

OPEN SECTION

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DARWIN CITY COUNCIL

ENVIRONMENT & INFRASTRUCTURE COMMITTEE

MONDAY FEBRUARY 2011

MEMBERS: Member R K Elix (Chairman); The Right Worshipful, The Lord Mayor, Mr G R Sawyer, Member J D Bailey; Member R M Knox; Member H D Sjoberg.

OFFICERS: Chief Executive Officer, Mr B Dowd; General Manager Infrastructure, Mr L Cercarelli; Executive Manager, Mr M Blackburn; Manager Climate Change & Environment, Mrs P Robinson; Manager Design, Planning and Projects, Mr D Lelekis; Manager Infrastructure Maintenance, Mr K Smith; Team Coordinator Development & Waste Management, Mrs J Welshman; Executive Officer, Miss Arweena 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

- | | |
|----------------------------|----------------------|
| * Car Parking | * Public Facilities |
| * Council Buildings | * Roads |
| * Drainage | * Street Lighting |
| * Environmental Management | * Traffic Management |
| * Parks and Reserves | * Urban Enhancement |
| * Plant Management | * Waste Management |

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Environment & Infrastructure Committee Meeting - Monday, February 2011

1 MEETING DECLARED OPEN

2 APOLOGIES AND LEAVE OF ABSENCE

2.1 Apologies

THAT the apology from Member _____, be received and a Leave of Absence be granted

DECISION NO.20\() (14/02/11)

2.2 Leave of Absence Granted

THAT it be noted that Member J D Bailey is an apology due to a Leave of Absence being previously granted on 8 February 2011 for the period 9 February 2011 to 23 February 2011.

DECISION NO.20\() (14/02/11)

3 ELECTED MEMBERS CONFLICT OF INTEREST DECLARATION

4 CONFIDENTIAL ITEMS

Nil

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Environment & Infrastructure Committee Meeting - Monday, February 2011**5 WITHDRAWAL OF ITEMS FOR DISCUSSION****COMMITTEE'S DECISION**

THAT the Committee resolve under delegated authority that all Information Items and Officers Reports to the Environment & Infrastructure Committee Meeting held on Monday, 14 February 2011, be received and all recommendations contained therein be adopted by general consent with the exception of Item Number

DECISION NO.20\() (14/02/11)

6 CONFIRMATION OF MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING**COMMITTEE'S DECISION**

THAT the Committee resolve that the minutes of the previous Environment & Infrastructure Committee Meeting held on Monday, 22 November 2010, tabled by the Chairman, be received and confirmed as a true and correct record of the proceedings of that meeting.

DECISION NO.20\() (14/02/11)

7 BUSINESS ARISING FROM THE MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE MEETING**7.1 Business Arising**

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Environment & Infrastructure Committee Meeting - Monday, February 2011

8 INFORMATION ITEMS

Nil

ENCL: NO

DARWIN CITY COUNCIL

DATE: 31/12/2010

REPORTTO: ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN

APPROVED: MB

FROM: EXECUTIVE MANAGER

APPROVED: PR

REPORT NO: 10TS0243PR

COMMON NO: 1792647

SUBJECT: CLIMATE CHANGE & ENVIRONMENT TEAM REPORT UPDATE -
DECEMBER 2010/JANUARY 2011

ITEM NO: 9.1

SYNOPSIS:

This report provides Council with an update on activities undertaken within the Climate Change & Environment Section during the month of December 2010 – January 2011 and is presented for Council's information.

GENERAL:

This Report provides Council with a snapshot of completed projects, current planning being undertaken showing the variety of some of the activities, both current and projected, being undertaken through a range of proposals and projects. The Report also highlights some additional and current items of interest in relation to the Climate Change and Environment Section's undertakings.

Council recognition of the International Year of Biodiversity.**East Point Reserve Community Planting Day – 11 December 2010**

With the attendance of 70 people at the East Point Reserve Community Planting Day, Council was able to successfully plant a total of 2400 plants being of 8 different species.

With the preparation work provided ahead of time by the Parks Section it allowed the planting process to run very efficiently. A marquee provided sanctuary for 'time out' of the constant rain, along with an opportunity for Climate Change & Environment to display our section and speak about environmental matters with the public. Other informative displays were provided by the Natural Resource Management Board NT, Greening Australia NT, Environment Centre NT and Conservation Volunteers Australia. The event was launched by the Lord Mayor following a "Welcome to Country" by Lorraine Williams who later provided a Larrakia Mangrove Walk for attendees.

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DECEMBER 2010/JANUARY 2011

A BBQ cooked by the Aero modellers Club and drinks were supplied during the morning. As an added incentive Climate Change & Environment provided 2 x \$30 Bunning Vouchers for the family/group and individual who planted the most plants on the day. The family winners were The Saynor Family who planted an impressive 93 plants and staff member Meredith Newall who planted 50 plants.

ABC radio Saturday morning 'Gardening Show' provided Council and the Community Planting day with approximately an hour's coverage with on location interviews by broadcaster Richard Margetson and through promotion at the ABC studio during the Gardening Show.

Climate Change Action Plan 2011 - 2010

Work is progressing on the Climate Change Action Plan 2010-2020. A review by the Chief Officers Group is currently underway. Following their comments, the Climate Change and Environment Advisory Committee will be given an opportunity to provide final comments (the Advisory Committee provided initial comment through a Workshop in 2010).

