO0026 AM:jw
 SUBJECT: LIGHTING AND CCTV FOR SECURITY IMPROVEMENT AT EAST POINT

RECOMMENDATIONS

THAT it be a recommendation to Council:

- A. THAT Report Number 18CO0026 AM:jw entitled Lighting And CCTV For Security Improvement At East Point, be received and noted.
- B. THAT Council continues with the additional security patrol within East Point Reserve, as outlined in Report Number 18CO0026 AM:jw entitled Lighting And CCTV For Security Improvement At East Point.
- C. THAT Council replaces the existing lighting within East Point Reserve with LED luminaires within the lighting replacement program, as outlined in Report Number 18CO0026 AM:jw entitled Lighting And CCTV For Security Improvement At East Point.

BACKGROUND

East Point Reserve has 200 hectares of public open space that offers a range of cultural, historical, educational, passive and active recreational opportunities. The reserve is accessible to the public (pedestrian only) 24 hours, 7 days a week and has a variety of shared paths, footpaths and walking trails that provide access to areas within the reserve. Vehicular access is restricted just beyond the Pee Wees Restaurant location between the hours of 11pm and 5am by way of a large security gate across the road.

Pedestrian access to throughout the reserve is not restricted and this has enabled some cases of antisocial behaviour to occur.

In October 2017, there was an attack on two horses agisted at Fannie Bay Equestrian Club, which resulted in one of the horses being euthanized. In addition, 22 agile wallaby deaths have been reported since September 2017, with 12 of the wallaby deaths caused by vehicles, of which eight were considered to be deliberate acts where vehicles have illegally accessed restricted areas.

A report was presented through the City Operations Committee in February 2018 that considered potential security options. As a result of this report, at the 2nd Ordinary Council meeting, held on Tuesday 27 February 2018 Council resolved as follows:

Security Upgrades To East Point

Common No. 3665059

- A. THAT Report Number 17CO0043 NK:jw entitled Security Upgrades to East Point, be received and noted.
- B. THAT Council endorse increased security patrols, as per Option 3, outlined in Report Number 17CO0043 NK:jw entitled Security Upgrades to East Point.

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 SUBJECT: LIGHTING AND CCTV FOR SECURITY IMPROVEMENT AT EAST POINT

- C. THAT should further investigation of Option 1 and 2, as outlined in Report Number 17CO0043 NK:jw entitled Security Upgrades to East Point, occur that a further report be prepared for Councils consideration by May 2018.

This report presents information following the increased security patrols, and investigates the potential security upgrades to East Point to mitigate the risk of anti-social behaviour in the area, particularly to protect the wildlife and animals within East Point Reserve.

DISCUSSION

Vehicle Access Restrictions

Public vehicle access within East Point Reserve is restricted to Alec Fong Lim Drive through a variety of means including recycled bollards, kerbing, fences and gates, and natural features such as existing trees and large rocks.

Public vehicles are restricted from entering the reserve past the large security gate (point identified in the map below) between the hours of 11pm and 5am.

Security Patrols

Council has contracted security services attending East Point Reserve to undertake the following patrols and services. Prior to February 2018, patrols occurred at 6pm, 10:30pm, 2:30am and 5am.

Additionally, City of Darwin Rangers have an active presence in the area, undertaking approximately one morning and one afternoon patrol each day, Monday to Friday.

Following Council's decision, an additional night-time security patrol commenced from 7 March 2018, with details of activity reported through the security company.

The reports provided the following insights after hours;

- Often (every 1-3 days), people were seen in the reserve, mainly sitting at tables or exercising, with those found sitting around asked to leave, cars often seen in car parks with no people visible
- Occasional (every 4-7 days), people seen in locked area, dingoes seen
- Once only (in 3 months), people drinking, hooning/loitering in main car park, hooning beyond gates (moved on when saw security).

The reports indicate that over the 3 month period, that there was no behaviour viewed that required police intervention or that was of concern to wildlife.

Therefore, it is recommended that the increased security patrols are continued and reports monitored for any potential trends of concerning behaviour.

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SUBJECT: LIGHTING AND CCTV FOR SECURITY IMPROVEMENT AT EAST POINT

CCTV and Lighting Upgrade Options

There are a number of options available to Council for CCTV and lighting. It is recommended that these are considered in conjunction with the security patrol outcomes.

Lighting Upgrade

The existing lighting consists of 110 post top urban luminaires with High Pressure Sodium (HPS) technology.

The current lighting levels at East Point don't meet compliance with current Australian Standard AS1158. Therefore a replacement of lighting to LED and further upgrades would provide improved visibility and greater sense of security across currently lit areas.

A lighting upgrade to East Point would include:

- A. Replacement of existing luminaires with new LEDs.
- B. Installation of about 50 new public lights along Alec Fong Lim Drive beyond Dudley Point.

The capital expenses associated with the design, supply and installation for the options above cost \$80,000 and \$400,000 respectively.

At this stage it is recommended that the replacement occurs through the LED replacement program, and that further upgrades can be considered in future reviews.

IP CCTVs

IP CCTV is an Internet Protocol (IP) surveillance camera which can send and receive data via internet connection, using an internal mobile sim card. IP CCTV is an alternative to fixed CCTV cameras (as outlined in the next section), where the system has localized video storage at each camera rather than sending the data back to a central point. Each CCTV will be installed on poles equipped with solar lighting and movement sensors. In the event of an event (after hours) a signal including an image will be sent to a mobile phone or email to inform security patrols who can then attend.

The cameras can be powered by battery or small solar panels and as the system doesn't require data/fibre optic cables, it could be deployed quickly across East Point.

The capital cost associated with the supply and installation of each camera installation is estimated at \$150,000, to cover 5 main access points at the reserve.

It is recommended, that if Council were to consider installation of CCTV cameras, that an IP CCTV camera is installed as a trial at the Security Gate location.

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Fixed CCTVs

As presented in the report to Council in April, there are no fixed or temporary security cameras operated by the City of Darwin within the reserve. Three “hot spot” locations, requiring 16 fixed cameras, were identified as potential sites for CCTV, covering Dudley Point, the gun turret area, the Lake Alexander carpark and the foreshore area toilet block and carpark.

There are service constraints which would need to be addressed with a significant cost associated with expansion of existing electricity and fibre optic network. Additional lighting and other measures, such as vegetation removal will be required to gain the resolution and sight lines necessary for camera vision.

The estimated capital cost associated with the supply and installation of the fixed cameras;

- Dudley point - \$250,000
- Gun turret area - \$100,000
- Lake Alexander carpark - \$250,000
- Foreshore toilet block and carpark - \$200,000

Due to the other options available with IP CCTV and the recommended lighting and security patrols, these are not considered suitable.

