



Business Papers

Environment & Infrastructure Committee Meeting

Tuesday, 19 July 2016
5:00pm



Notice of Meeting

To the Lord Mayor and Aldermen

You are invited to attend an Environment & Infrastructure Committee Meeting to be held in Meeting Room 1, Level 1, Civic Centre, Harry Chan Avenue, Darwin, on Tuesday, 19 July 2016, commencing at 5.00 pm.

B P DOWD
CHIEF EXECUTIVE OFFICER

Office Use Only

Placed on Public Notice Board: _____

Removed from Public Notice Board: _____

OPEN SECTION

E&I07/1

CITY OF DARWIN

ENVIRONMENT & INFRASTRUCTURE COMMITTEE

TUESDAY, 19 JULY 2016

MEMBERS: Member G A Lambert (Chair); The Right Worshipful, The Lord Mayor, Katrina Fong Lim; Member R K Elix; Member R Want de Rowe; Member E L Young.

OFFICERS: Chief Executive Officer, Mr B Dowd; General Manager Infrastructure, Mr L Cercarelli; Executive Manager, Mr M Blackburn; Manager Technical Services, Mrs N Nilon; Manager Design, Planning & Projects, Mr D Lelekis; Manager Infrastructure Maintenance, Mr K Smith; Manager Climate Change & Environment, Ms S Gamble; Executive Assistant, Ms A Smit.

Enquiries and/or Apologies: Arweena Smit
E-mail: a.smit@darwin.nt.gov.au - PH: 89300 685
OR Phone Committee Room 1, for Late Apologies - PH: 89300 519

Committee's Responsibilities

- | | |
|-----------------------------------|--|
| • Asset Management | • Infrastructure Projects |
| • Building Services | • Infrastructure Maintenance |
| • Cemeteries | • Design |
| • Mosquito control | • Planning |
| • Operations | • Road Construction and Traffic Management |
| • Parks & Reserves | • Urban Enhancement |
| • Pathways | • Climate Change and Environment |
| • Road maintenance | • Waste Management |
| • Sporting Areas | • Outdoor Dining |
| • Stormwater Drainage Maintenance | • Signage |
| • Street Cleaning | |
| • Urban Forest Management | |

THAT effective as of 16 April 2012 Council, pursuant to Section 32 (2)(b) of the Local Government Act 2008, hereby delegates to the Environment & Infrastructure Committee the power to make recommendations to Council and decisions relating to Environment & Infrastructure matters within the approved budget.

OPEN SECTION

E&I07/2

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OPEN SECTION

E&I07/4

Environment & Infrastructure Committee Meeting – Tuesday, 19 July 2016

1. MEETING DECLARED OPEN

1.1 Election of Acting Chair for Environment & Infrastructure Committee Meeting for Tuesday, 19 July 2016

THAT Member _____ be elected as Acting Chair for the Environment & Infrastructure Committee Meeting held on Tuesday, 19 July 2016 as Elected Chair, Member G A Lambert, is absent.

1.2 Date and time of meetings for 1 July 2016 to 14 July 2017

THAT the Environment & Infrastructure Committee Meetings be held on Tuesday at 5.00 pm from 1 July 2016 to 14 July 2017.

2. APOLOGIES AND LEAVE OF ABSENCE

Common No. 2695036

2.1 Apologies

THAT the apology from The Lord Mayor, Katrina Fong Lim, be received.

2.2 Leave of Absence Granted

THAT it be noted Member G A Lambert is an apology due to a Leave of Absence previously granted on 12 July 2016 for the period of 13 July 2016 to 20 July 2016.

3. ELECTRONIC MEETING ATTENDANCE

Common No. 2221528

4. DECLARATION OF INTEREST OF MEMBERS AND STAFF

Common No. 2752228

4.1 Declaration of Interest by Members

4.2 Declaration of Interest by Staff

OPEN SECTION

E&I07/5

Environment & Infrastructure Committee Meeting – Tuesday, 19 July 2016

5. **CONFIDENTIAL ITEMS**

Common No. 1944604

Nil

6. **WITHDRAWAL OF ITEMS FOR DISCUSSION**

THAT the Committee resolve under delegated authority that all Information Items and Officers Reports to the Environment & Infrastructure Committee Meeting held on Tuesday, 19 July 2016 be received and considered individually.

7. **CONFIRMATION OF MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING**

THAT the Committee resolve that the minutes of the previous Environment & Infrastructure Committee Meeting held on Tuesday, 24 May 2016, tabled by the Chair, be received and confirmed as a true and correct record of the proceedings of that meeting.

8. **BUSINESS ARISING FROM THE MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING**

8.1 **Business Arising**

9. **DEPUTATIONS AND BRIEFINGS**

Nil

OPEN SECTION

E&I07/6

Environment & Infrastructure Committee Meeting – Tuesday, 19 July 2016

10.1 OFFICERS REPORTS (ACTION REQUIRED)

ENCL: ENVIRONMENT & INFRASTRUCTURE
YES COMMITTEE/OPEN

AGENDA ITEM: 10.1.1

**ANNUAL ADJUSTMENT TO CENTRAL BUSINESS ZONE
CAR PARKING CONTRIBUTION**

REPORT No.: 16TS0123 DL:lf

COMMON No.: 428253

DATE: 19/07/2016

Presenter: Manager Design, Planning and Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to seek Council endorsement of the annual adjustment to the financial contribution required for any car parking shortfall in accordance with the *Car Parking Contribution Plan Central Business Zone* (the "Plan").

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

2 Vibrant, Flexible and Tropical Lifestyle

Outcome

2.1 Improved access and connectivity

Key Strategies

2.1.4 Provide parking facilities to meet community needs

KEY ISSUES

- Under Section 5.2 *Adjustment of Contributions* of the *Car Parking Contribution Plan Central Business Zone*, Council may make annual adjustment to the contribution rate;
- The contribution rate applicable from 1 July 2016 will increase from \$23,632 per shortfall bay to \$24,105 per shortfall bay (GST inclusive).

PAGE: 2
 REPORT NUMBER: 16TS0123 DL:lf
 SUBJECT: ANNUAL ADJUSTMENT TO CENTRAL BUSINESS ZONE CAR PARKING CONTRIBUTION

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

- A. THAT Report Number 16TS0123 DL:lf entitled Annual Adjustment To Central Business Zone Car Parking Contribution, be received and noted.
- B. THAT Council approve the adjustment of the financial contribution rate per shortfall bay in the Car Parking Contribution Plan Central Business Zone (May 2007) from \$23,632 per shortfall bay to \$24,105 per shortfall bay (GST inclusive) to apply from 1 July 2016, in accordance with Section 5.2 Adjustment of Contributions of the Plan.

BACKGROUND

The *Car Parking Contribution Plan Central Business Zone (May 2007)* was adopted by Council and Gazetted on 15 August 2007.

The financial contribution for a car parking shortfall within the CBD of Darwin can be adjusted annually. Council has, in the past, chosen to adjust the rate annually to reflect increasing costs in the provision of parking.

DISCUSSION

Section 5.2 *Adjustment of Contributions* of the Plan reads as follows:

"For the purposes of the formula in paragraph 5.1 "CC" will be adjusted annually on the 1st of July each year ("the Adjustment Date") in accordance with the following formula:

$$CC = CC1 \times [1.0 + [(Z/100 + L/100)/2]]$$

Where:

CC is the adjusted contribution rate payable as and from the Adjustment Date.

CC1 is the contribution rate payable immediately prior to the Adjustment Date.

Z = the percentage increase in construction cost in Darwin over the 12 months immediately prior to the Adjustment Date (as determined by a suitably qualified local Quantity Surveyor); and

L = the percentage increase in Darwin Central Business Zone land value over the 12 months immediately prior to the Adjustment Date (as determined by the Valuer General);"

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 REPORT NUMBER: 16TS0123 DL:lf
 SUBJECT: ANNUAL ADJUSTMENT TO CENTRAL BUSINESS ZONE CAR PARKING CONTRIBUTION

* Note: The term *contribution rate (CC)* as provided in the Plan refers to the estimated cost to construct a single multi-storey car parking bay in the Darwin Central Business Zone.

The actual contribution per shortfall bay payable by Developers is CC/2 (refer to Section 5.1 *Formula for Calculating Contribution* of the Plan, assuming SFB or CB equal 1.0).

In accordance with the Plan, the percentage increase for construction cost over the 12 months prior to 1 July 2016 was obtained through the services of a suitably qualified local Quantity Surveyor (Rider Levett Bucknall). The figure obtained was 1.5%. A copy of the advice is included as **Attachment A** of this report.

The percentage increase in fringe Darwin Central Business Zone land value (as determined by the Valuer – General) over the 12 months prior to 1 July 2016 was 2.5%. A copy of the advice received is included as **Attachment B** of this report.

** Note: The term *fringe CBD* is used widely within Council's *Parking Strategy for Darwin Central Business District*. Consequently it is deemed appropriate to base the land value increases on fringe Central Business Zone areas which are likely the areas in which Council would acquire land to construct future car parking facilities.

With these figures the adjusted contribution rate from 1 July 2016 in accordance with the Plan would be:

$$\begin{aligned} CC &= \$47,264 \times [1.0 + [(1.5/100 + 2.5/100)/2]] \\ &= \$48,210. \end{aligned}$$

Consequently, the financial contribution payable per car parking shortfall bay would be:

$$CC/2 = \$24,105 \text{ per bay.}$$

The Development Consent Authority and Property Council of Australia NT Division will be informed in writing of the adjusted Central Business Zone Parking Contribution Rate.

A notice of the adjusted contribution rate will also be gazetted and the change advertised in the NT News and on City of Darwin's website. The adjusted contribution rate will be applicable from 1 July 2016.

CONSULTATION PROCESS

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

- Office of the Valuer-General (Northern Territory)
- Rider Levett Bucknall

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 REPORT NUMBER: 16TS0123 DL:lf
 SUBJECT: ANNUAL ADJUSTMENT TO CENTRAL BUSINESS ZONE CAR PARKING CONTRIBUTION

POLICY IMPLICATIONS

Nil

BUDGET AND RESOURCE IMPLICATIONS

Refer to the Discussion section of this report.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The *Car Parking Contribution Plan Central Business Zone* has been in place from the date of Gazettal on 15 August 2007.

Section 5.2 *Adjustment of Contributions* of the Plan allows for annual adjustments of the Contribution Rate on the 1st of July each year in accordance with a formula based on percentage increase in fringe Central Business Zone land value and percentage increase in construction cost of the 12 months immediately prior to the adjustment date.

ENVIRONMENTAL IMPLICATIONS

Not assessed.

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.

DROSSO LELEKIS
MANAGER DESIGN, PLANNING
AND PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 8930 0414 or email: d.lelekis@darwin.nt.gov.au.

Attachments:

- Attachment A:** Advice on percentage increase in construction cost from 1 July 2015 to 30 June 2016 – Rider Levett Bucknall.
- Attachment B:** Advice on percentage increase in fringe Darwin Central Business Zone land values from 1 July 2015 to 30 June 2016 – Office of the Valuer-General (Northern Territory).

RLB | Rider Levett Bucknall

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J11578

6 July 2016

Darwin City Council
Harry Chan Avenue
DARWIN NT 0800

ATTENTION: MR DROSSO LELEKIS

Dear Drosso,

Darwin Construction Prices

Please be advised that we expect construction prices in Darwin to have increased by an estimated 1.5% over the period 1 July 2015 and 30 June 2016.

Trusting this satisfies your current requirements, please feel free to contact us should you have any queries or require any further information.

Yours sincerely,



Paul Lassemillante
Director

ATTACHMENT B

Mr Drosso Lelekis
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Dear Drosso,

**Re: PERCENTAGE INCREASE IN DARWIN FRINGE CENTRAL BUSINESS ZONE LAND VALUE
1 JULY 2015 – 30 JUNE 2016**

I refer to your enquiry regarding the move in fringe Central Business commercial land from 1 July 2015 to 30 June 2016.