Water Quality

Water quality monitoring of Council's recreational water bodies and stormwater discharges continued throughout the reporting period in accordance with the requirements of Council's water quality monitoring plans.

Lake Alexander

Lake Alexander was closed to swimming from the 20th to the 24th of December due to elevated levels of E.coli and Enterococci detected through regular water quality monitoring. The resulting sanitary inspection did not reveal any obvious sources of the contamination. All subsequent samples taken from the lake to date have returned good results.

Gardens Park Golf Links

The Gardens Park Lake Management Plan developed by URS Australia Pty Ltd has been completed. A water quality monitoring program has been developed based on the recommendations contained in the management plan. The implementation of the water quality monitoring plan for the Gardens Park Golf Links Lakes is scheduled to commence in the 2011-2012 financial year subject to budget availability. The current monitoring regime of monthly bacteriological sampling of the lake will continue.

Stormwater Monitoring

A comprehensive stormwater monitoring plan has been developed to assess trends in stormwater pollutant loads entering Darwin Harbour and their seasonal variations,

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 SUBJECT: CLIMATE CHANGE & ENVIRONMENT TEAM REPORT UPDATE -
 DECEMBER 2010/JANUARY 2011

in order to determine to what extent the pathogens *E.coli* and *Enterococci* and nutrients carried in stormwater are having on the levels of these pollutants being detected along Darwin beaches. Stormwater discharge is being sampled and measured in accordance with the monitoring plan through the wet season and into the dry, flows permitting. An assessment and report of the overall stormwater water quality will be presented once sufficient data has been collected and analysed.

Student visit from Linfield College, Oregon USA.

18 Environmental students from Linfield College, Oregon, USA were welcomed by Acting Lord Mayor, Alderman Heather Sjoberg on 7 January.

The students and their lecturer were accompanied by their hosts Mr. John Sinclair, internationally recognised conservationist and Mr. Ian Morris, acclaimed naturalist, both of Darwin and who jointly run eco-safaris. The students were on an international assignment with all activities undertaken gaining credits for their course work. All presentations and information therefore were required to be of lecture standard.

A Power Point presentation covering Climate Change and natural resource management, noting priorities for Council within the municipality and work undertaken in partnership with other agencies in the wider Darwin region was provided to the assembled group. A light lunch and interactive discussion in regards to shared environmental information between the two countries, completed their visit.

FINANCIAL IMPLICATIONS:

Undertaken within the Climate Change and Environment Budget

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

1 Achieve Effective Partnerships and Engage in Collaborative Relationships

Outcome

1.2 Effectively engage with community

Key Strategies

1.2.2 Develop ways in which Council can enhance relationships and work collaboratively with Community Groups

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 REPORT NUMBER: 10TS0243PR
 SUBJECT: CLIMATE CHANGE & ENVIRONMENT TEAM REPORT UPDATE -
 DECEMBER 2010/JANUARY 2011

Goal

4 Create and Maintain an Environmentally Sustainable City

Outcome

4.4 Enhance, preserve and protect the Darwin environment

Key Strategies

4.4.2 Enhance water quality, ecological systems and biodiversity in Darwin

LEGAL IMPLICATIONS:

Nil

ENVIRONMENTAL IMPLICATIONS:

Positive and described within the body of this report.

PUBLIC RELATIONS IMPLICATIONS:

Positive. Activities listed provide a positive response to the priorities listed in the Climate Change and Environment Action Plan 2009-2012.

The Darwin community, along with interstate and international visitors can see Darwin City Council providing leadership and partnership to projects and activities which are focused to provide positive Climate Change adaptation and environmental outcomes for the municipality and the wider Darwin area.

COMMUNITY SAFETY IMPLICATIONS:

Nil

DELEGATION:

Nil

CONSULTATION:

Nil

PROPOSED PUBLIC CONSULTATION PROCESS:

Council, through its website, and range of media releases are bringing important events and activities to public attention.

APPROPRIATE SIGNAGE

Nil

PAGE: 5
REPORT NUMBER: 10TS0243PR
SUBJECT: CLIMATE CHANGE & ENVIRONMENT TEAM REPORT UPDATE -
DECEMBER 2010/JANUARY 2011

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

THAT Report Number 10TS0243PR entitled Climate Change & Environment Team Report Update - December 2010/January 2011, be received and noted.

PAM ROBINSON
MANAGER CLIMATE CHANGE &
ENVIRONMENT

MARK BLACKBURN
EXECUTIVE MANAGER

Any queries on this report may be directed to Pam Robinson on 89300618 or
p.robinson@darwin.nt.gov.au

ENCL: NO

DARWIN CITY COUNCIL

DATE: 03/02/2011

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** DL

FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** LC

REPORT NO: 11TS0034:DL:kab

COMMON NO: 1832896

SUBJECT: INFRASTRUCTURE - DESIGN, PLANNING & PROJECTS – DECEMBER 2010 QUARTERLY REPORT

ITEM NO: 9.2

SYNOPSIS:

The report provides an update on the activities of the Design, Planning & Projects section for the October to December 2010 quarter.

GENERAL:

The following is a highlight of activities which have occurred in the section and is provided for Council's information.