Summary

To improve security at East Point Reserve, it is recommended that the following occurs;

- Existing public lights are replaced with new LED luminaires to increase visibility and hazard detection, while also reducing energy and maintenance cost. This will cost \$80,000 and would be completed through Council’s public lighting replacement program.
- Continue additional security patrols and review data provided

Additional security improvements through CCTV and additional lighting are not recommended at this time, and should be considered following a review of the above activities. If required, the next security improvement recommended would be the installation of one IP CCTV camera at the security gate. From this, further CCTV, either IP or fixed, could be considered, along with lighting upgrades.

CONSULTATION PROCESS

In preparing this report, the following City of Darwin officers were consulted:

- Street and Public Lighting Coordinator

In preparing this report, the following External Parties were consulted:

- Schneider Electric

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 SUBJECT: LIGHTING AND CCTV FOR SECURITY IMPROVEMENT AT EAST POINT

POLICY IMPLICATIONS

If infrastructure improvements are undertaken within East Point Reserve, it is recommended that consultation is undertaken at the level of inform in accordance with City of Darwin Policy No. 025 – Community Engagement Policy.

BUDGET AND RESOURCE IMPLICATIONS

Capital costs have been outlined within this report. Lighting replacement can occur through Council's existing replacement program. There are no capital funds available for CCTV cameras.

The increased security patrols are funded within existing programs.

The costs associated with ongoing monitoring and maintenance of CCTV cameras have not been assessed and would be additional to the supply and installation estimation provided. Unmonitored CCTV is a lesser cost option to Council that may provide a visual deterrent and possible image capture.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The Information Act governs public privacy in regards to CCTV.

City of Darwin is covered by the Privacy Act, and therefore the handling of any personal information it collects through the use of surveillance devices, including CCTV, will need to comply with the Australian Privacy Principles.

Generally, any organisation that uses CCTV will need to notify persons accessing an area before they are recorded that the image may be recorded by CCTV. A business also has obligations to ensure any personal information it records is kept secure and is destroyed or de-identified when it is no longer required.

ENVIRONMENTAL IMPLICATIONS

The management measures proposed to increase security would likely have positive impact on the natural environment at East Point.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

Ron Quinn
MANAGER INFRASTRUCTURE
MAINTENANCE

NADINE NILON
ACTING GENERAL MANAGER
CITY OPERATIONS

For enquiries, please contact Nadine Nilon on 8930 0581 or email:
 N.Nilon@darwin.nt.gov.au.

OPEN SECTION

OPERATIONS06/8

City Operations Committee Meeting – Wednesday, 20 June 2018

9.2 OFFICERS REPORTS (RECEIVE & NOTE)



ENCL: CITY OPERATIONS COMMITTEE/OPEN
YES

AGENDA ITEM: 9.2.1

WASTE MANAGEMENT STRATEGY UPDATE

REPORT No.: 18CO0028 NT:dr **COMMON No.:** 3360944

DATE: 20/06/2018

Presenter: Waste Management Coordinator, Nick Teoh

Approved: Acting General Manager City Operations, Nadine Nilon

PURPOSE

The purpose of this report is to provide Council with an update on the current development status of Waste Management Strategy for the City of Darwin.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

3 Environmentally Sustainable City of Darwin

Outcome

3.1 Council's carbon footprint reduced

Key Strategies

3.1.3 Reduce Council's waste production

KEY ISSUES

- A significant amount of modelling and development work has been completed on the Waste Management Strategy (the Strategy).
- The outcome of the Strategy work will be two documents:
 - City of Darwin Waste Management Policy,
 - City of Darwin Waste Management Strategy and Implementation Plan.
- A Council Workshop was held on 9 April 2018 to update Council on the status and progress on the Strategy and to determine the next steps in its development.
- The key next step is to consult with the community on the Strategy development to understand community views and build a consensus on Darwin's future waste management direction.
- A discussion paper is under development to release to the community as part of the consultation process.
- Community consultation is currently scheduled over six weeks commencing in August 2018.

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REPORT NUMBER: 18CO0028 NT:dr
SUBJECT: WASTE MANAGEMENT STRATEGY UPDATE

RECOMMENDATIONS

THAT it be a recommendation to Council:

THAT Report Number 18CO0028 NT:dr entitled Waste Management Strategy Update, be received and noted.

BACKGROUND

A Waste Management Strategy (the Strategy) is being developed for City of Darwin to establish waste diversion objectives and outcomes for Council to implement across the Darwin Region. The Strategy will consider strategies for waste management, and include an implementation plan for achieving the desired outcomes. The Strategy will provide clear direction and policy advice regarding bringing the community along the waste management journey, and through time gaining their active involvement in waste management and resource efficiency.

The Waste Management Strategy will also be updated through this process.

A significant amount of work has been completed in the development of the Waste Management Strategy to date. This has included modelling for potential diversion targets, identification of waste management focus areas, and proposed initiatives for implementation.

A Council Workshop was held on 9 April 2018 to update Council on the status of the Waste Management Strategy work, including consideration of diversion targets, and consultation processes in order to finalise the Waste Management Strategy and Policy.

DISCUSSION

Strategy

A Waste Management Strategy has been prepared in draft with a number of scenarios for waste diversion through a number of potential activities. However, in developing the Strategy, and through discussion at Council workshops, it has been considered that it is not preferred that Council would 'adopt' a target for diversion and what the resulting activities would be. Instead, it is preferred that the community is engaged in the process to determine its appetite for change including consideration of potential cost impacts and diversion outcomes.

As such, as Discussion Paper is being developed that will provide the necessary information for the community and stakeholders to consider and provide comment and input into potential options, before the Strategy is developed in its final form. The discussion paper will provide information on the current status of waste management in Darwin and then offer a range of options that could be considered in meeting future needs, including the economic impacts of each initiative. In releasing a discussion paper, as opposed to a draft Strategy, the community will have more input into the development of the final document.

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 SUBJECT: WASTE MANAGEMENT STRATEGY UPDATE

Policy

The Waste Management Policy (the Policy) has been updated in conjunction with the work on the Strategy. A draft of the Policy has been included in **Attachment A**. Following the outcome of the consultation regarding the Strategy, the Policy will be finalised for adoption by Council. The existing operational information (i.e. number of bins per unit complex) within Council's current Waste Management Policy will be provided as attachments and in guidelines as relevant.