The Valuer has reviewed a number of sales to try and extrapolate what may be considered to be the market movement. As you would appreciate there are limited sales in which a conclusive market position can be drawn and there are no resales of any relevance that conclusively prove a percentage movement. There is clear evidence in the Greater Darwin Residential market that there has been a price decrease and stabilization. This however is not evident in this central area.

For your information, sales that have been reviewed include 2 central business sales at 36 Cavenagh Street and 35 Knuckey Street. It is recognized that both of these are core CB sales and analysis of these sales will show an increase in site value, as they are both considered development sites.

The two fringe sales which have been considered are 60 McMinn Street and 17 Finniss Street. Again, analysis of both of these sales are redevelopment sites, however both have short to medium income support.

- 60 McMinn Street has a double storey iron clad warehouse converted to offices, however sits in a prime area for future residential development. It would be considered that a purchaser of this site could be for land banking plus short term income return.
- 17 Finniss Street comprises a 1970's style brick motel known as The Palms Motel. Again it would possibly be a viable business with a short term lease however the location would offer itself to longer term redevelopment. The analysis of this property would indicate a movement in the underlying site value.

Based on this analysis and extrapolation of information, I believe that investors are still holding levels of value for commercial development sites while there will probably be a restriction in the development in the short to medium term as there is a reduced end market for units.

In summary, we wish to advise that the Valuer-General of the Northern Territory regards that the fringe Central Business zoned commercial land values increased slightly over the past 12 months and we consider the market value analysis indicates a 0% to 5% increase from the previous 12 months, indicating an average increase of 2.5% would be applicable from 1 July 2015 to 30 June 2016."

I trust this is of assistance.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'R. Langshaw', with a stylized flourish at the end.

RICHARD LANGSHAW
Valuer-General

5 July 2016

OPEN SECTION

E&I07/7

Environment & Infrastructure Committee Meeting – Tuesday, 19 July 2016

10.2 OFFICERS REPORTS (RECEIVE & NOTE)

**ENCL: ENVIRONMENT & INFRASTRUCTURE
NO COMMITTEE/OPEN**

AGENDA ITEM: 10.2.1

CAPITAL WORKS QUARTERLY REPORT – JUNE 2016

REPORT No.: 16TS0128 NK:lf

COMMON No.: 1541601

DATE: 19/07/2016

Presenter: Manager Design Planning & Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide an update on the status of Capital Works projects within the 2015/2016 budget, for the April to June 2016 Quarter.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

5 Effective and Responsible Governance

Outcome

5.5 Responsible financial and asset management

Key Strategies

5.5.1 Manage Council's business based on a sustainable financial and asset management strategy

KEY ISSUES

- This report updates Council on the progress of the 2015/2016 Capital Works projects managed by the Infrastructure Department (total \$31.5 million) for the April to June 2016 Quarter.

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 16TS0128 NK:lf entitled Capital Works Quarterly Report - June 2016, be received and noted.

PAGE: 2
 REPORT NUMBER: 16TS0128 NK:lf
 SUBJECT: CAPITAL WORKS QUARTERLY REPORT – JUNE 2016

BACKGROUND

The City of Darwin's 2015/2016 Capital Works Budget was \$37.5 million.

At the end of June 2016, City of Darwin has committed or completed projects to the value of \$29.9 million, which represents 80% of the City of Darwin's total Capital Works Budget.

Of the total Council Capital Works Budget, \$31.5 million is directly managed and delivered by the Infrastructure Department. This report focuses on the progress of projects within the Infrastructure Department.

DISCUSSION

At the end of June 2016, the Infrastructure Department has committed or completed projects to the value of \$24.9 million, which represents 79% of the total Infrastructure Department's component of the City of Darwin's Capital Works Budget. A number of the significant projects are subject to separate reports and decisions of Council.

The following is a summary of the status of several significant value projects within the 2015/2016 Infrastructure Capital Works Program at the end of June 2016:

Road Resurfacing: \$2.8 million

Works to finalise the 2015/2016 program were completed in June 2016.

Playground Refurbishment: \$1.5 million

The status of several projects within this program are as follows:

Playground refurbishment 2015/2016 - \$86k

- Community consultation was undertaken in November 2015 for the refurbishment of Parkside Park and Leanyer Recreation Park (Leanyer) and Dwyer Park (The Narrows). Construction of the playground at Parkside Park has been completed.

The Northern Territory Government (NTG) is currently in negotiations with the City of Darwin to undertake stormwater flooding mitigation measures within Dwyer Park. The playground refurbishment will be undertaken in conjunction with these works in March 2017. A carry forward for these funds will be prepared for Councils consideration.

Anula Regional Playground refurbishment and additional shading - \$400k

- Works commenced in June 2016 with construction of stage 1, these works were completed prior to the mid semester school break. Construction of stage 2 will commence after the break to minimise disruption to users. Under the current work program the refurbishment will be finalised in September 2016.

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 SUBJECT: CAPITAL WORKS QUARTERLY REPORT – JUNE 2016

Playground Shade - \$778k

The status of the 2015/2016 program is provided in the table below.

Location	Status	Location	Status
Allen Park	Completion July 2016	Latrobe Park	Completed
Bill Sullivan Park	Completed	Moil Park	Completed
Brazil Park	Completed	Nation Cres Park	Completed
Cameron Park	Completed	Parkside Park	Completed
Garanmanuk Park	Completed	Qantas Park	Completion July 2016
Greenwood Park	Completed	Tasman Park	Completion July 2016
Haritos Park	Completed	Tiwi Park	Completed
Johnson Park	Completed	Warrego Park	Completion July 2016
Linde Park	Completed	Young Park	Completed

A tender for the 2016/2017 endorsed annual program was advertised in June 2016 and will be awarded in August 2016.

Stormwater Upgrades: \$1.5 M

2015/2016 program consisted of the following completed projects:

- 259 Casuarina Drive, Nightcliff
- 25 Drysdale Street, Parap
- Sanders Street, Jingili

The stormwater project at 71 Benison Road, Winnellie, identified for the 2015/2016 program is currently on hold, awaiting advice from property owners in order to complete the design and program the works.

Shared Path Construction and Reconstruction: \$1 million

The original 5 year Bike Plan Implementation Plan has been accelerated due to grant funding received from the NTG, for the delivery of years 1-3 inclusive of the infrastructure components of the Bike Plan.

Works that have been completed in the 2015/2016 program are:

- Esplanade on-road cycle lane,
- shared path construction, Abala Road, Marrara,
- shared path construction, Malak Crescent to Chambers Crescent (green belt),
- shared path construction, Nightcliff Road – Aralia Street to Casuarina Drive,
- shared path construction, Nightcliff Master Plan.

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 REPORT NUMBER: 16TS0128 NK:lf
 SUBJECT: CAPITAL WORKS QUARTERLY REPORT – JUNE 2016

Works under way from the 2015/16 program:

- Wayfinding Signage – under development,
- Bike Rack Installation – locations determined through community consultation, awaiting supply of racks, installation roll out programmed with period contractor,
- Bicycle Technical Notes – under development.

Traffic Signal Upgrade Program: \$330,291

The Traffic Signal Upgrade Program has been accelerated due to grant funding received from the NTG for the delivery of Years 1 to 3 inclusive.

Works that have been completed in accordance with Council's endorsed Traffic Signal Upgrade Program in 2015/16 are:

LED traffic signal upgrade at the following locations:

- Mitchell Street / Daly Street
- Cavenagh Street / Daly Street
- East Point Road Pedestrian Crossing

LED Pedestrian Countdown Timers at the following locations:

- Knuckey Street / Cavenagh Street
- Knuckey Street / Smith Street
- Knuckey Street / Mitchell Street

Traffic signal controller power back-up at the following locations:

- Bennett Street / Cavenagh Street
- Knuckey Street / Cavenagh Street

Radar Pedestrian Detectors at the following isolated pedestrian crossings

- East Point Road
- Dick Ward Drive

Pathway Construction and Reconstruction: \$938,591

The 2015/2016 program delivered the following projects:

- Jessop Cres, Berrimah,
- Berrimah Business Park, Berrimah,
- Austin Lane, Darwin CBD,
- 10 Knuckey Street, Darwin CBD,
- Gardens Road, The Gardens,
- Marina Boulevard, Cullen Bay,
- De Latour Street, Coconut Grove,
- Valder Cres, Nightcliff,
- Waratah Cres, Fannie Bay,
- Jinka St ,Tiwi,
- McLachlan St, Darwin CBD,
- Nightcliff Foreshore, Nightcliff,
- Vimy Lane, Parap

A program for 2016/2017 has been developed and community consultation is currently underway.

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 REPORT NUMBER: 16TS0128 NK:lf
 SUBJECT: CAPITAL WORKS QUARTERLY REPORT – JUNE 2016

Roads to Recovery (Esplanade Upgrade Project): \$3.7 million

Major construction was completed in early March 2016. The roadworks are funded by the Australian Government.

Minor outstanding works include final line marking of the cycle lane, These works have been delayed due to treatment requiring specific climatic conditions for optimum outcome. It is envisaged that these works will be undertaken prior to September 2016.

Coastal Erosion: \$1.9 million

The status of projects within this program is as follows:

Coastal Erosion Management Plan - \$1.2 million

- Nightcliff Seawall works completed June 2016
- Nightcliff Stormwater outfalls design underway

Rock Wall Kurrajong Street – \$133,011

- Stage 2 of the project has been completed

Sea Wall Sunset Park - \$592,438

- Construction is complete
- Establishment of landscaping is currently underway with site fencing to be removed late July 2016.

Darwin City Centre Master Plan Projects: \$1.7 Million

A number of Master Plan Projects have been put on hold pending Council decisions.

The following table provides a summary of the progress of each of the identified projects:

Project	Status
MP002 Smith Street/The Esplanade Intersection Treatment	Contract for this project was awarded in April 2016 with works to be undertaken in September 2016 to avoid disruption of the Darwin Festival.
MP009 Bicentennial Park Play Space	Tender under assessment, following a Council request for further information regarding awarding of a contract it is expected that the project should be awarded in September 2016.
MP012 Esplanade Parade Path	On-hold, pending outcomes of the City Play Space.
MP013 Smith Street Upgrade	On-hold pending a report on the CBD Master Plan Projects
MP032 Smith– Daly Street Intersection	Project not proceeding as per council decision for further investigations.
MP037 Tamarind Park Upgrade	Project completed.

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 SUBJECT: CAPITAL WORKS QUARTERLY REPORT – JUNE 2016

CBD Public Toilet - \$348,000

Council resolved that the location of the new public toilet be on the north east side of the Browns Mart office building, adjacent to the eastern corner in Civic Park.

The installation of the new public toilet in Civic Park is set to commence in September 2016, to avoid disruption of the Darwin Festival.

Photovoltaic System Operations Centre - \$176k

The PV system is now operational.

Photovoltaic System Nightcliff and Casuarina Pools - \$231,668k

Solar panel installation and commissioning July 2016.

Nightcliff Community Centre Air Conditioner - \$214,523

Project completed May 2016.

CONSULTATION PROCESS

Communication and engagement plans are implemented for the various projects as required.

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

- Manager Finance
- Team Leader Capital Works
- Manager Infrastructure Maintenance
- Team Coordinator Cityworks
- Team Coordinator Parks and Reserves

POLICY IMPLICATIONS

All works are undertaken with consideration of Council policies.

BUDGET AND RESOURCE IMPLICATIONS

Budget variations will be undertaken in the 4th quarter to reflect project status and timing with funds to be moved into reserves until required to meet expectations. Carry-forwards may also be requested as required.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

All works undertaken within the Capital Works Program are undertaken in compliance with appropriate legislation.