- Design/documentation for the Cavenagh Street Roads to Recovery Road Pavement Reconstruction project, is nearing completion.
- Public Consultation has commenced on the Cavenagh Street Renewal proposal and will conclude on 16 March 2011 at which time Council will consider the outcomes.
- Design on the Federal Black Spot funded upgrade of the intersection of Woods Street and Lindsay Street is complete and it is envisaged that construction works will commence at the end of the current Wet Season.
- Design work on various Local Area Traffic Management (LATM) projects is completed and construction works will be undertaken when weather permits.
- Various traffic report assessments associated with development applications and proposals within the Darwin Municipality have been undertaken.
- Completion of construction on the most significant elements of the of MY0800 Darwin City Revitalisation Project – the upgrades of The Mall and Raintree Park.
- Work is being undertaken on developing a Road and Local Area Prioritisation model to identify and prioritise roads and Local Areas requiring treatment and to assist in the management and improvement of safety of roads within Council's jurisdiction.

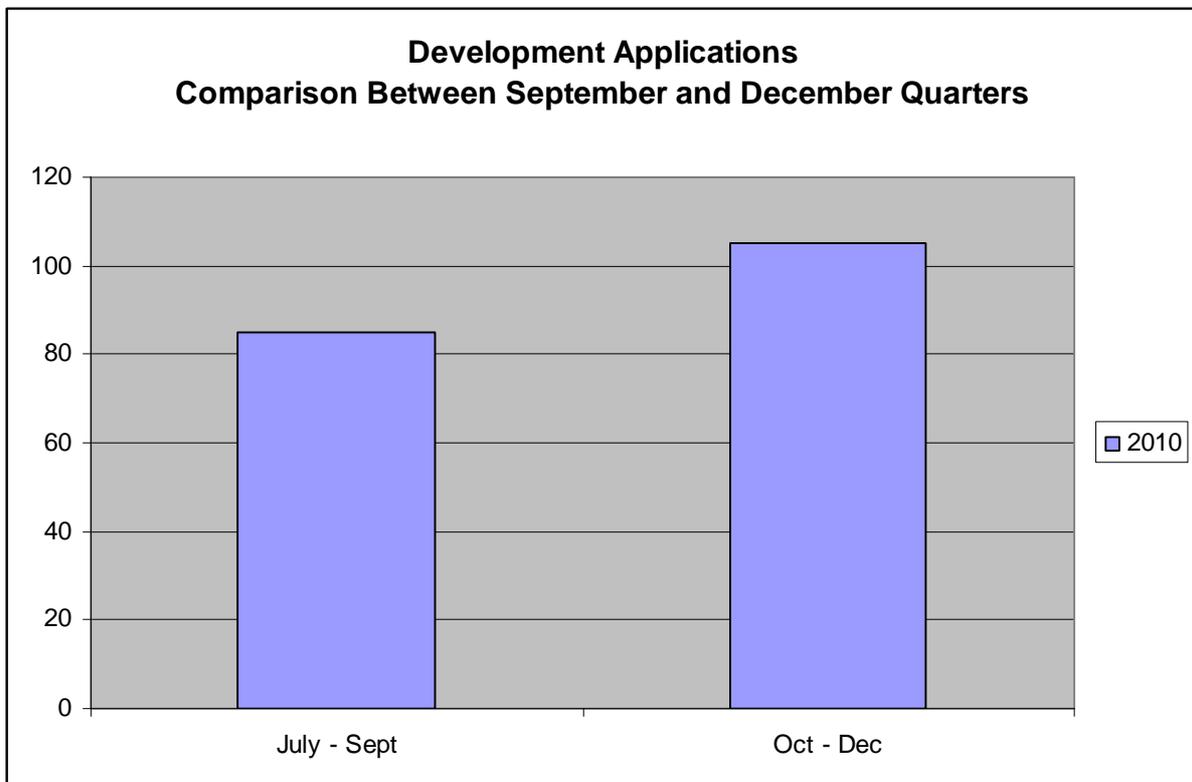
- The review of the pedestrian phasing associated with the traffic signals at the Mitchell Street/Knuckey Street intersection was completed. A separate report will be submitted to Council.
- Council and the CBD Parking Advisory Committee endorsed the CBD Parking Strategy Brief. Public submissions for the brief will be called in February 2011.

Development Applications

The Town Planning Committee endorsed 105 letters in response to Development Applications for the Darwin Municipality in the December quarter 2010.