Community Consultation

True North Strategic Communication has been engaged to undertake community consultation, including the preparation of the consultation strategy. Key objectives of the consultation will include:

- Educate people on Council's waste management services, policy and strategic direction.
- Engage with people and test assumptions, recommendations and explore potential appetite for change.
- Listen, learn and gain local insights and ideas on alternative approaches.
- Build consensus and community buy-in on Darwin's future waste management direction.

The following mechanisms will be used in the consultation:

- Online survey.
- One-on-one meetings with stakeholders such as environmental interest groups, TOPROC Councils, and local residents.
- Interactive information displays held in a variety of locations across the City of Darwin.

A number of online interactive displays available on *Engage Darwin* will also be utilised.

The consultation will be carried out over a six-week period after the July school holidays, commencing 30 July and finishing on the 7 September. The consultation report will be provided to City of Darwin by the 21 September 2018.

CONSULTATION PROCESS

In preparing this report, the following Internal Parties were consulted:

- Manager Engagement and Participation

In preparing this report, the following External Parties were consulted:

- True North Strategic Communication
- Golder Associates

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SUBJECT: WASTE MANAGEMENT STRATEGY UPDATE

POLICY IMPLICATIONS

The outcome of this Strategy work will be two documents:

- City of Darwin Waste Management Policy,
- City of Darwin Waste Management Strategy and Implementation Plan.

The Waste Management Policy will replace the existing Council Policy, which is currently due for review.

BUDGET AND RESOURCE IMPLICATIONS

The cost of developing a Waste Management Strategy, including consultation, is in the order of \$100,000 (excl GST) and is funded within existing budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The development of the Strategy will identify any risks or legislative requirements and these would be presented as necessary as the Strategy is developed.

ENVIRONMENTAL IMPLICATIONS

A Waste Management Strategy allows Council to target and plan how to meet targets for waste minimisation and diversion of waste from landfill. Improved recycling, waste diversion and reduced landfill are all benefits to the environment.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

NICK TEOH
WASTE MANAGEMENT
COORDINATOR

NADINE NILON
ACTING GENERAL MANAGER
CITY OPERATIONS

For enquiries, please contact Nick Teoh on 89300529 or email:
n.teoh@darwin.nt.gov.au.

Attachments:

Attachment A: Draft Waste Management Policy

WASTE MANAGEMENT POLICY

Policy No. 054

1 Purpose

The City of Darwin has developed the City of Darwin Waste Management Policy to support the advance of resource efficiency and sound waste management practices for wastes generated within the City of Darwin municipality. Key to the success of the Policy is establishing an holistic waste management strategy for the Municipality, which addresses Council's waste management services and the broader waste management infrastructure needed to meet the current and future needs of a growing city in the tropics.

The Policy establishes Council's four-year waste management direction, and informs the provision of its waste services, infrastructure and management required to meet the needs of the community; protect the environment; and, ensure the financial sustainability of the Municipality. It is intended to provide the private sector, which supports Council in delivering waste services, with the confidence to invest in innovative and resource efficiency-focused infrastructure and services in the Municipality.

Supporting the Waste Policy is the City of Darwin Waste Management Strategy and Implementation Plan. The Waste Management Strategy and Implementation Plan provides the community with Council's roadmap to achieving the policy objectives, and will seek to align waste management services in the Municipality with that across the Northern Territory, and in other Australian capitals and regional centres.

2 Scope

Council has a vision to manage the Municipality's waste in a way that is suited to the specific needs of a growing urban population in the tropics. In managing our waste we will recognise opportunities, as well as respond to the challenges presented by our environment and our isolation from other Australian regional centres in a way that is good for the community, good for business and ultimately protects our valued local environment.

Council's objective is to provide safe and effective waste management infrastructure and services to the general public and residential ratepayers within the Municipality, which is focused on resource efficiency and the equitable application of the waste management hierarchy.

In meeting its objective, Council will apply the following social, environmental, economic and technical guiding principles to its decision making:

Social

- Maintenance of public amenity to ensure a healthy and safe environment.
- Ensure the community retains ease of access to waste management services.
- Ensure minimal cost to the provision of waste services in order to encourage better waste management practices.

Environmental

- Support the application of innovative technologies and management approaches to find new ways of enhancing resource efficiency and resource recovery.
- Consider the potential for adverse impacts to groundwater resources.
- Consider the potential for adverse emissions to the air environment.

Economic

Council/Administrative Policy No. 000 - POLICY NAME				
Version	Decision Number	Adoption Date	Responsible Officer:	Next Review Date



WASTE MANAGEMENT POLICY

Policy No. 054

- Being mindful of the capital costs and potential return on investment associated with waste management infrastructure and services.
- Being mindful of the future operating and maintenance costs associated with waste management infrastructure and services.
- The application of appropriate price signals to influence positive waste management practices.

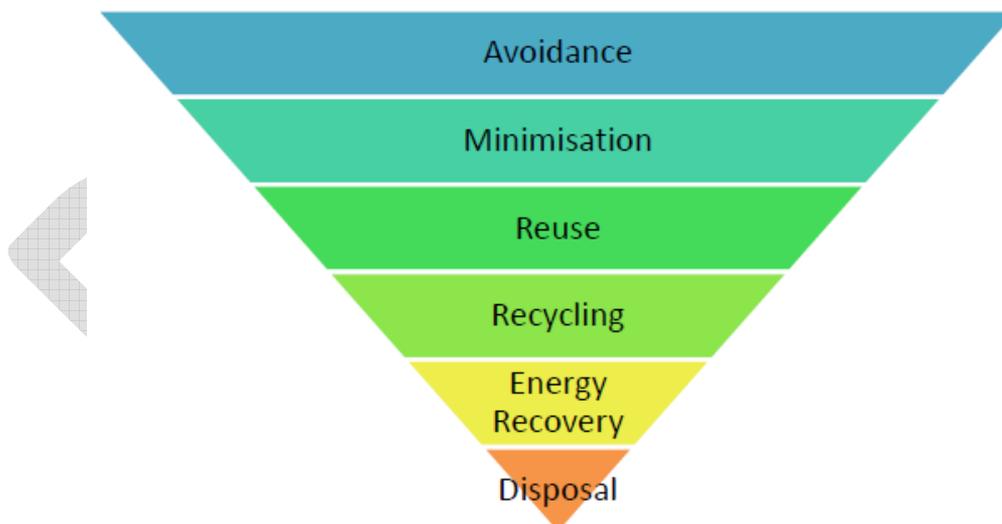
Technical

- Application of evidence-based best practice in the provision of waste management infrastructure and services.
- Being mindful of the suitability of waste management infrastructure and services to its application in the tropics.
- Proof of performance to inform waste management infrastructure and services.