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SUBJECT: CAPITAL WORKS QUARTERLY REPORT – JUNE 2016

ENVIRONMENTAL IMPLICATIONS

Deliverables from the projects identified within this report will have where practical, sustainable aspects built into them such as solar power, energy and water efficiency devices, and consideration of long-term maintenance outcomes.

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.

DROSSO LELEKIS
MANAGER DESIGN PLANNING &
PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 8930 0414 or email:
d.lelekis@darwin.nt.gov.au.

**ENCL: ENVIRONMENT & INFRASTRUCTURE
YES COMMITTEE/OPEN**

AGENDA ITEM: 10.2.2

CBD PARKING STRATEGY IMPLEMENTATION PLAN UPDATE

REPORT No.: 16TS0039 DL:jg

COMMON No.: 1952026

DATE: 19/07/2016

Presenter: Manager Design Planning & Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide an update on Council's Darwin CBD Parking Strategy Implementation Plan (Implementation Plan).

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

2 Vibrant, Flexible and Tropical Lifestyle

Outcome

2.1 Improved access and connectivity

Key Strategies

2.1.4 Provide parking facilities to meet community needs

KEY ISSUES

- On 16 July 2013, Council adopted the Darwin CBD Parking Strategy.
- On 10 December 2013, Council endorsed the City of Darwin CBD Parking Strategy Implementation Plan (Implementation Plan).
- A number of Implementation Plan actions have commenced or are completed.
- This is the first progress report on the Implementation Plan actions to Council's Environment and Infrastructure Committee and further reports will be submitted on a six-monthly basis.

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 16TS0039 DL:jg entitled CBD Parking Strategy Implementation Plan Update, be received and noted.

PAGE: 2
 REPORT NUMBER: 16TS0039 DL:jg
 SUBJECT: CBD PARKING STRATEGY IMPLEMENTATION PLAN UPDATE

BACKGROUND

At the Ordinary Council Meeting held 10 December 2013, Council resolved as follows:

DECISION No.21\1707 (10/12/13)

CBD Parking Strategy – Implementation Plan

Report No. 13TS0155 LC:mm (10/12/13) Common No. 1952026

- A. THAT Report Number 13TS0155 LC:mm entitled CBD Parking Strategy – Implementation Plan, be received and noted.*
- B. THAT Council receive and notes the letter tabled from the Property Council of Australia titled the City of Darwin Central Builders District (CBD) Parking Advisory Committee.*
- C. THAT Council endorse the City of Darwin CBD Parking Strategy – Implementation Plan, **Attachment B** to Report Number 13TS0155 LC:mm entitled CBD Parking Strategy – Implementation Plan.*
- D. THAT Council advise members of the CBD Parking Advisory Committee of the adoption of the City of Darwin CBD Parking Strategy Implementation Plan and thank them for their consideration and input.*

Although an update on progress against the Implementation Plan was considered by Council in September 2015, this is the first of progress report on the Implementation Plan actions to Council's Environment and Infrastructure Committee and further reports will be submitted on a six-monthly basis.

DISCUSSION

The Implementation Plan adopted by Council outlines actions and desired outcomes, for the goals and associated policy statements within the Darwin CBD Parking Strategy and responsibilities, priorities and intended timing for each of these actions.

The Implementation Plan is based on an “incremental approach to change” and has relationships with other strategic work, such as the Darwin City Centre Master Plan. It focuses on relatively short-term actions and is a “living document” and requires regular monitoring and review to “ensure settings and actions are appropriate and implemented in a timely manner.” The changing nature of the CBD in light of development elsewhere, together with the advent of smart technology, will impact on future actions.

A number of Implementation Plan actions are either in progress, ongoing or have been completed and further actions not in the original Implementation Plan have been identified. All of these actions are contained within Tables 1 to 4 respectively in **Attachment A**.

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 SUBJECT: CBD PARKING STRATEGY IMPLEMENTATION PLAN UPDATE

Separate reports were submitted to Council in February 2016 on the review of on-street parking zones and disabled parking and taxi parking within the Darwin CBD. Council has endorsed the changes to these parking areas and these changes have now been implemented, or are substantially completed, as is the case with the taxi parking changes (which are envisaged to be completed within the coming weeks).

CONSULTATION PROCESS

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

- Manager Business Services
- Car Park Coordinator
- Manager Regulatory Services
- General Manager Corporate Services

An internal working group comprising the Manager Business Services, Car Park Coordinator, Manager Regulatory Services and Manager Design, Planning and Projects meets on a quarterly basis to progress the Implementation Plan and to discuss other parking issues.

POLICY IMPLICATIONS

Darwin CBD Parking Strategy.

The actions within the Implementation Plan reflect the intent of the Goals and Policy Statements within the Darwin CBD Parking Strategy.

BUDGET AND RESOURCE IMPLICATIONS

A number of the actions within the Implementation Plan have budget implications. Changing the charging regime impacts on revenue.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

All actions resulting from the Darwin CBD Parking Strategy and Implementation Plan need to be implemented with consideration of risk, legal and legislative issues.

ENVIRONMENTAL IMPLICATIONS

Nil

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REPORT NUMBER: 16TS0039 DL:jg
SUBJECT: CBD PARKING STRATEGY IMPLEMENTATION PLAN UPDATE

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.

DROSSO LELEKIS
MANAGER DESIGN PLANNING &
PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 89300414 or email:
d.lelekis@darwin.nt.gov.au.

Attachment A: Progress on Darwin CBD Parking Strategy Implementation Plan
Actions

Progress on Darwin CBD Parking Strategy Implementation Plan Actions

TABLE1: ACTIONS IN PROGRESS				
Number	Action	Responsible Agency	Details	Timing
1.1.3	Investigate supply/demand and usage of private car parks.	CoD	This work forms part of generation rate study and possible planning scheme amendments requires NTG.	Subject to NTG timing
1.2.1	Prepare a new Contributions Plan for future in-lieu contributions, including appropriate legal advice on ability to modify existing Plan.	CoD	Legal advice sought on possible structure and obligations.	December 2015 Amended to November 2016
2.3.1	Investigate opportunities to retro-fit ground floor activities in to China Town Car park and to improve frontages of China Town and West Lane Car Parks.	CoD	Opportunities for improvement of China Town Car Park frontages included in scope of Smith Street renewal project, included in the 2016/2017 capital works program	December 2015 Amended to November 2016
2.4.3	Negotiate with the NTG regarding the appropriate level for expiation fees.	CoD	This has yet to be discussed formally with the NTG but has been placed on a schedule of in-going discussions at officer level.	June 2015 Amended to October 2016
2.5.3	Develop and implement a consistent signage strategy for off street parking areas.	CoD	As part of the Darwin City Centre Master Plan projects, a review of all way finding and other signage was identified as a project. This project is underway and includes representatives from the Darwin Waterfront Corporation and Department of Transport on the project control group (as they are financial contributors to the development of the strategy).	September 2016
3.1.2	Increase charges for on-street and off-street car parking at above-CPI rates for the next 7 years to bring charges onto a more commercially-realistic footing.	CoD	Requires a report to Council and a decision in order to implement any increases over the period. It is currently dealt with on an a year by year basis only. A report will be presented to Council prior to the 2017/2018 budget process	Action to be reviewed during 2016/2017
4.1.3	Develop a range of indices to guide progression of Parking Strategy (population, commercial growth, actual parking usage, traffic volumes, tourism, etc.)	CoD	Various data is already collected to best inform decisions for a variety of purposes. Consideration on how to effectively utilise is underway.	February 2017

CoD = City of Darwin

NTG = Northern Territory Government

TABLE 2: OPERATIONAL ACTIONS -ONGOING

Number	Action	Responsible Agency	Details	Timing
1.1.1	Engage with the NT Government about revising car parking rates, requiring new on-site parking to be made publicly accessible and amending NTPS to allow car parks with a demonstrated oversupply compared to demand to be converted to publicly accessible commercial off- street parking.	NTG	Northern territory Government and Council have been having on-going discussions on a possible review of generation rates and supply and demand. NTG have indicated they are considering Council's request. A letter requesting an update on progress has been sent to the NTG.	On-going and responsibility of NTG
1.1.2	Write to NT Government and seek inclusion of appropriate rates for bicycle parking and end-of-trip facilities in statutory planning requirements as per Austroads guidelines.	NTG	Requires Planning Scheme Amendment. This issue has been communicated to the NTG and a letter requesting an update on progress has been sent to the NTG.	December 2015 Amended to On-going and responsibility of NTG
1.2.2	Update the cost rates used in the existing and future Contributions Plans annually.	CoD	Undertaken annually and endorsed by Council	July/August each year
1.2.3	Review Council and other land holdings for compatibility with provision of new car parking facilities against the CBD Master Plan.	CoD	Strategic Property Holdings document adopted by Council in September 2015, Cavenagh St car park is identified for a multi-storey car park. Strategic Property Holdings Workshop on 14/03/16.	December 2015 Amended to Ongoing
1.4.2	Utilise the financial parking model to assess impact on alternative demand and revenues scenario.	CoD	Council establishes the fees and charges on an annual basis-on-going	Ongoing annually
2.1.3	Develop guidelines for the ongoing management of on-street parking.	All	Internal car parking coordination group established and to continue meeting quarterly	Quarterly each year
2.4.2	Review existing parking enforcement activities to ensure that enforcement activities are promoting turnover (and hence availability of spaces) as appropriate to zoning.	CoD	CBD parking regulation continues to occur on a daily basis including the chalking of vehicles. New technological advances in respect to the electronic chalking of vehicles are currently being explored. Refer also to 2.5.2.	Ongoing
3.1.1	Prepare and maintain physical and financial plans for the upgrading, renewal and development of parking facilities.	CoD	Part of on-going asset management.	Ongoing
4.1.1	Undertake parking usage surveys to identify occupancy and turn over rates.	CoD	Last survey completed Sept 2014. Information obtained was utilised in the on-street parking Zone review.	Sept 2014 & every 3 years

TABLE3: ACTIONS COMPLETED

Number	Action	Responsible Agency	Details	Timing
1.3.1	Review the incentive offered to exit the Local Rate Levy.	CoD	Considered that this levy will be phased out by attrition as sites subject to this levy are redeveloped.	Completed.
1.4.1	Review construction of 800 bay multi-level car park facility at the Cavenagh Street site (per previous Contributions Plan) subject to review of Contributions Plan, finalisation of CBD Master Plan and monitoring ongoing demand in parking.	CoD	One-off project. Its construction is included in the long-term financial plan from 2019/2020 to 2021/2022.	Completed
2.1.1	Adjust Zone A – B – C on street zones to reflect actual usage/demand as revealed by parking turnover survey.	All	Council resolved on 23 February 2016 to implement the recommended changes to Zones A, B and C, 15 minute parking and disability parking.	Completed.
2.1.2	Consider the implementation of 1 Hour Parking zones in areas requiring higher turnover (e.g. Cavenagh Street).	CoD	This was included as part of the review of on-street parking and it was considered that no change should be made to implementing one hour time limited parking at this time. An evidence based approach, with comprehensive stakeholder consultation would be required for this option to be considered in the future.	Completed
2.1.4	Review disability parking amounts, locations and access to a Continuous Accessible Path of Travel (CAPT) as part of providing well-located parking for the use of people with disabilities.	CoD	The on-street parking review considered the number of disability parking bays, as well as their location.	Completed
2.1.5	Review distribution of taxi zones and develop guidelines for special use permits (e.g. tourist operators).	CoD	Council resolved on 23 February 2016 to implement the recommended taxi parking changes in the Darwin CBD. Special use permits have been reviewed. They are now quarterly and limited to 15 minute drop off and pick-up only. One additional tourism permit parking area along Mitchell Street (near Peel Street) has been established, with another one (on the western side of the Daly Street intersection) will be established shortly. Separate fees are payable for the use of each parking area.	Completed
2.2.1	Incorporate Parking strategy goals and objectives into CBD master plan, CBD traffic plan, Darwin Transport (public transport) strategy, and Darwin Bike Plans.	CoD	Darwin City Centre Master Plan and Darwin Bike Plan both took into account the Parking Strategy.	Completed