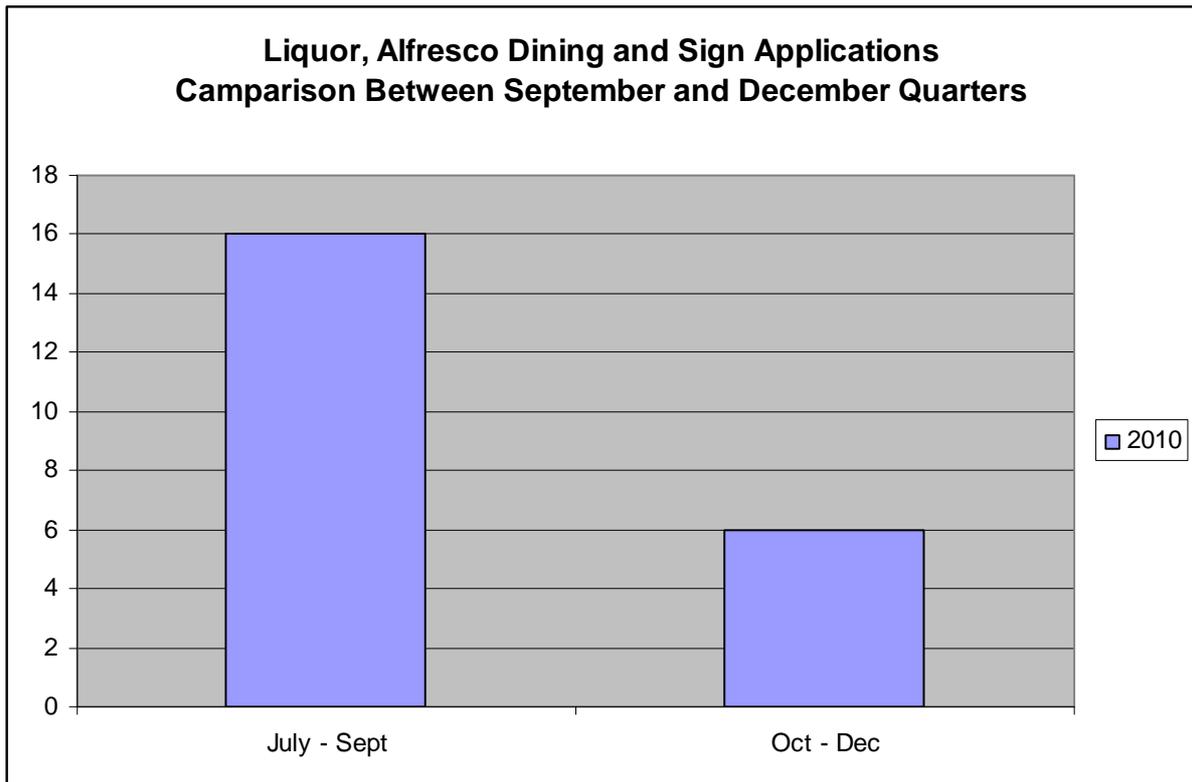
Of these applications, 16 required reports to the Committee to assess the subject proposals against the NT Planning Scheme as well as determining the responsibilities of Council under the Local Government Act. In addition 3 reports and letters were in response to Planning Scheme Amendments to the NT Planning scheme and required reports to the Committee on the implications for Council as a result of proposed rezonings.

Two (2) reports on applications were heard at 1st Ordinary Meetings of Council in order for Council to endorse letters in a timely manner to Development Assessment Services due to the fortnightly meeting schedule of the Development Consent Authority.



Liquor Licences, Alfresco Dining and Sign Applications

A total of 6 applications on Signs, Alfresco Dining and Liquor Licences were prepared in the December quarter and considered by Council. Of these, there were no Liquor Licence applications, 6 were applications for Signs and there were no applications for Alfresco Dining. There were a total of 7 complaints, 1 application for Footpath Dining and one application for Place Names.



Other Planning Reports

A report outlining a proposal Council Town Planning workshop was considered by Council.

FINANCIAL IMPLICATIONS:

All activities are being undertaken within approved budgets.

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 REPORT NUMBER: 11TS0034:DL:kab
 SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – DECEMBER
 2010 QUARTERLY REPORT

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

1 Achieve Effective Partnerships and Engage in Collaborative Relationships

Outcome

1.1 Improve relations with all levels of Government

Key Strategies

1.1.3 Develop partnerships and joint projects with other levels of government

1.1.4 Play a strategic role in the planning and developmental processes that impact Darwin

Goal

2 Enhance Darwin's Active, Positive and Flexible Lifestyle

Outcome

2.1 Improve urban enhancement around Darwin

Key Strategies

2.1.4 Provide a clean and liveable municipality

Outcome

2.2 Increase recreational, cultural and heritage experiences

Key Strategies

2.2.3 Provide facilities to encourage safe cycling and walking

Goal

3 Assist Individuals and the Community Stay Connected with the Darwin Region

Outcome

3.1 Promote the use of public spaces

Key Strategies

3.1.1 Enhance public spaces and encourage greater use by the community

Outcome

3.2 Enhance transport systems

Key Strategies

3.2.3 Continue to manage and maintain the municipality pathway and cycleway network and infrastructure to a standard that meets the needs of the community

LEGAL IMPLICATIONS:

Not assessed.

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REPORT NUMBER: 11TS0034:DL:kab
SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – DECEMBER
2010 QUARTERLY REPORT

ENVIRONMENTAL IMPLICATIONS:

Not assessed.

PUBLIC RELATIONS IMPLICATIONS:

Not assessed.

COMMUNITY SAFETY IMPLICATIONS:

Not assessed.

DELEGATION:

Nil.

CONSULTATION:

Not assessed.

PROPOSED PUBLIC CONSULTATION PROCESS:

Not assessed.

APPROPRIATE SIGNAGE

Not assessed.

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

THAT Report Number 11TS0034:DL:kab entitled Infrastructure – Design, Planning & Projects – December 2010 Quarterly Report, be received and noted.

DROSSO LELEKIS
MANAGER DESIGN PLANNING &
PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Drosso Lelekis on 8930 0414 or
d.lelekis@darwin.nt.gov.au

ENCL: NO

DARWIN CITY COUNCIL

DATE: 05/01/2010

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN

APPROVED: KS

FROM: GENERAL MANAGER INFRASTRUCTURE

APPROVED: LC

REPORT NO: 11TS0011KS:nf

COMMON NO: 1887505

SUBJECT: INFRASTRUCTURE MAINTENANCE – DECEMBER 2010 QUARTERLY REPORT

ITEM NO: 9.3

SYNOPSIS:

This report provides an update on infrastructure maintenance activities for the 2nd quarter (October – December) of 2010/11.