These decision making principles will guide the assessment of potential waste management options to be applied by the Municipality in the implementation of the Waste Policy, which will be outlined in Council's supporting Waste Management Strategy and Implementation Plan.

3 Policy Statement

In meeting its objective, Council will seek to apply the waste management hierarchy, taking into account the social, environmental, economic and technical guiding principles, as a central platform for incorporating resource efficiency in its waste management planning and decision making:



In this regard the following policy intents will be applied in the provision of waste management infrastructure and services.

3.1 Avoidance and Minimisation

Council will focus on enhancing waste avoidance and landfill diversion through embedding the waste management hierarchy in Council and the community's waste management decision making.

In delivering this Council will give consideration to:

Council/Administrative Policy No. 000 - POLICY NAME				
Version	Decision Number	Adoption Date	Responsible Officer:	Next Review Date



WASTE MANAGEMENT POLICY

Policy No. 054

- Establishing a landfill diversion target for the Municipality that is commensurate to the desires and capacity of the community and local economy.
- Maintaining community waste education programs.
- Maintaining community amenity.

3.2 Waste Collection Programs

Waste collection programs are central to the provision of safe and effective waste management services, and in this regard Council is committed to:

- Maintaining kerb-side waste collection services.
- Maintaining cost-effective self-haul disposal routes.
- Providing collection services for emergency waste management and associated preparation activities.

3.3 Reuse, Recycling and Energy Recovery

Council recognises that access to viable reuse and waste recycling infrastructure and services is central to the application of the waste management hierarchy. In this regard, Council will allocate sufficient resources to support:

- Providing household recycling services.
- Maintaining, and where necessary supporting the establishment of suitable recycling and resource recovery infrastructure.
- Investigating alternative management options for organic wastes.
- Providing incentives to the commercial and industrial, and construction and demolition sectors to support source-separation and aid recycling and resource recovery.

3.4 Disposal

Access to a safe and effective disposal route for residual wastes generated in the Municipality is an important part of Council's municipal planning. While reliance on landfill disposal is expected to reduce in the future, Council remains committed to maintaining access to landfill disposal as part of the Municipality's waste management infrastructure. In maintaining this infrastructure Council is committed to:

- Ensure the community retains access to landfill disposal within the municipality.
- Review and assess the opportunity to viably manage wastes through trans-boundary partnerships.

4 Definitions

5 Legislative References

The Waste Policy has been developed and will be implemented in a way that is consistent with the overarching hierarchy of waste management related legislation and policy in the Northern Territory, namely:

- Waste Management and Pollution Control Act 1998
- Waste Management and Pollution Control (Administration) Regulations 2014
- Draft Waste Management Strategy for the Northern Territory 2014.

Council/Administrative Policy No. 000 - POLICY NAME				
Version	Decision Number	Adoption Date	Responsible Officer:	Next Review Date



WASTE MANAGEMENT POLICY

Policy No. 054

The broad intent of these pieces of legislation and policy is the protection of human health and the environment, while also achieving advances in resource efficiency in the Northern Territory; goals that Council also shares.

6 Procedures / Related Documents

Waste Management Strategy and Implementation Plan

7 Responsibility / Application

Council will lead the implementation of the Waste Management Policy with the support of the community and industry. Guiding implementation of the Waste Management Policy will be the associated City of Darwin Waste Management Strategy and Implementation Plan, which will detail Council's actions in achieving the objective of the Waste Management Policy.

Council will have a central role in the provision of waste management infrastructure and associated services, but will, where necessary and most efficient and effective, delegate the provision of these to the private sector through industry partnerships.

Council is committed to engage with the community, and interested stakeholders, regarding decisions of significance to the City that relate to the implementation of the Waste Management Policy.

8 Evaluation and Review

Through the life of the Waste Management Policy, Council is committed to periodic reviews of it's:

- Ability to align with community expectations;
- Capacity to be effectively implemented in the context of the local economy; and,
- Alignment with waste management policy and regulation at a territory, national and international level.

Reviews will guide Council's implementation of the Waste Management Policy and inform its development of future policies.

9 Document Control

Council/Administrative Policy			Responsible Officer:	
Version	Decision Number	Adoption Date	History	Next Review Date
1				
2				
3				

Council/Administrative Policy No. 000 - POLICY NAME				
Version	Decision Number	Adoption Date	Responsible Officer:	Next Review Date



ENCL: CITY OPERATIONS COMMITTEE/OPEN
YES

AGENDA ITEM: 9.2.2

TYRE MANAGEMENT FEASIBILITY STUDY

REPORT No.: 18CO0029 NT:dr **COMMON No.:** 3344411

DATE: 20/05/2018

Presenter: Waste Management Coordinator, Nick Teoh

Approved: Acting General Manager City Operations, Nadine Nilon

PURPOSE

The purpose of this report is to present Council with the findings of a tyre recycling prefeasibility study that was undertaken.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

3 Environmentally Sustainable City of Darwin

Outcome

3.1 Council's carbon footprint reduced

Key Strategies

3.1.3 Reduce Council's waste production

KEY ISSUES

- Waste tyres are an accepted listed waste at the Shoal Bay Waste Management Facility with historically an average of 1100 tonnes disposed of annually.
- Council substantially increased the tyre disposal fees in 2017/2018 to discourage disposal of tyres to landfill.
- Since the fee increase, tyre disposal volume is predicted to decrease by 30% this year.
- Council requested a tyre recycling feasibility be undertaken to determine the viability of a Council managed tyre recycling facility.
- The outcomes of the study indicate that a Council managed facility is not economically viable at this time and there are a number of other market concerns and risks that would also impact the process.
- There are a number of alternative initiatives Council can consider to increase markets and further encourage tyre recycling.

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 REPORT NUMBER: 18CO0029 NT:dr
 SUBJECT: TYRE MANAGEMENT FEASIBILITY STUDY

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 18CO0029 NT:dr entitled Tyre Management Feasibility Study, be received and noted.

BACKGROUND

As part of the 2017/2018 budget review, Council officers reviewed the current disposal fees for tyres (shredded and whole). As a result, increased fees for tyre disposal at SBWMF were adopted to encourage recycling and provide improved market pricing for alternatives to be explored further. Increases to tyre disposal fees were as follows:

- from \$268 to \$500 per tonne for whole tyres
- from \$72 to \$250 per tonne for shredded tyres*

*Note: shredded in the Darwin market is currently a partially shredded product, where the tyres are cut into quarters, which is preferred to whole tyres as they consume less airspace.