2.2.2	Review Council held properties to identify strategic locations for future parking facilities in the context of the NTG Greater Darwin Transport Plan.	CoD	Undertaken as part of Strategic Property Holdings Review completed in March 2016	Completed
2.2.3a	Ensure integration of cycling initiatives within the development of the Darwin Bike Plan.	CoD	Darwin Bike Plan adopted by Council	Completed
2.4.1	Better manage / control the informal parking along McMinn Street through liaison with NTG.	CoD	Following meeting with the NTG a program has been set in place for enforcement to be fully effective by February 2016	Completed
2.5.1	Investigate implementation of alternative technologies including pay-by-phone, credit card payment, in pavement sensors, number plate recognition.	CoD	Credit card facilities installed December 2014 to all off street car parks charging \$5.00 and over. Credit card facilities installed in Zone C in July 2015 and Cavenagh St in January 2016. Pay by phone application trialled and not deemed appropriate at this point in time. Review of parking sensor technologies completed.	Completed
2.5.2	Review implementation of alternative car park technologies in multi storey car parks from current pay-n-display to number plate recognition or pay for time systems.	CoD	APARC travelled to Darwin in Feb 2015 to present overview of new technologies including "pay by plate" Matter is being further explored.	Completed
3.1.3	Review Council managed reserved parking in off-street car parks.	CoD	Permit fees increased annually now at casual parking level.	Completed
4.1.2	Amend Council Parking Policies to reflect adopted CBD Parking Strategy adopted July 2013.	CoD	Council resolved to adopt the Parking Strategy as policy.	Completed

TABLE4: NEW ACTIONS

Number	Action	Responsible Agency	Details	Timing
	Investigate smart lighting technologies that could be used for parking management.	CoD	This could include for purposes such as CCTV and wi-fi applications.	July 2017
	Engage with the NT Government in regard retaining part of the McMinn Street road reserve for permanent public parking as part of any future upgrading of McMinn Street.	CoD	Provide an initial request for consideration to the NTG.	July 2017

ENCL: NO	ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN	AGENDA ITEM: 10.2.3
INFRASTRUCTURE - DESIGN, PLANNING & PROJECTS QUARTERLY REPORT – JUNE 2016		
REPORT No.: 16TS0129 DL:lf	COMMON No.: 1832896	DATE: 19/07/2016

Presenter: Manager Design Planning & Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide an update on the activities of the Infrastructure Department Design, Planning & Projects Section for the April to June 2016 Quarter.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

2 Vibrant, Flexible and Tropical Lifestyle

Outcome

2.2 A sense of place and community

Key Strategies

2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment

KEY ISSUES

- Quarterly reports on the activities of the Design, Planning and Projects section of the Infrastructure Department are provided to inform Council.
- Highlights, milestones and progress on projects for the quarter are summarised in the body of this report.

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 16TS0129 DL:lf entitled Infrastructure - Design, Planning & Projects Quarterly Report – June 2016, be received and noted.

BACKGROUND

Quarterly reports on the activities of the Design, Planning and Projects section of the Infrastructure Department are provided to inform Council.

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 REPORT – JUNE 2016

The key roles of the Design and Projects team is to undertake technical investigations, provide responses to external and internal stakeholder enquiries, facilitate designs and undertake construction of items both within the City of Darwin's Capital Works programs and as required.

The key role of the Planning team is to assess and respond to Development Applications to the Northern Territory Government's Development Assessment Services, to report on Development Applications of particular significance to the City of Darwin and to assess, respond to and report on Alfresco Dining and Signage applications, respond to Northern Territory Planning Scheme amendment proposals and deal with Strategic Planning matters, if and when they arise.

DISCUSSION

The following provides highlights of activities which have occurred in the section during the April to June 2016 quarter and is provided for Council's information:

Issues Investigated

- Approximately 30 traffic and associated road safety issues have been raised by members of the community and other stakeholders and assessed, of which 20 have been resolved. These issues include;
 - pedestrian and road safety matters,
 - on-street parking,
 - speeding vehicles, and
 - disability access.
- Several of the investigations have resulted in Local Area Traffic Management (LATM) designs.
- Any sites identified as requiring remedial works resulting from investigations will be prioritised against other works and programmed according to available budget in current or future years.

CBD Parking Strategy Implementation Plan

- The on-street parking changes (including zone, taxi and disabled parking changes) endorsed in the previous quarter were implemented, with the exception of some taxi parking changes, which will be put in place after the new lighting and CCTV along Peel Street are completed in the coming quarter.

Darwin Bike Plan

- A new revised five year Darwin Bike Plan Implementation Plan was adopted by Council.

Darwin CBD Road Hierarchy Study

- Work on the Darwin CBD Road Hierarchy Study identified within the Darwin City Centre Master Plan progressed and is expected to be completed in September 2016.

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Ryland Road Black Spot Projects

- Design/documentation was completed for the Ryland Road Black Spot Projects with work to be undertaken during the school holiday period in July.

Design and Documentation

Design work continued on the following major projects. Community information/consultation plans for these projects will also be developed.

- Cavenagh Street/Bennett Street Intersection Upgrade
- Dinah Beach Road Upgrade

Development Applications

Council submitted 84 letters in response to Development Applications made to the Northern Territory Government Development Assessment Services, for the Darwin Municipality in the April to June 2016 quarter.

Of the 84 Development Applications, 18 were the subject of individual reports to Council. Of the 18 reports presented to Council:

- Four related to Strategic Planning matters,
- Six were Summary Reports,
- Four were generic development application reports, and
- Four were related to Rezoning/Planning Scheme Amendments.

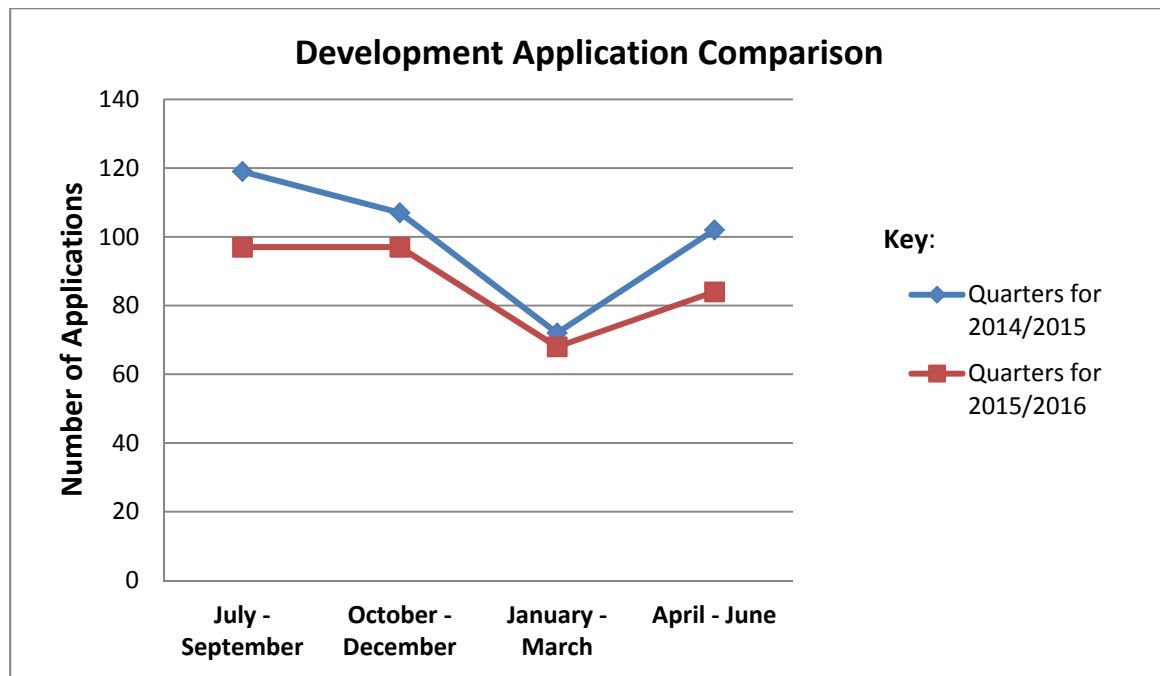


Figure 1: Trend of development applications for 2015/2016 by quarter.

Sign Applications

Nine sign applications were received in the quarter and considered against the City of Darwin Policy No. 042 - Outdoor Advertising Signs Code.

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Of the nine sign applications:

- Seven applications were the subject of individual reports considered by Council.
- One blue finger sign application was approved.
- One application is awaiting additional information from the applicant, and will be reported to Council in the next quarter.

Sign Complaints

Six advertising sign complaints were received. These ranged from third party moveable signs, flashing LED boards, permanent signs in the City of Darwin road reserve and an advertising sign placed on a City of Darwin asset. Apart from one complaint (advertising sign in the City of Darwin road reserve, without a permit), which is ongoing, the others have been finalised.

Outdoor Dining

There were no applications received for outdoor dining.

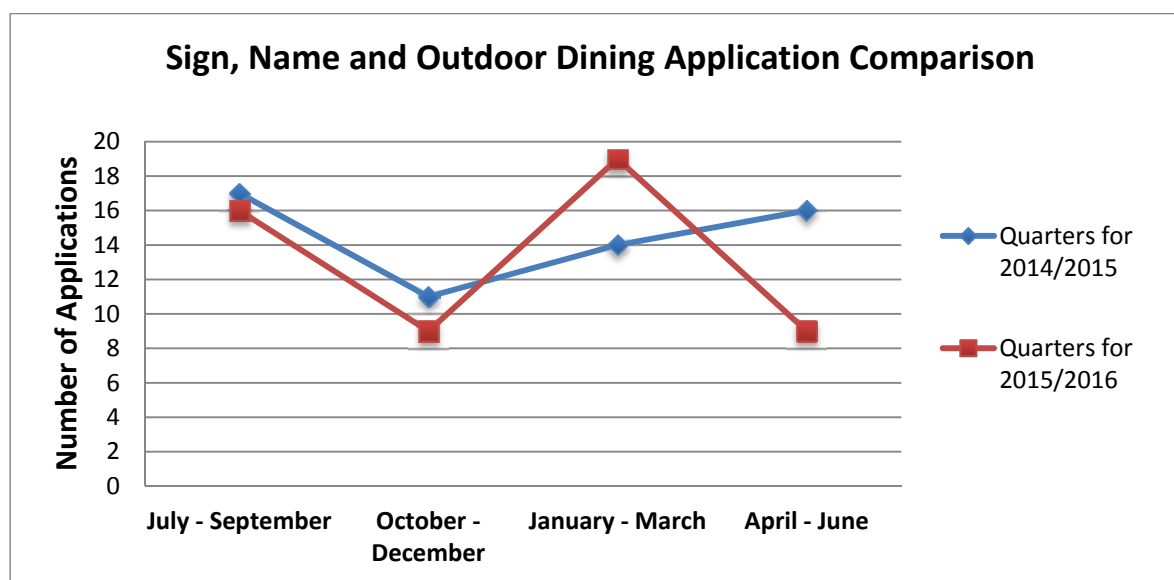


Figure 2: Trend of sign, name and outdoor dining applications for 2015/2016 by quarter.

CONSULTATION PROCESS

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

- Strategic Town Planner
- Team Leader Design
- Team Leader Capital Works

POLICY IMPLICATIONS

All works and activities are undertaken in accordance with the City of Darwin's policies.