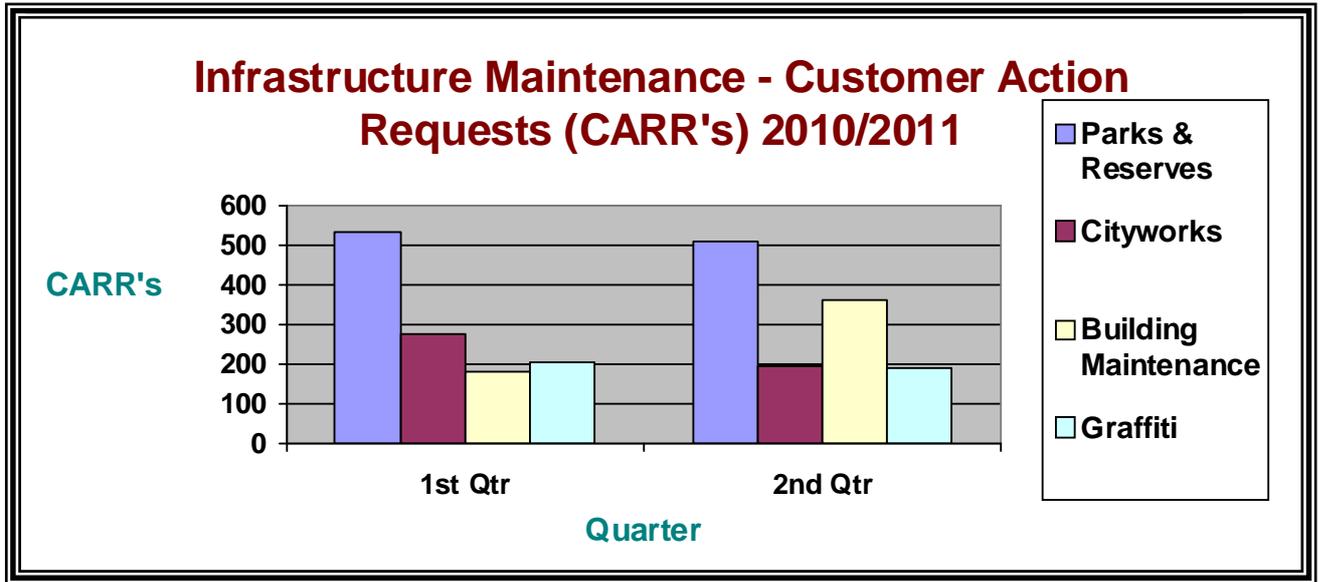
GENERAL:

The following information provides a broad snapshot of activities and tasks undertaken through the Council Operations Centre and provides some understanding of the variety and capacity of work completed within the unit.

The Infrastructure Maintenance section completes routine, programmed and reactive maintenance tasks to ensure Councils 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 are completed with in-house staff and contractors. A brief analysis of works completed in the quarter to 31 December 2010 is as follows.

Activities within the quarter have been significantly influenced by the onset of the significant wet season with Darwin receiving some record rainfalls in the quarter.