The rate for whole tyres is equivalent to approximately \$4 per tyre for passenger tyres and \$8 per tyre for light truck tyres.

The tyre disposal fees have been increased again with the 2018/2019 financial year waste fees and charges, with whole tyres at \$525 and shredded tyres at \$263 per tonne.

At the City Operations Committee meeting held on 18 April 2018, the Committee resolved as follows:

9.1.2 Opportunities for Diversion of Tyres from Landfill – April 2018 Update *Report No. 18CO0017 EL:jg (18/04/18) Common No. 3344411*

THAT the Committee resolve under delegated authority-

- A. THAT Report Number 18CO0017 EL:jg entitled Opportunities For Diversion Of Tyres From Landfill – April 2018 Update, be received and noted.*
- B. THAT Council undertake a Tyre Management Feasibility Study following the release of relevant industry reports and that the findings of the study be presented to Council.*

DECISION NO. 22/0645

Carried

This report outlines the findings from a tyre recycling prefeasibility study that was undertaken following the Council decision.

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 REPORT NUMBER: 18CO0029 NT:dr
 SUBJECT: TYRE MANAGEMENT FEASIBILITY STUDY

DISCUSSION

Current disposal rates

The disposal of tyres to SBWMF since the introduction of the increased fees has been reviewed. The table below compares the actual amount of passenger and light truck tyres disposed of since the increase in fees in comparison to last year and the forecast figure for this year. The data indicates an almost 30% reduction in overall tyre disposal rates of passenger and light truck tyres when compared to last financial year.

	16/17FY	17/18 FY Actual to date	17/18 FY Forecast	% Reduction
Unshredded Tyres	458	308	336	27%
Shredded Tyres	740	470	513	31%
TOTAL	1198	778	849	29%

Prefeasibility Study

It was intended, that in writing this report, that two industry reports would be available to enable a complete review of options. However, the reports are yet to be published at the time of writing this report. The reports are;

- National Market Strategy for End of Life (EoL) Tyres by Tyre Stewardship Australia, in conjunction with the Victorian Government, was due to be released in April 2018.
- Study into the management of waste tyres in the NT by Motor Trades Association NT and Reincarnate Consulting, which is waiting for release by the Northern Territory Environmental Protection Authority (NT EPA).

As these reports have not been released, and rather than wait further for them to be, Council staff engaged Reincarnate to undertake a prefeasibility study into tyre recycling options for the City of Darwin, the executive summary of this study document is included as **Attachment A**.

The prefeasibility study was preferred in order to review potential options prior to proceeding with a more expensive and targeted feasibility study.

Based on existing Council data and wider Northern Territory trends, Reincarnate investigated four potential options for a Council managed tyre recycling facilities as follows:

Option 1 – Shredding of tyres using a high-capacity industrial shredder down to a tyre chip which can be exported as a tyre-derived fuel (TDF).

Option 2 – Shredding and crumbing of tyres using a fully integrated “crumbing plant” to create high-value offtake products such as crumb rubber and rubber granulate. These products can be used in roads, adhesives and explosives.

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 SUBJECT: TYRE MANAGEMENT FEASIBILITY STUDY

Option 3 – Processing of tyres through a bespoke thermal facility, likely using pyrolysis (i.e. biochar). This process creates a fuel product, a carbon product and a clean radial steel.

Option 4 – Baling of tyres in a high-capacity baler for bulk transporting, most likely to Adelaide for further processing or export.

The four options identified were compared through a cost-benefit analysis over a likely 20 year project life and the outcomes are summarised in the table below:

	Option			
	1	2	3	4
Total capex (\$)	\$2,033,300	\$3,949,300	\$5,597,430	\$1,072,373
Net Present Value (\$)	\$811,250	\$3,830,590	-\$1,637,853	\$560,445
Projected payback period (years)	8	7	17	5
Internal rate of return (%)	11%	17%	2%	15%

The cost benefit analysis suggests that a Council led investment in tyre recycling infrastructure at SBWMF would not be economically viable and would carry a high level of risk relative to the potential returns (which would be negligible at best). The options with lower payback periods are based on assumptions such as low labour costs, and having markets for resale.

Another concern and risk highlighted with a Council managed facility is that some of the technology identified is unproven and untested at a commercial scale. There are also limited existing markets for output products, particularly locally in Darwin and the NT.

If one of these options were to be considered by Council, there would be an impact on the fees and charges to enable it to be funded. There are no available funds for an investment of this type within current or future budgets. Existing high cost projects such as the leachate treatment system, next cell (required in 2020), and capping of existing cells require a combination of internal and future external loans, which would have to be considered as part of any other future capital spend on the site.

Other Options

Whilst investing in a Council managed tyre recycling facility is not considered viable at this time, there are areas where Council can assist in encouraging more recycling markets and subsequent private industry investment.

These include:

- Council offering suitable land within SBWMF for waste disposal alternatives, such as tyre recycling, at low or no cost (if approved under the current lease agreement);
- Aggregating supply of tyres and offering the material to the commercial market, however there are many environmental risks associated with stockpiling tyres;

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 SUBJECT: TYRE MANAGEMENT FEASIBILITY STUDY

- Help develop markets for local tyre-derived (and other) products by means such as;
 - Inclusion of a minimum % recycled product in Council specifications for infrastructure such as roads, footpaths and driveways;
 - Inclusion of recycled tyre products such as rubber matting in tender documentation for playgrounds
- Lobbying the Northern Territory Government and Northern Territory Environment Protection Authority for improved regulatory settings to discourage the landfilling of tyres and consideration towards a levy-benefit scheme that would encourage recycling through a point of sale generated rebate.

Summary

Council is currently updating its Waste Management Policy and developing its Waste Management Strategy which will include an implementation plan over the next 10 years. The initiatives outlined above will be factored into this developing strategy and implementation plan, not just for tyres but all recyclable aggregates. The developing strategy is to be presented to the community for extensive consultation in August 2018 and depending on the response received, will determine the diversion levels adopted in the strategy.

CONSULTATION PROCESS

In preparing this report, the following City of Darwin officers were consulted:

- Acting Manager Technical Services

In preparing this report, the following External Parties were consulted:

- Reincarnate, Strategic Environmental Consultants

POLICY IMPLICATIONS

All activities will be undertaken in accordance with Council policies.

The diversion of waste from landfill is consistent with the provisions of *City of Darwin Policy No. 054 - Waste Management* and is a focus of the new Waste Management Strategy currently under development.

BUDGET AND RESOURCE IMPLICATIONS

As discussed in the body of this report, a Council managed tyre recycling facility is not deemed economically viable. Consideration would need to be given to the budget should any new initiatives be implemented. Such initiatives could be worked into the developing Waste Management Strategy to encourage increased waste diversion from landfill.