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BUDGET AND RESOURCE IMPLICATIONS

All of the activities are undertaken in accordance with the City of Darwin's 2015/16 Capital Works and/or Operational budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Consideration of risk, legal and legislative requirements forms part of all considerations of works and activities undertaken by the section.

ENVIRONMENTAL IMPLICATIONS

Environmental considerations form part of all activities and assessments.

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.

DROSSO LELEKIS
MANAGER DESIGN PLANNING &
PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 89300414 or email:
 d.lelekis@darwin.nt.gov.au.

**ENCL: ENVIRONMENT & INFRASTRUCTURE
NO COMMITTEE/OPEN**

AGENDA ITEM: 10.2.4

INFRASTRUCTURE MAINTENANCE QUARTERLY REPORT - JUNE 2016

REPORT No.: 16TS0132 KS:jh

COMMON No.: 1887505

DATE: 19/07/2016

Presenter: Manager Infrastructure Maintenance, Kerry Smith

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide an update on the activities of the Infrastructure Department – Infrastructure Maintenance section for the April to June 2016 quarter.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

2 Vibrant, Flexible and Tropical Lifestyle

Outcome

2.2 A sense of place and community

Key Strategies

2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment

KEY ISSUES

Infrastructure maintenance completes routine, programmed and reactive maintenance tasks to ensure Council's parks and reserves, road and path network, stormwater drainage network and buildings are provided in a safe, clean and serviceable condition to meet the expectations of the Darwin community.

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 16TS0132 KS:jh entitled Infrastructure Maintenance Quarterly Report - June 2016, be received and noted.

BACKGROUND

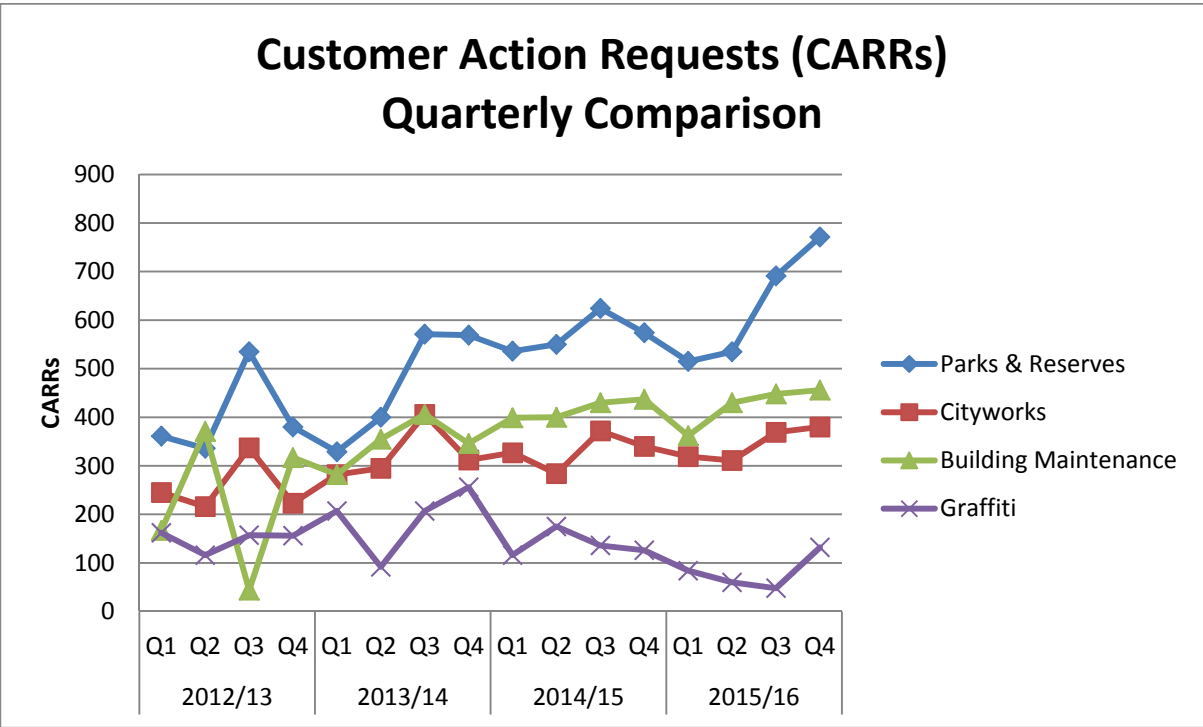
Quarterly reports provide a snapshot of the activities for the Infrastructure Maintenance section within the Infrastructure Department and are provided to inform Council of activities undertaken.

DISCUSSION

The following information provides a broad snapshot of activities and tasks undertaken through Council's Infrastructure Maintenance section. This report also provides some understanding of the variety and quantity of work completed within the section.

Infrastructure Maintenance completes routine, programmed and reactive maintenance tasks to ensure Council's parks and reserves, road and path network, stormwater drainage network and buildings are provided in a safe clean and serviceable condition to meet the expectations of the Darwin community.

In addition to maintenance programs, capital works projects are completed with in-house staff and contractors.

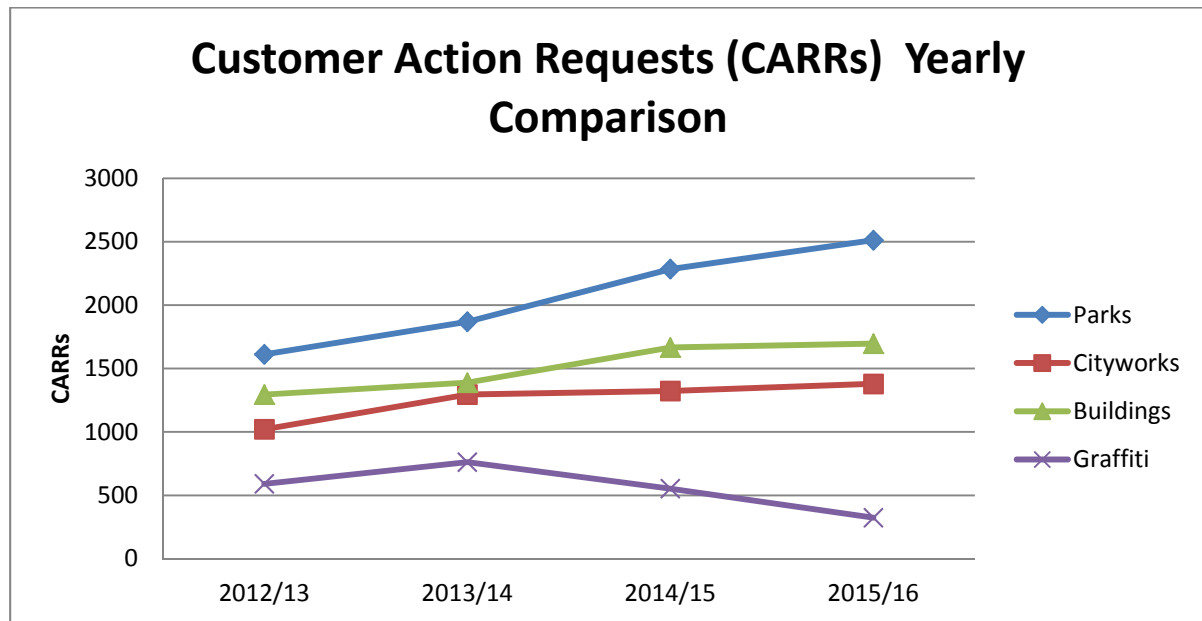


The above graph represents a quarterly comparison of CARRs since the 2012/13 financial year. The number of CARRs across all sections is showing a rising trend with the exception of graffiti. Graffiti shows an erratic pattern due in part to small numbers of graffiti vandals being active at variable times.

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The increase in action requests within Parks and Reserves is due to increased internal auditing which is documented and transferred to the CARR system.

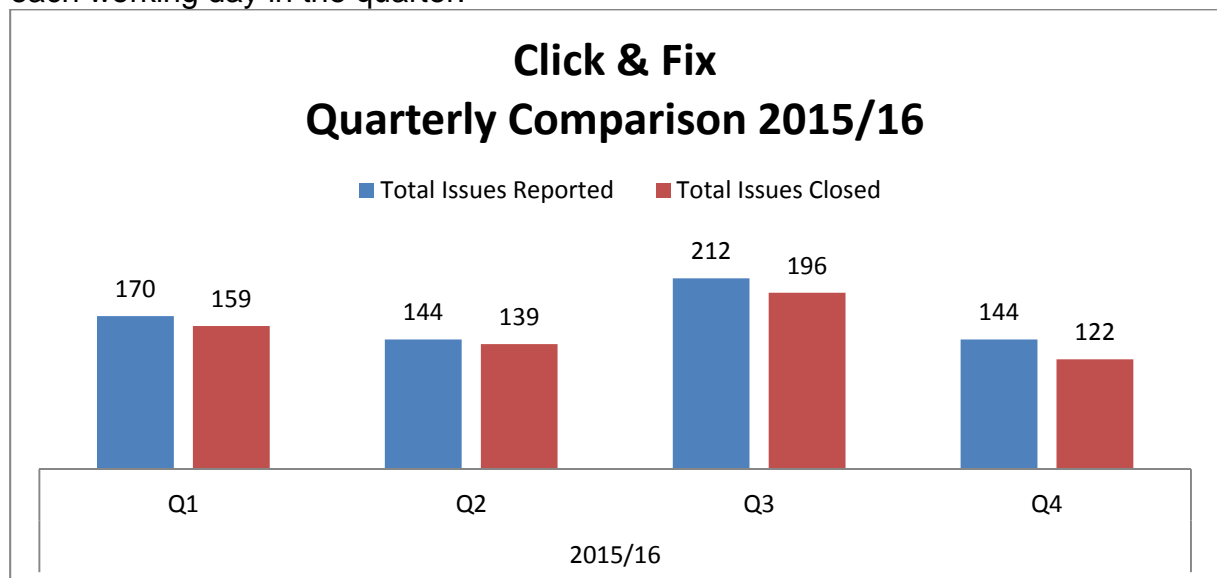
The distribution of CARRs is shown below. Infrastructure Maintenance processed 1739 CARRs for the quarter.



DARWIN CLICK & FIX

Below are the Darwin Click & Fix statistics for the current financial year for Infrastructure Maintenance Department.

At the end of the 4th Quarter 22 items remained unresolved for the year to date. Infrastructure Maintenance processed an average of four (4) Click & Fix reports per each working day in the quarter.



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A brief summary of works completed by business units within the section in the April – June 2016 quarter is as follows.

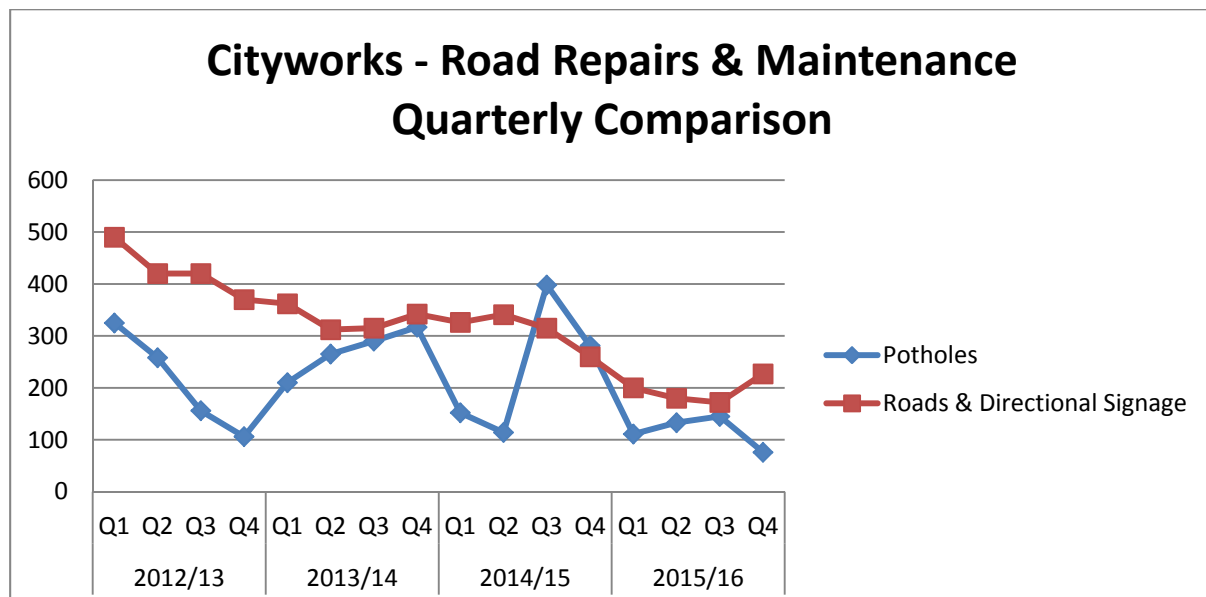
CITYWORKS

Cityworks actioned 380 Customer Action Requests this quarter in addition to programmed and reactive maintenance tasks.