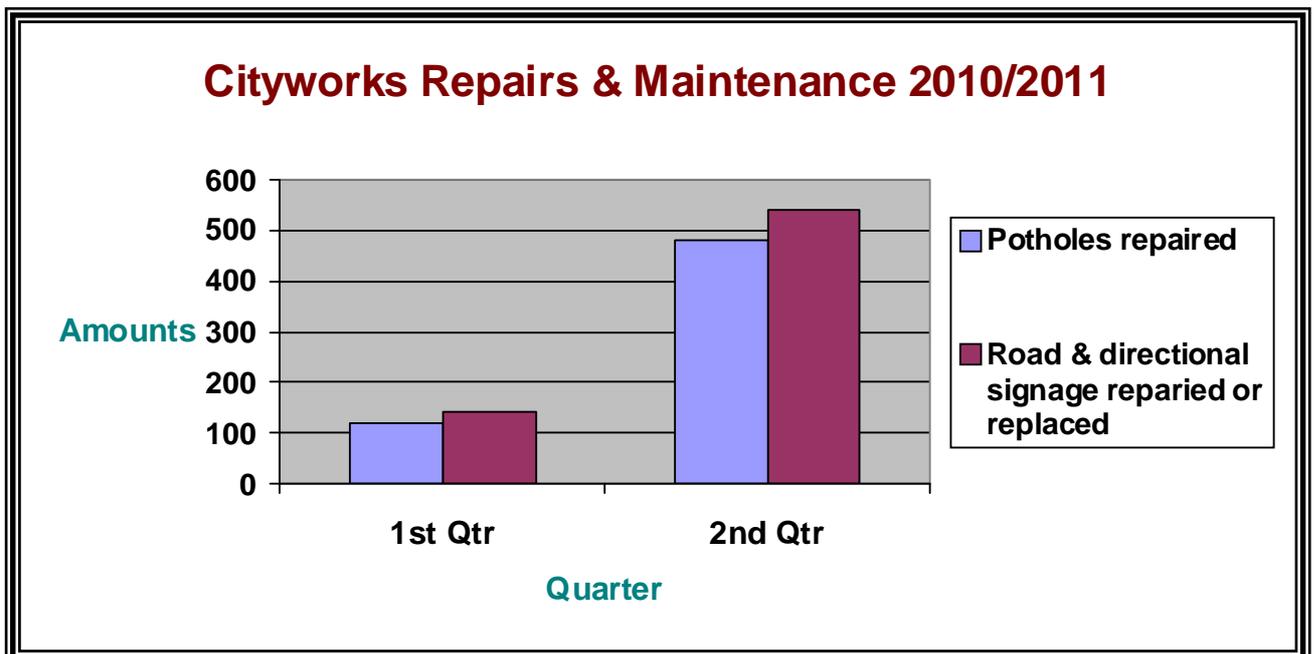


Cityworks

The section actioned approximately 194 Customer Action Requests over the quarter in addition to normal maintenance tasks. The following is a brief summary of activities for the quarter.

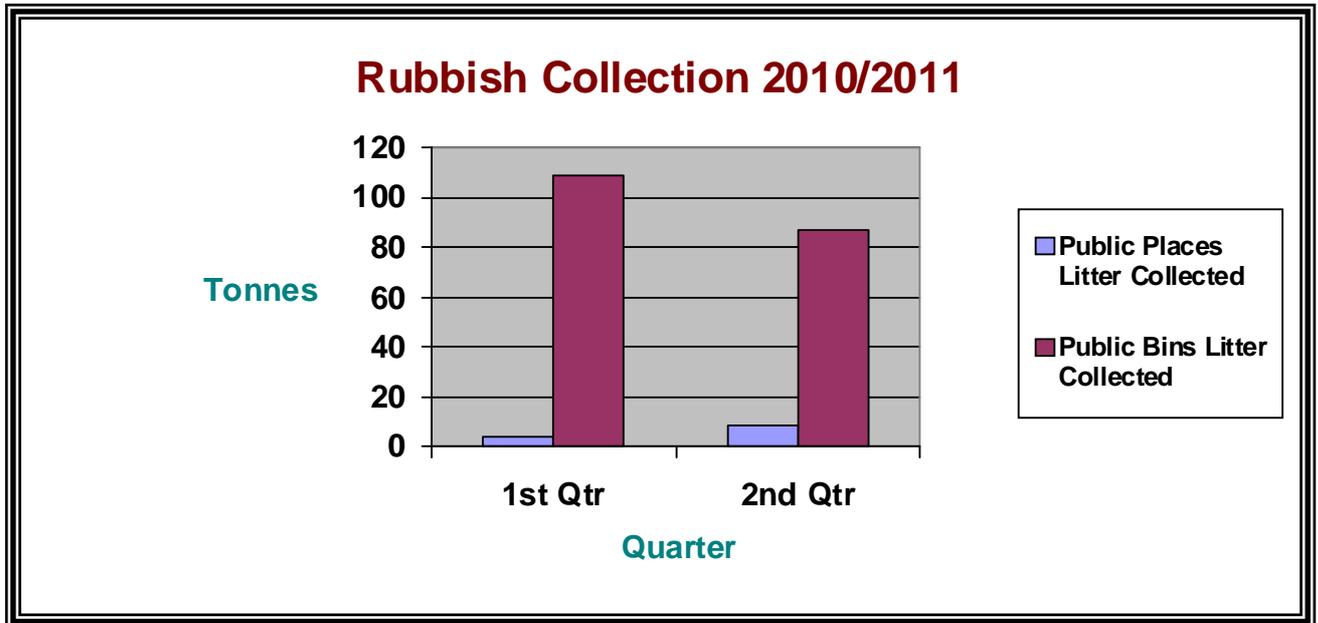
Repairs and Maintenance

- Footpath repairs completed - approximately 1000 linear metres
- Potholes repaired - approximately 480
- Storm Water Drains cleaned – 385 linear metres
- Road and directional signage – 540 repaired or replaced



PAGE: 3
 REPORT NUMBER: 11TS0011KS:nf
 SUBJECT: INFRASTRUCTURE MAINTENANCE – DECEMBER 2010 QUARTERLY REPORT

- Foot patrols through the CBD and foreshore's picking up litter, removed approximately 8.3 tonnes of rubbish.
- 2,482 street bins were emptied resulting in 87.1 tonnes of rubbish being removed.



Capital works programs for the quarter

- New footpath installed – Approximately 2 kilometers (2,400 square metres)
- Road surface resealed – Approximately 1.42 kilometers (8,489 square metres)
- Road surface over laid – Nil

Major works programmed within the next quarter

- Road resealing program
- Major road failure patch out including Gilruth Ave, Esplanade, Progress Drive, Rapid Creek Road
- Footpath construction/reconstruction program
- Line marking program

Parks and Reserves

Parks and Reserves Section actively maintains approximately 574 hectares of open space. The section actioned 509 Customer Action Requests over the quarter in addition to normal maintenance tasks. These requests covered irrigation repairs, vandalism repairs, grass cutting and verge maintenance, tree pruning/stump grinding/removals, fence repairs, litter collection and playground maintenance.