The prefeasibility study cost \$10,000 and was funded within existing budgets.

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RISK/LEGAL/LEGISLATIVE IMPLICATIONS

A Council managed tyre recycling facility is deemed to be high risk due to the financial implications, use on potentially unproven or untested technology and the limited markets for output products.

ENVIRONMENTAL IMPLICATIONS

The diversion of waste tyres from landfill does not only allow for better landfill management but also has positive environmental outcomes as the recycled waste material can be recycled into new products.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

NICK TEOH
WASTE MANAGEMENT
COORDINATOR

NADINE NILON
ACTING GENERAL MANAGER
CITY OPERATIONS

For enquiries, please contact Nick Teoh on 89300529 or email:
n.teoh@darwin.nt.gov.au.

Attachments:

Attachment A: Tyre Recycling Prefeasibility Study – Executive Summary

EXECUTIVE SUMMARY

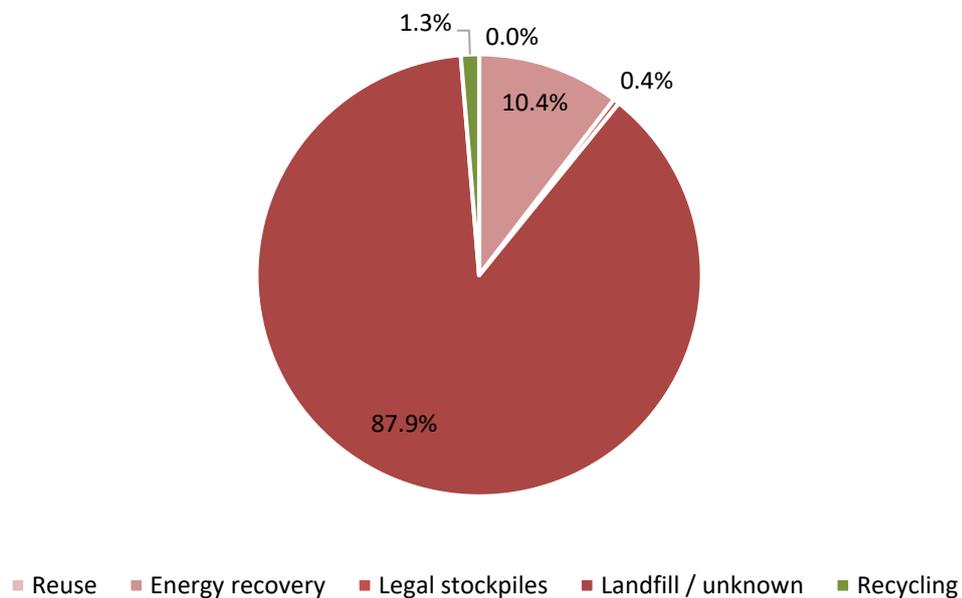
Current industry data, presented in Table 1, suggests that the Northern Territory (NT) generated around 5,000 tonnes or around 630,000 EPU (equivalent passenger units) of end-of-life tyres (EOLTs) in 2015-16¹. Around 45% of those were truck tyres, with large off-the-road (OTR) tyres and passenger tyres making up 35% and 20% respectively.

Table 1 EOLT generation in the Northern Territory²

Tyre type	Tonnes	EPU
Passenger	1,236	154,500
Truck	2,138	267,250
OTR	1,665	208,125
TOTAL	5,039	629,875

The majority of these tyres are not recycled, instead they are being sent directly to landfill or going to “unknown” fates, which include burning, illegal dumping and unreported exports. As can be seen in Figure 1, just 1.3% of EOLTs are recycled locally in the NT, with a further 10.4% being exported for energy recovery as part of national tyre collection contracts for large retail chains.

Figure 1 Breakdown of EOLT fates in NT



¹ REC 2017. *National Market Development Strategy for Used Tyres*. Randell Environmental Consulting, Reincarnate Pty Ltd and EnvisageWorks

² IBID

City of Darwin (referred to as CoD or “Council”) receives significant volumes of EOLTs at its Shoal Bay Waste Management Facility (SBWMF). Historically, the facility has received around 1,200 tonnes of EOLTs per annum, which equates to around 137,500 EPU (equivalent passenger units), all of which are disposed to landfill.

However, as part of its new waste strategy, Council seeks to investigate potential options for investment in tyre recycling infrastructure in the absence of an existing private sector market for tyre recycling in the NT. Reincarnate has been engaged to undertake a high-level prefeasibility analysis of potential recycling options, which are as follows:

Option 1 – Shredding of EOLTs using a high-capacity industrial shredder down to a standard 50mm chip which can be commoditised and exported as a tyre-derived fuel (TDF).

Option 2 – Shredding and crumbing of EOLTs using a fully integrated “crumbing plant” to create high-value offtake products such as crumb rubber and rubber granulate. These products can be used in road making, adhesives and explosives.

Option 3 – Processing of EOLTs through a bespoke thermal facility, likely using pyrolysis technology. This technology aims to use high temperature – low oxygen environments to take EOLTs back to their constituent inputs, creating a fuel product, a carbon product and clean radial steel.

Option 4 – Baling of EOLTs in a high capacity baler for bulk transporting, most likely to Adelaide for further processing or export.