Repairs and Maintenance

- approximately 50 lineal metres of kerb and gutter replaced,
- 326 lineal metres of 1.2m footpath replaced,
- approximately 10m² exposed aggregate concrete footpath replaced,
- storm water network repairs:
 - 75 side entry pits (SEPs) replaced
 - 50 SEPs repaired
 - Approximately 180 side entry pits cleared,
- installation of new bollards to two (2) walkway,
- approximately 76 potholes repaired,
- 180 metres CCTV investigation on the storm water drainage system,
- 227 road and directional signs repaired or replaced,
- 10 debris bars installed to SEPs.

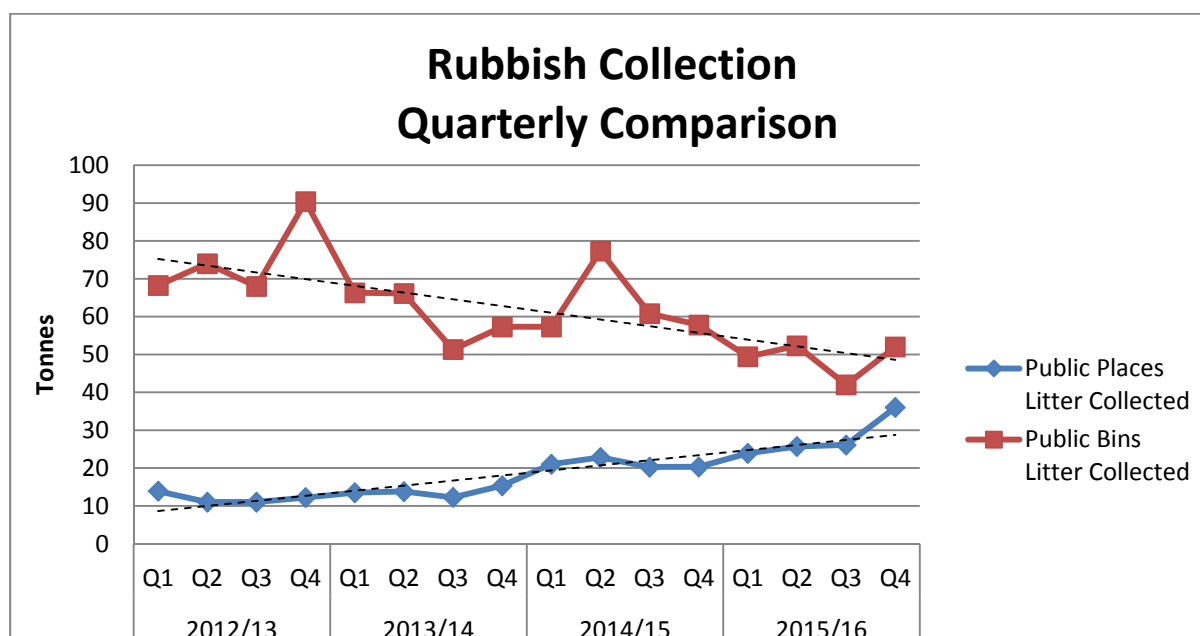
Pothole repairs across the year have been reduced due to the below average wet season rain fall and the early end to any rainfall events.



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Rubbish Collection

Foot patrols through the CBD and foreshore reserves collected approximately 37 tons of litter. 2264 public litter bin collections occurred in the quarter resulting in 53 tons of rubbish being removed.



Current trend lines indicate litter collected from public places is increasing while litter from public bins is decreasing, although there was a slight increase this quarter. Staff have not identified any clear drivers for this trend. Anecdotal evidence provides that the cash for containers programme may be seeing a deducing effect on volume of waste removed from litter bins.

Major Works Undertaken for the Quarter

- 1572m² of walkway replaced,
- 34 streets had reseal works completed,
- mosquito breeding sites eliminated through topdressing and drainage improvement to Vesty's lake area.

Major Works Programmed Within the Next Quarter

- Line marking program,
- 2016/17 Road reseal program commence,
- Civic Park steps refurbishment.

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PARKS AND RESERVES

The Parks and Reserves unit maintains approximately 574 hectares of open space. The unit actioned 771 CARRs in addition to maintenance tasks. These requests covered irrigation repairs, vandalism repairs, grass cutting and verge maintenance, tree pruning/removals, stump grinding, fence repairs, litter collection and playground maintenance.

Parks and Reserves is divided into precinct areas as follows:

- The CBD Precinct maintains 132 hectares in 202 separate areas of public open space including, ovals, road reserve, roundabouts, shopping centre garden beds and street gardens throughout the suburbs of Darwin CBD, Larrakeyah, Bayview, Stuart Park, The Gardens, Parap, Woolner, Winnellie and Berrimah.
- The Central Precinct team maintains 117 hectares in 152 separate areas throughout Nightcliff, Fannie Bay, Coconut Grove, Rapid Creek, Alawa and Nakara.
- The Northern Precinct team maintains 222 hectares in 85 separate areas throughout Anula, Wulagi, Leanyer, Malak, Karama Jingili, Moil, Wagaman, Wanguri and Tiwi.
- The Urban Bushland team is responsible for weed control/herbicide application, litter control, planting programs, re-vegetation and walk trail maintenance to approximately 103 hectares of natural and remnant bush.
- The Turf and Irrigation team maintains all irrigation systems at approximately 400 sites and 17 active sports reserves within the municipality.

Major Works Undertaken for the Quarter

- Tender called for mowing contract,
- Smith St / Gilruth Avenue round about landscape upgrade,
- Allen Park mahogany tree community consultation and pruning,
- Greek Easter, Seabreeze Festival and Bass in the Grass set up/clean up,
- Peace Park irrigation upgrade.

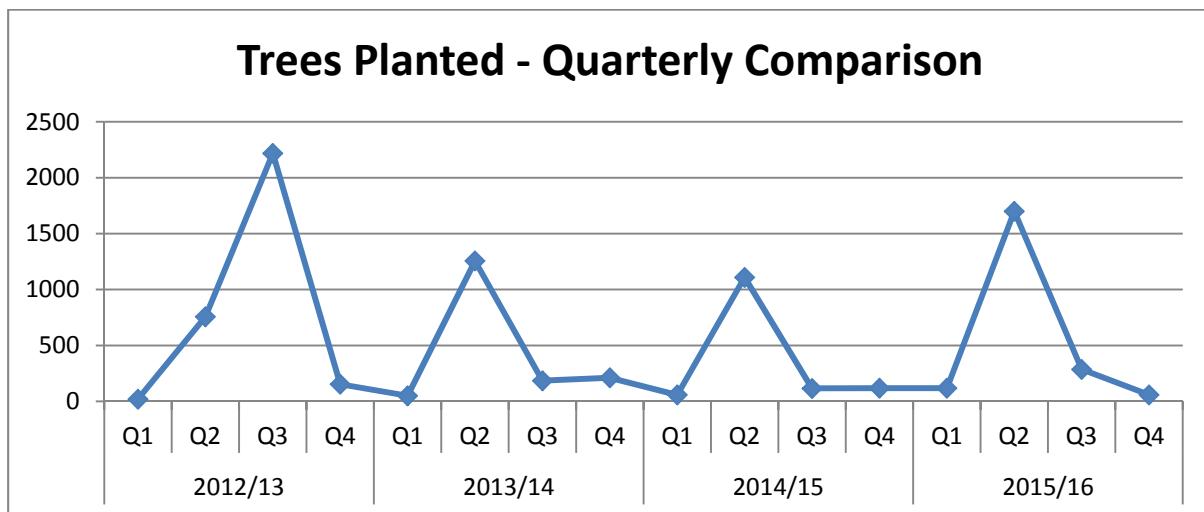
Major Works programmed for the next quarter

- expanded tree assessment program,
- Territory Day Clean Up,
- Nakara shops landscape upgrade,
- mowing contract tender to be assessed and awarded,
- Anula Greenbelt irrigation install review. Last of the Kangaroo stands.

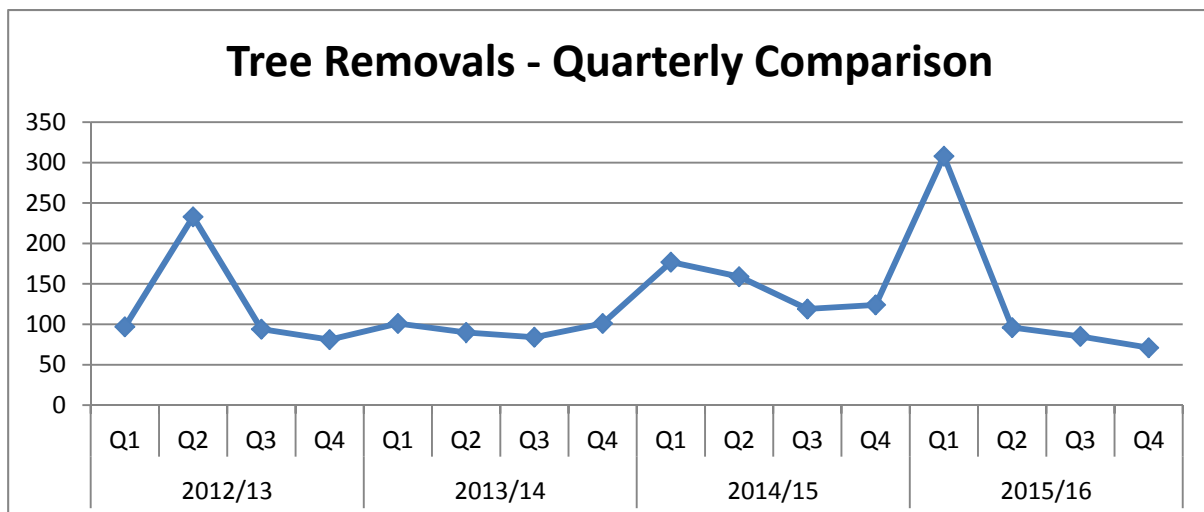
Tree removal and planting statistics

59 trees planted this quarter. The following graph shows the usual fluctuation of high values in second quarter of each financial year which represents the appropriate seasonal conditions for tree planting. Tree planting continued later into the third quarter this year due to the poor wet season.

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There were 71 trees removed this quarter, as shown in the graph below.