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 SUBJECT: INFRASTRUCTURE MAINTENANCE – DECEMBER 2010 QUARTERLY REPORT

The Parks and Reserves are divided into precinct areas for the purposes of maintenance as follows:

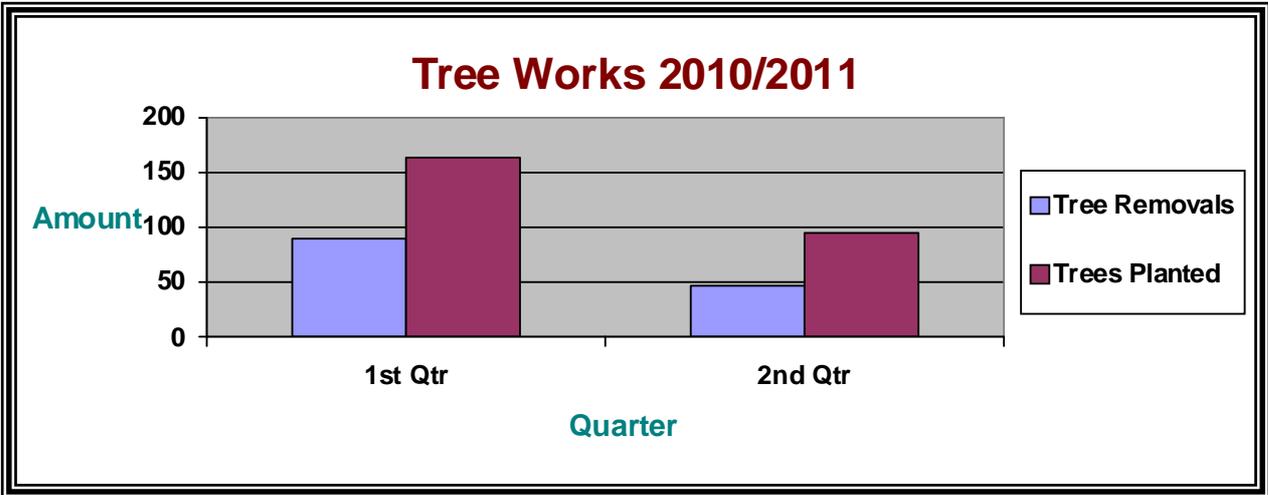
- The CBD precinct maintains 132 hectares in 202 separate areas of parkland, ovals, road reserve, roundabouts, shopping centre garden beds and street gardens throughout the suburbs of Darwin CBD, Larrakeyah, Bayview, Stuart Park, The Gardens, Parap, Woolner, Fannie Bay and Winnellie.
- The Central Precinct team maintains 117 hectares in 152 separate areas throughout Nightcliff, Coconut Grove, Rapid Creek, Jingili, Moil, Wagaman, Alawa, Nakara, Wanguri and Tiwi.
- The Urban Bushland team are responsible for weed control/herbicide application, litter control, planting programs, revegetation and walking trail maintenance to approximately 103 hectares of area.
- The Northern Precinct team maintains 222 hectares in 85 separately identified areas throughout Anula, Wulagi, Leanyer, Malak, Karama and Berrimah.
- The turf and irrigation team maintains all irrigation systems at approximately 400 sites and 17 active sports reserves within the Municipality.

Some highlights for the quarter include:

- Transplant of semi-maintenance *Allosyncarpia ternata* tree into The Mall as part of the MY0800 project
- The Mall upgrade project elements
- Supply of 8 advanced *Allosyncarpia ternata* for MY0800 which had been nurtured and on-grown at the Council Operations Centre
- Malak, Dinah Beach, Wulagi and Chrisp St Oval irrigation upgrades
- Bollards installed at Dudley Point, Lake Alexander and Koolinda Park
- East Point Community Planting Day – biodiversity planting in conjunction with Climate Change and Environment and Community volunteers
- Yardstick Customer Satisfaction Survey Undertaken
- Landscaping project at Casuarina Library

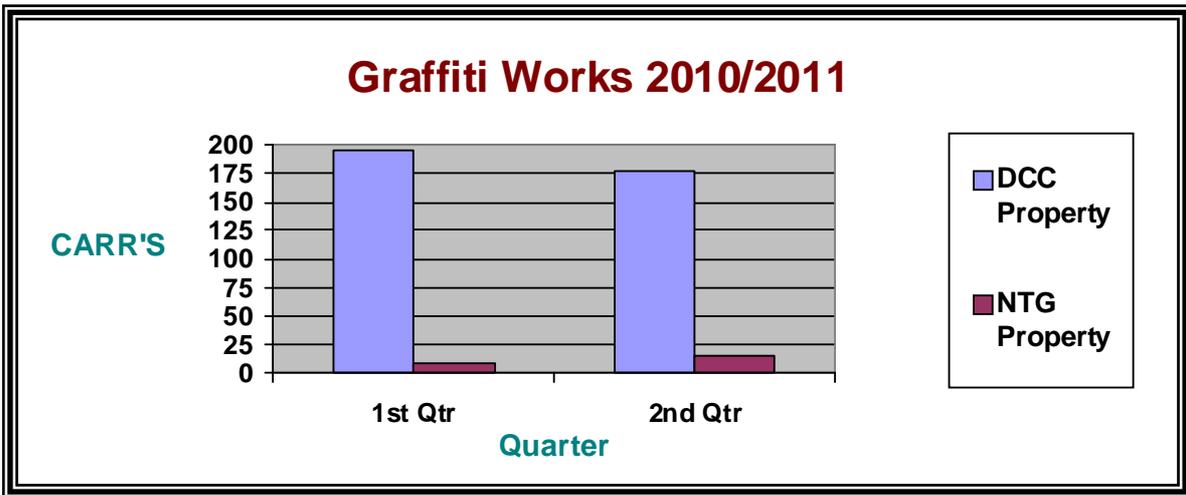
URBAN FOREST MANAGEMENT

- 95 trees planted within the quarter with 46 trees removed in the quarter
- 35 advanced tree stock (75ltr – 100 ltr) from Councils in-house Nursery
- 2400 trees planted on the East Point Community planting day



Building Services

Building services responded to approximately 362 Customer Action Requests over the quarter in addition to normal maintenance tasks. Graffiti officers actioned 193 Customer Action Requests over the quarter.