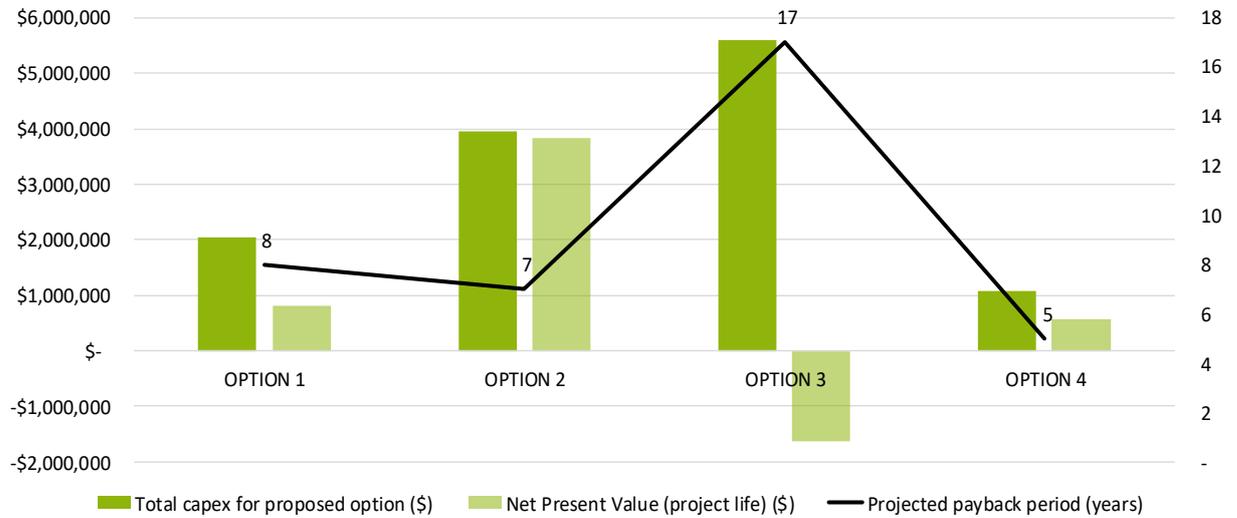
COST-BENEFIT ANALYSIS

Reincarnate has modelled the 4 options for costs and benefits over a likely 20-year project lifetime, the results of which are presented in and benefits presented in Table 2 and Figure 2, and demonstrate that none of the options modelled are particularly attractive from Council’s perspective.

Table 2 Analysis of costs and benefits of tyre recycling options

	OPTION 1	OPTION 2	OPTION 3	OPTION 4
Total capex for proposed option (\$)	\$2,033,300	\$3,949,300	\$5,597,430	\$1,072,373
Net Present Value (project life) (\$)	\$811,250	\$3,830,590	-\$1,637,853	\$560,445
Projected payback period (years)	8	7	17	5
Internal rate of return (project life) (%)	11%	17%	2%	15%
Average project value (per tonne)	\$32.43	\$153.15	-\$65.48	\$22.41

Figure 2 Overview of financial analysis of tyre recycling options



The analysis of costs and benefits suggests that a Council led investment in tyre recycling infrastructure at SBWMF would not be economically attractive for CoD and would carry a high level of risk relative to the potential returns (which would be negligible at best). The analysis suggests that:

- Payback periods for the options presented are 7 years or longer
- Financial and non-financial risks would likely exceed Council’s appetite
- Some of the technology is unproven and untested at commercial scale
- There are limited existing markets for output products, particularly locally in Darwin and the NT
- Council would need to become an active participant in a highly competitive open market

Rather than investing in tyre recycling infrastructure, which should ideally be left to the private sector, CoD should focus on ensuring that regulatory and non-regulatory settings are working to encourage and enable private sector investment. This could include:

- Improved regulatory settings to discourage the landfilling of EOLTs
- Long-term consideration for a levy-benefit scheme that would encourage recycling through a point of sale generated rebate
- CoD offering suitably zoned land within the SBWMF for tyre recycling at low or no fee
- Aggregating supply of EOLTs and offering the material to the market with a minimum level of guaranteed supply
- Using local buying power to develop local markets for tyre-derived products.

OPEN SECTION

OPERATIONS06/9

City Operations Committee Meeting – Wednesday, 20 June 2018

10. **INFORMATION ITEMS**

 11. **QUESTIONS BY MEMBERS**

 12. **GENERAL BUSINESS**

 13. **CLOSURE OF MEETING**
Common No. 2695131
-



PREVIOUS MINUTES

OPEN

City Operations Committee Meeting

DATE: 23 May 2018

OPEN SECTION

OPERATIONS 5/1

MINUTES OF THE CITY OPERATIONS COMMITTEE MEETING OF THE TWENTY-SECOND COUNCIL HELD IN MEETING ROOM 1, CIVIC CENTRE, HARRY CHAN AVENUE ON WEDNESDAY, 23 MAY 2018 COMMENCING AT 5.30PM.

MEMBERS: Member R Want de Rowe (Chair); Member R M Knox; Member E L Young.

OFFICERS: Chief Executive Officer, Dr D Leeder; Acting General Manager City Operations, Mrs N Nilon; Manager Design, Development & Projects, Mr D Lelekis; Manager Infrastructure Maintenance, Mr R Quinn; Manager Capital W Works, Mr N Kleine; Executive Assistant, Ms J Wylie.

APOLOGY: The Right Worshipful, The Lord Mayor, K Vatskalis

GUESTS: Nil.

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Wednesday, 23 May 2018

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OPEN SECTION

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Wednesday, 23 May 2018

OPERATIONS5/2

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS5/3

1. MEETING DECLARED OPEN

The Chair declared the meeting open at 5.30pm.

2. APOLOGIES AND LEAVE OF ABSENCE

Common No. 2695036

2.1 Apologies

Nil.

2.2 Leave of Absence Granted

(Knox/Young)

THAT it be noted Member K Vatskalis is an apology due to a Leave of Absence previously granted on 17 May 2018 for the period 21 May to 4 June 2018.

DECISION NO.22/0750 (23/05/18)

Carried

3. ELECTRONIC MEETING ATTENDANCE

Common No. 2221528

3.1 Electronic Meeting Attendance Granted

Nil.

4. DECLARATION OF INTEREST OF MEMBERS AND STAFF

Common No. 2752228

4.1 Declaration of Interest by Members

Nil.

4.2 Declaration of Interest by Staff

Nil.

Wednesday, 23 May 2018

OPERATIONS5/3

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS5/4

5. CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

Common No. 1955119

5.1 Confirmation of the Previous City Operations Committee Meeting Minutes

(Young/Knox)

COMMITTEE'S DECISION

THAT the Committee resolve that the minutes of the previous City Operations Committee Meeting held on Wednesday, 18 April 2018, tabled by the Chair, be received and confirmed as a true and correct record of the proceedings of that meeting.

DECISION NO.22/0751 (23/05/18)

Carried

5.2 Business Arising

Nil.

6. DEPUTATIONS AND BRIEFINGS

Nil.

7. CONFIDENTIAL ITEMS

Common No. 1944604

7.1 Closure to the Public for Confidential Items

(Young/Knox)

COMMITTEE'S DECISION

THAT pursuant to Section 65(2) of the Local Government Act and Regulation 8 of the Local Government (Administration) Regulations the meeting be closed to the public to consider the following items:-

Item	Regulation	Reason
------	------------	--------

C17.1.1	8(e)	information provided to the council on condition that it be kept confidential
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DECISION NO.22/0752 (23/05/18)

Carried

Wednesday, 23 May 2018

OPERATIONS5/4

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS5/5

7.2 Moving Open Items Into Confidential

Nil.

7.3 Moving Confidential Items Into Open

Nil.