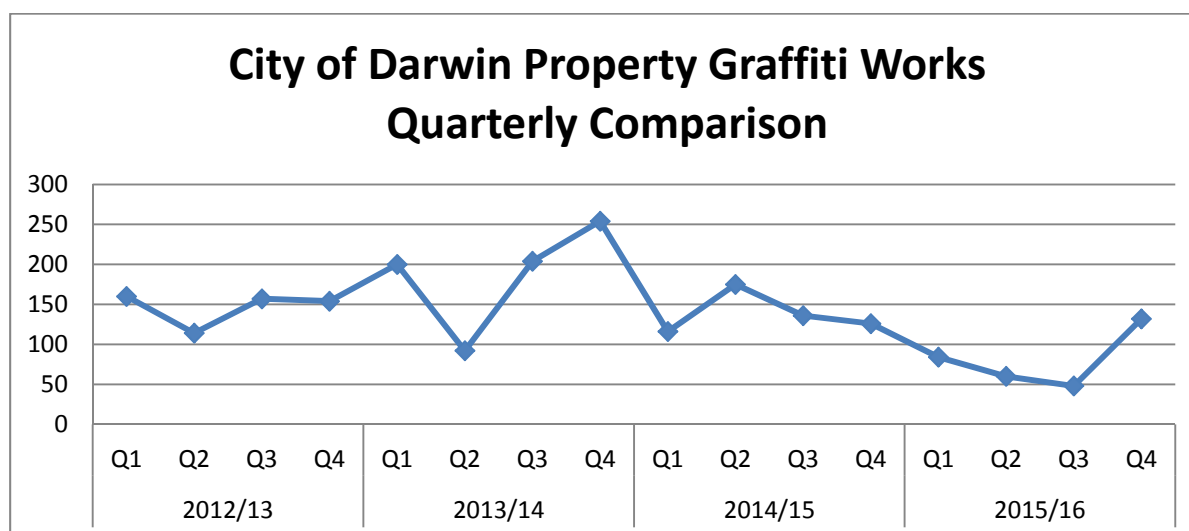
Current trend identifies tree removals and planting similar to previous years.

BUILDING SERVICES

Building services responded to 456 CARRs over the quarter in addition to proactive maintenance tasks.

Council's Graffiti Team responded to 132 CARRs relating to City of Darwin assets.

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Major Works undertaken for the Quarter Include

- Public tender for air conditioning services closed and under assessment,
- West Lane Car Park air conditioning chilled water pipe replacement,
- Casuarina Library mechanical plant room modifications and new supplementary air conditioning to community meeting room,
- annual maintenance shut down at Casuarina Pool,
- LED lighting to Chambers, function room, meeting rooms and CEO areas,
- restoration work to PeeWees sewage treatment system,
- Parap Recreation Facility refurbishment,
- CCTV Upgrades to Casuarina Library and Nightcliff Community Centre,
- Parap Markets toilet refurbishment.

Major Works Programmed Within the Next Quarter

- Calling of tenders for electrical services,
- Installation of a new shed at the Operations Centre for Community and Cultural Services,
- Darwin Entertainment Centre waterproofing to roof structure,
- Darwin Entertainment Centre structural steel awning rust treatment and painting.

Public Toilet Usage

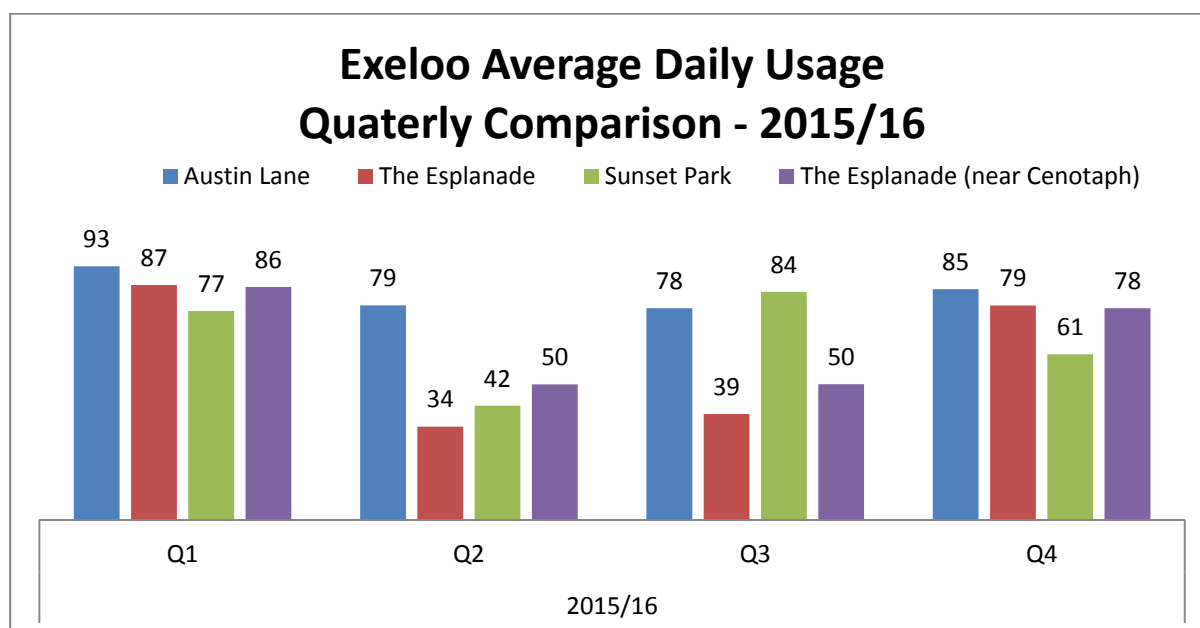
Council operates six public Exeloo toilets and four of these are automated to collect statistics on daily usage rates.

The facilities are accessible 24 hours a day, 7 days a week.

Average daily usage rates for the quarter were;

- Austin Lane Exeloo – 85 per day,
- Esplanade Exeloo – 79 per day,
- Sunset Park Exeloo – 61 per day,
- Esplanade Exeloo (near Cenotaph) – 78 per day.

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CONSULTATION PROCESS

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

- Team Coordinator Parks & Reserves
- Coordinator Civil Infrastructure
- Team Coordinator Building Services
- Team Leader Cleaning Services

POLICY IMPLICATIONS

All works undertaken by the section are in accordance with Council policies.

BUDGET AND RESOURCE IMPLICATIONS

Infrastructure Maintenance operates within the current operational and capital works budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Works undertaken through Infrastructure Maintenance are in accordance with legislative requirements and to mitigate Councils risk wherever possible.

ENVIRONMENTAL IMPLICATIONS

Nil

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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.

KERRY SMITH
MANAGER INFRASTRUCTURE
MAINTENANCE

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Kerry Smith on 8980 3654 or email:
k.smith@darwin.nt.gov.au.

**ENCL: ENVIRONMENT & INFRASTRUCTURE
NO COMMITTEE/OPEN**

AGENDA ITEM: 10.2.5

WASTE AND RECYCLING QUARTERLY REPORT - JUNE 2016

REPORT No.: 16TS0125 NN:tz

COMMON No.: 1738353

DATE: 19/07/2016

Presenter: Manager Technical Services, Nadine Nilon

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide an update on Council's waste management and recycling activities for the April to June 2016 quarter.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

3 Environmentally Sustainable City

Outcome

3.1 Council's carbon footprint reduced

Key Strategies

3.1.3 Reduce Council's waste production

KEY ISSUES

- Council's waste management services including Shoal Bay Waste Management Facility (SBWMF) and waste collection continued throughout the quarter.
- There has been a slight decrease in volume for domestic generated waste and recycling.
- Green waste mulching and recovered steel increased last quarter.
- Commercial waste to the lined landfill increased slightly from the last quarter but was still less than average over the last two years.
- There was a significant decrease in asbestos disposal from previous quarter, however the previous quarter was significantly higher than average.

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 16TS0125 NN:tz entitled Waste And Recycling Quarterly Report - June 2016, be received and noted.

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 SUBJECT: WASTE AND RECYCLING QUARTERLY REPORT - JUNE 2016

BACKGROUND

Quarterly reports on waste management and recycling activities are provided to inform Council of recycling and waste collection volumes and trends.

DISCUSSION

Shoal Bay Waste Management Facility

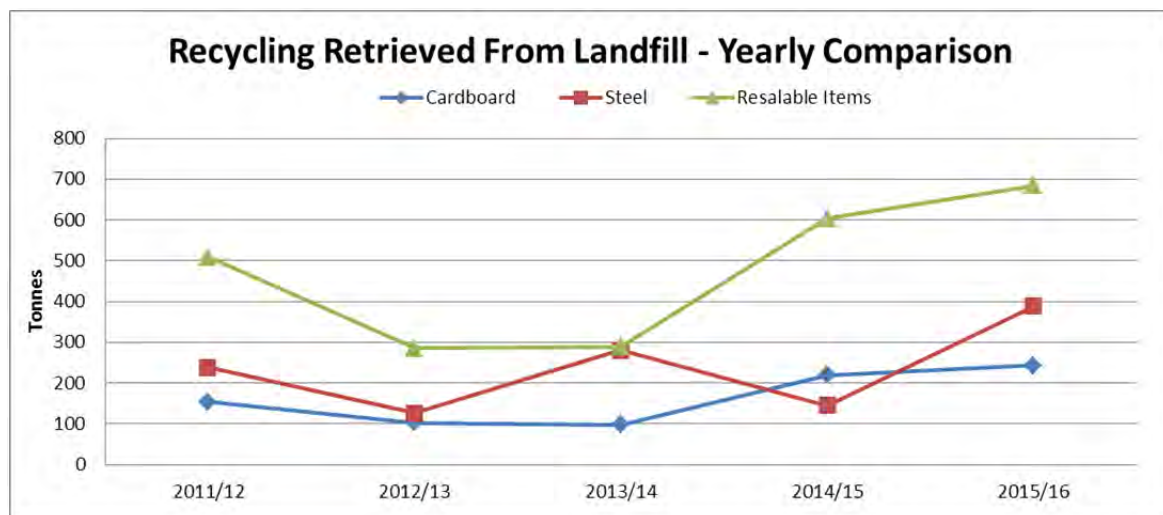
The Shoal Bay Waste Management Facility provides a transfer station and green waste disposal for domestic users, landfill for commercial users, recycling collection with sales facility and a landfill gas processing plant.

Gas Extraction Operations

On average, sufficient power is generated from the gas extraction process to power more than 1,100 Darwin homes per annum. The continuous benefits of converting landfill gas to energy include the reduction of harmful gas emissions to the atmosphere, green power production, and improvement of air quality surrounding the landfill. At the time of writing the report, the LMS Energy Pty Ltd data for this quarter was not available.

Recycling and Recovery Operations

Material for resale and recycling is collected at the recycle facility, either from materials being dropped off at the facility, or through the contractor collecting the material from the transfer station or inert waste landfill cell.



There was a large increase in steel recovery this quarter with almost double the tonnage salvaged from the previous quarter, resulting in 198 tonnes of steel diverted from being landfill. There is no consistent trend observed to be occurring with these materials, however there is ongoing work on site to improve the efficiency of resource recovery. Commercial users are also being encouraged to use the appropriate bins for recyclable material and separate waste prior to arriving on site.