8. WITHDRAWAL OF ITEMS FOR DISCUSSION

(Knox/Young)

COMMITTEE'S DECISION

THAT the Committee resolve under delegated authority that all Information Items and Officers Reports to the City Operations Committee Meeting held on Wednesday, 23 May 2018 be received and considered individually.

DECISION NO.22/0753 (23/05/18)

Carried

Wednesday, 23 May 2018

OPERATIONS5/5

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS5/6

9.1 OFFICERS REPORTS (ACTION REQUIRED)

9.1.1 Trees in the Darwin Municipality - Update

Report No. 18CO0020 (23/05/18) Common No. 3777063

(Knox/Young)

THAT it be a recommendation to Council:-

A. THAT Report Number 18CO0020 NK:jh entitled Trees In The Darwin Municipality - Update, be received and noted.

B. THAT Council commence the survey of trees located in close proximity to property and power lines.

C. THAT Council refer the amount of \$160,000 for survey of trees located in close proximity to property and power lines to the fourth quarter budget review for the survey of trees that have the potential to impact on private property and or powerlines as identified in Report Number 18CO0020 NK:jh entitled Trees In The Darwin Municipality - Update.

D. THAT Council endorse the establishment of a panel of experts to recommend future tree species (mainly native to top end areas) selection and planting requirements as identified in Report Number 18CO0020 NK:jh entitled Trees In The Darwin Municipality - Update.

E. THAT Council endorse proceeding with Option 2, being that on completion of the clean-up, Council calls for expressions of interest for parties to collect salvaged timber, within specified timeframes and at no cost to Council as outlined in Report Number 18CO0020 NK:jh entitled Trees In The Darwin Municipality – Update.

Carried

Wednesday, 23 May 2018

OPERATIONS5/6

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS57

9.1.2 Request for Purchase of Land – 13 Larrakeyah Terrace, Larrakeyah

Report No. 18CO0014 (23/05/18) Common No. 2853055

(Young/Want de Rowe)

THAT it be a recommendation to Council:-

- A. THAT Report Number 18CO0014 JW/jg entitled Request For Purchase of Land - 13 Larrakeyah Terrace, Larrakeyah, be received and noted.
- B. THAT Council approve in principle the subdivision and consolidation of parts of Lots 5146 and 8107 and the sale of the land subject to compliance with the Local Government Regulations and the satisfactory resolution of all issues associated with that compliance and that the sale be subject to:
 - a. The parts of Lots 5146 and 8107 as depicted in Report Number 18CO0014 JW/jg entitled Request For Purchase of Land - 13 Larrakeyah Terrace.
 - b. The purchase price be set at \$120,000 as per the Independent Valuation obtained by Council.
 - c. The Purchaser preparing and lodging with any relevant Authority all necessary documents which are required to give effect to the Agreement.
 - d. The Purchaser is to identify any Power and Water Corporation and Telstra easements over the land and identify those easements on a Survey Plan to the satisfaction of the Surveyor General. It is the Purchaser's responsibility to provide final Survey Plan for the transfer of land to the satisfaction of the Surveyor General.
 - e. The land being consolidated into the purchaser's Lot after the sale of the land.
 - f. All costs associated with the sale of the land, including but not limited to, advertising, survey plans, Local Government road closure process, legal and other associated fees be borne by the proponent.
- C. THAT Council pursuant to Section 32 (2) of the Local Government Act 2008 (as Amended) hereby delegates to the Chief Executive Officer the power to finalise the terms and conditions of the contract of sale for the portion of land on, Lots 5146 and 8107, Town of Darwin.

- D. THAT pursuant to Section 26(2) Council approve the affixing of the common seal to all associated documentation for the closure and sale of land adjacent to lot 3781(13) Larrakeyah Terrace, Larrakeyah, Town of Darwin and that documentation be attested by the signatures of the Chief Executive Officer and the Lord Mayor.

Carried

Wednesday, 23 May 2018

OPERATIONS57

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS5/8

9.2 OFFICERS REPORTS (RECEIVE & NOTE)

9.2.1 Stormwater Drainage Upgrade Program

Report No.18CO0024 (23/05/18) Common No. 2632033

(Knox/Young)

THAT it be a recommendation to Council:-

THAT Report Number 18CO0024 DL;jw entitled Stormwater Drainage Upgrade Program, be received and noted.

Carried

Wednesday, 23 May 2018

OPERATIONS5/8

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS5/9

10. INFORMATION ITEMS

Nil.

11. QUESTIONS BY MEMBERS

(Young/Knox)

THAT the following Questions by Members be received and noted.

DECISION NO.22/0754 (23/05/18)

Carried

11.1 Bagot Oval Carpark

Common No.

Member RM Knox queried when will plans for Bagot Oval carpark upgrades be finalised and will local residents be consulted for their input?

The General Manager responded and advised that as part of the design process for the Bagot Oval lighting project that elected members will be informed of recommended works and costs for traffic management and car park improvements for Council consideration.

11.2 Uncle Sam's Carpark Egress

Common No.

Member RM Knox queried when will the modifications to the egress to Uncle Sam's carpark in Smith St be installed?

The General Manager responded and advised design has occurred and the works will be undertaken within the next month.

11.3 Turf Club Fence

Common No.

Member RM Knox queried when will the discussions with the Turf Club be completed so that Council can consider planting vegetation to discourage graffiti on the newly painted fence on Dick Ward Drive?

The General Manager responded advised that the Turf Club have been consulted over the past few months regarding the painting of the fence and possibility of mural/artwork. Staff also undertook investigations into vegetation plantings and subsequent maintenance costs, as well as considerations around possible security

Wednesday, 23 May 2018

OPERATIONS5/9

OPEN SECTION

City Operations Committee Meeting – Wednesday, 23 May 2018

OPERATIONS5/10

issues the vegetation could impose on the Turf Club. At this point in time a mural and vegetation is not considered to be feasible to be undertaken by Council.

12. GENERAL BUSINESS

Nil.

13. CLOSURE OF MEETING

Common No. 2695131

(Knox/Young)

THAT pursuant to Section 65 (2) of the Local Government Act and Regulation 8 of the Local Government (Administration) Regulations the meeting be closed to the public to consider the Confidential Items of the Agenda.

DECISION NO.22/0755 (23/05/18)

Carried

The meeting moved to the Confidential Section at 5.57pm.

**MEMBER R WANT DE ROWE
(CHAIR) – CITY OPERATIONS
COMMITTEE MEETING –
WEDNESDAY, 23 MAY 2018**

Confirmed On: Wednesday, 20 June 2018

Chair: _____

Wednesday, 23 May 2018

OPERATIONS5/10