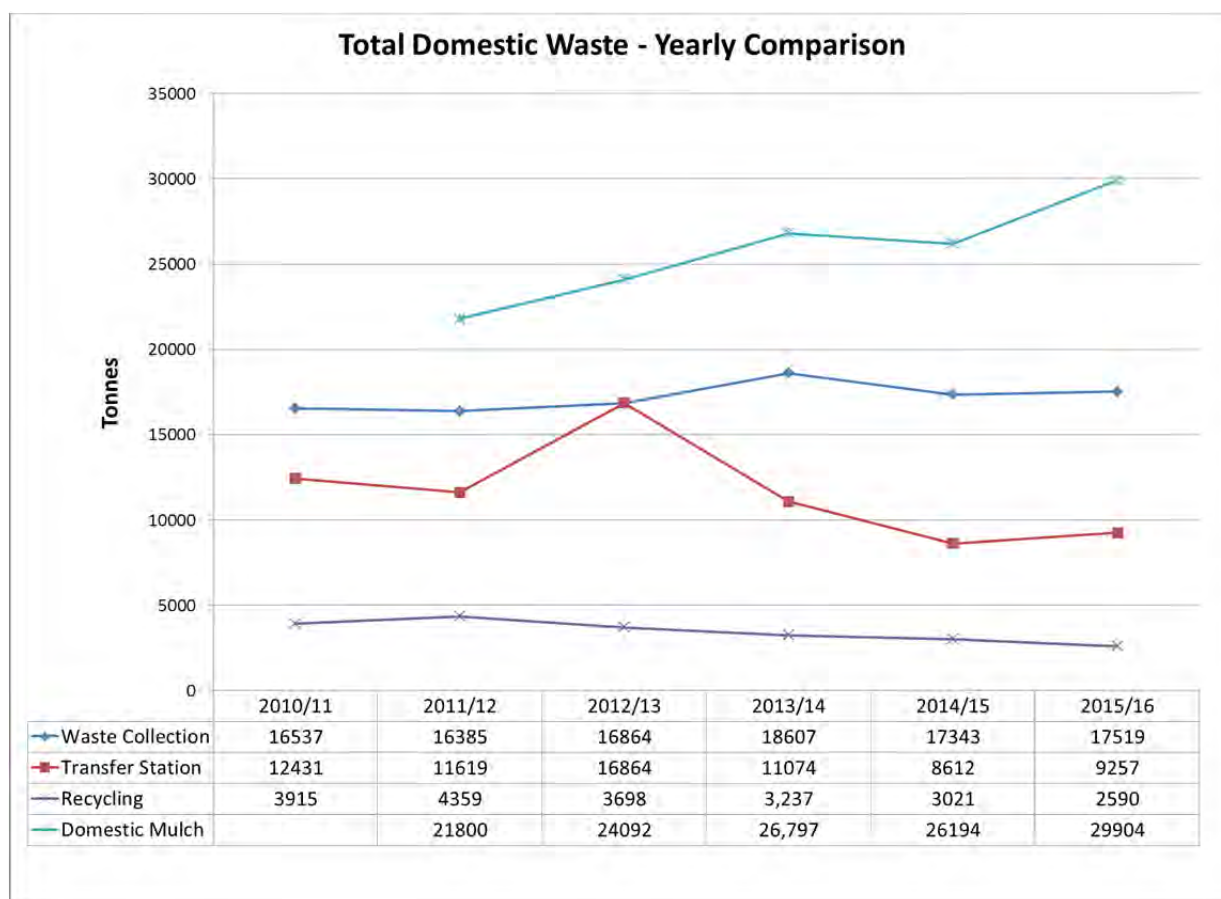
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Domestic Waste, Recycling and Mulch

City of Darwin provides a residential waste and recycling collection service through its contractor, Transpacific Cleanaway. City of Darwin residents are also able to dispose of domestic quantities of household waste at the transfer station via Shoal Bay Access Tags.

The table below provides detail of the following domestic waste and diversion;

- Kerbside and manual collected waste.
- Self-haul domestic waste disposed through the Transfer Station at the Shoal Bay Waste management Facility.
- Recyclables collected and recycled through the Materials Recovery Facility (MRF).
- Self-haul green waste processed as mulch at the Shoal Bay Waste Management Facility.



The annual recycling volumes are on a steady decline, however the volumes prior to 2012/13 have included contamination. The kerbside waste collection has remained consistent, even with the population growth over the years. The volume of waste received at the transfer station has remained consistent with the previous 3 years.

The waste hierarchy prioritises the avoidance of generating waste before it needs to be recycled or disposed, of which the data over the last few years has shown that

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the combined total of collected waste, transfer station waste, and recycling has reduced from over 30,000 tonnes per annum to under 30,000 tonnes.

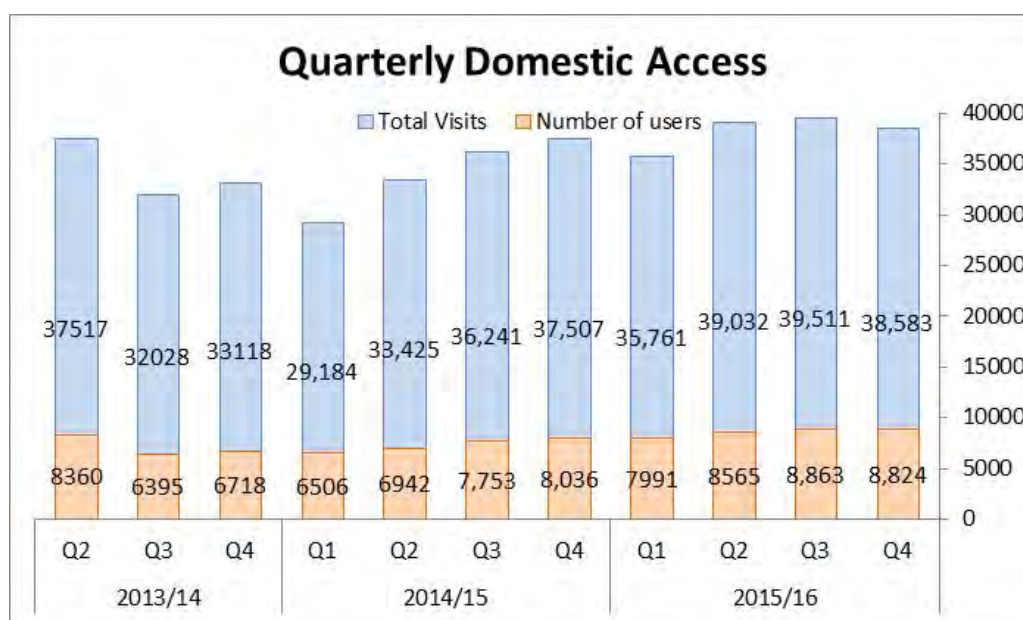
The percentage of total material collected, including green waste, that is diverted through the mulching and recycling processes has increased steadily since 2011/12, as shown in the table below.

	Total Material	Total Diverted	Percentage Diverted
2011/12	54163	26159	48%
2012/13	55307	27790	50%
2013/14	59715	30034	50%
2014/15	55171	29215	53%
2015/16	59270	32494	55%

Domestic Waste - Access to Shoal Bay

There were a total of 38,583 visits to the Shoal Bay site in this quarter which includes access to the transfer station and to the green waste disposal area.

There was a slight decrease in the number of visitors from the previous quarter which is likely due to the end of the wet season. There were 8,824 individual property users of the transfer station and green waste disposal areas for the 38,583 visits, representing an average of 4 visits per user over the quarter.



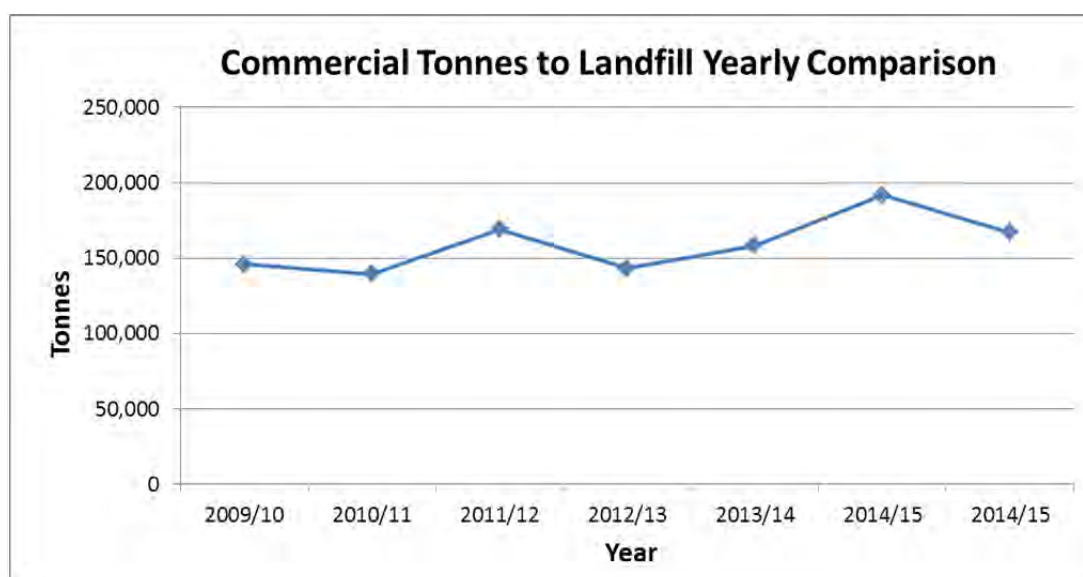
24 letters were sent out regarding suspected misuse of domestic access tags (ie commercial, scavenging, illegal disposal of liquid waste).

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Commercial Access to Shoal Bay

Commercial access includes all commercial users and waste accepted from Palmerston, Litchfield and Dundee transfer stations.

The tonnages received over the last quarter were consistent with the previous quarter at around 37,800 tonnes, remaining lower than the 4 year quarterly average of over 40,000 tonnes. Over the financial year, the total tonnes were consistent with previous years. Due to the slowing economic growth in the region it is expected that waste volumes will be consistent with current disposal tonnages and won't return to over 40,000 tonnes unless there is a particular activity that would cause an increase in waste generation. The current volumes have been considered in current budget forecasting.



Education

Community education has continued through planned events undertaken by Council.

The activities conducted this quarter included:

- Australian Citizenship Ceremonies
 - Introduction of Waste and Recycling information packs, 150 packs issued including give away items
- Site Tour and Education Sessions
 - Nakara Primary School – 139 students

The Cleanaway education program has conducted activities with the following school groups:

- Stuart Park Primary – 480 students,
- St Mary's Catholic Primary – 150 students,
- Wulagi Primary School – 30 students,
- Nakara Primary School – 225 students,
- Holy Spirit School – 24 students.

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A new community education campaign is being developed to educate the community on all aspects of waste management, with a focus on reducing contamination in the recycling stream. The core message in the campaign is the impacts that small amounts of contamination can have on good recycling efforts.

The media for delivering the messages will include TV and newspaper advertising, new calendars providing waste collection information and recycling tips, bus advertising and social media. New graphic design and brochures are also being developed to support this and other waste and recycling activities.

Council and Cleanaway will also co-host an educational stall at the Royal Darwin Show in July.

An education project to work with the business community to educate about industry about waste diversion and disposal options is also commencing. A grant for this project was successfully awarded to Council from the NTEPA last year as part of their waste minimisation strategy. A communication strategy plan to engage the commercial sector is being developed and draft fact sheets targeted at commercial waste generators have been designed and are near completion.

CONSULTATION PROCESS

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

- Territoria Civil (Shoal Bay Contractors)
- Transpacific Cleanaway

POLICY IMPLICATIONS

Operations and activities are undertaken in accordance with Council policies.

The development of a Waste Management Strategy for City of Darwin is underway, which will also result in a new Waste Management Policy. These documents will include options and plans for Council to increase waste diversion and recycling within the municipality.

BUDGET AND RESOURCE IMPLICATIONS

All activities are carried out within budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Nil

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ENVIRONMENTAL IMPLICATIONS

Operations are conducted to minimise impacts on the environment through recycling initiatives, salvaging works and gas extraction from the landfill.

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.

NADINE NILON
MANAGER TECHNICAL
SERVICES

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

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OPEN SECTION

E&I07/8

Environment & Infrastructure Committee Meeting – Tuesday, 19 July 2016

11. INFORMATION ITEMS

Nil

12. GENERAL BUSINESS

12.1 Astro Turf at the Nightcliff Foreshore Cafe Common No. 2191683

THAT astro turf be laid at the Nightcliff Foreshore Café to replace the grass that has failed and died.

13. CLOSURE OF MEETING