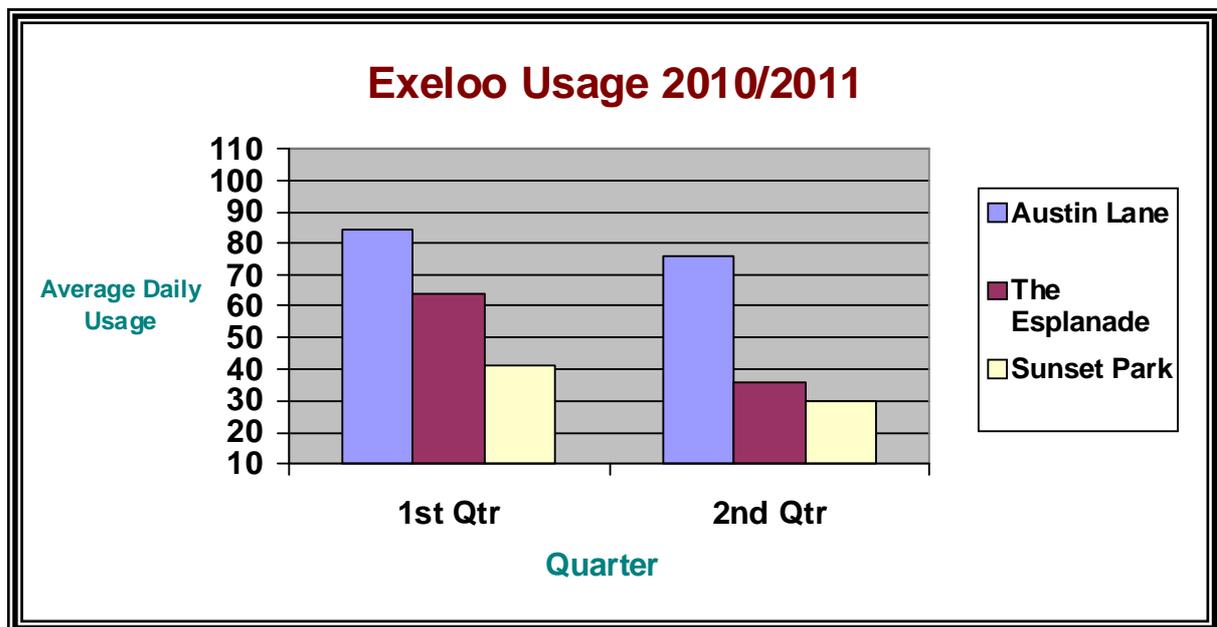


Exeloo Public Toilet Usage

Council operates six Exeloo toilets and three of these are automated to collect statistics on daily usage rates. These are;

- Austin Lane Exeloo – 76 uses per day average over the past quarter
- Esplanade Exeloo – 36 uses per day average over the past quarter
- Sunset Park Exeloo – 30 uses per day average over the past quarter

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 SUBJECT: INFRASTRUCTURE MAINTENANCE – DECEMBER 2010 QUARTERLY REPORT



Some highlights for the quarter include:

- Darwin Entertainment Centre painting of auditorium and playhouse Commenced mid December, completion mid January 2011
- New Exeloo on the Esplanade operational
- Upgrade of Casuarina Library meeting area completed
- Upgrade of Casuarina Library shade structure completed
- Upgrade of Nightcliff pool pump house completed
- Upgrade of Nightcliff child care centre bathroom completed

FINANCIAL IMPLICATIONS:

Infrastructure maintenance operates within the current operational and capital works budgets

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

2 Enhance Darwin's Active, Positive and Flexible Lifestyle

Outcome

2.1 Improve urban enhancement around Darwin

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SUBJECT: INFRASTRUCTURE MAINTENANCE – DECEMBER 2010 QUARTERLY REPORT

Key Strategies

- 2.1.1 Manage and maintain the municipal landscaping and infrastructure to a standard that meets community needs
- 2.1.2 Continue to implement the CBD Streetscape Strategy
- 2.1.4 Provide a clean and liveable municipality

LEGAL IMPLICATIONS:

Not assessed

ENVIRONMENTAL IMPLICATIONS:

Environmental consideration forms part of the quadruple bottom line reporting which guides service levels, procedures and work activities.

PUBLIC RELATIONS IMPLICATIONS:

Not assessed.

COMMUNITY SAFETY IMPLICATIONS:

Community Safety is an important element of the sections activities.

DELEGATION:

Not assessed

CONSULTATION:

Nil

PROPOSED PUBLIC CONSULTATION PROCESS:

Not assessed

APPROPRIATE SIGNAGE

Nil

PAGE: 8
REPORT NUMBER: 11TS0011KS:nf
SUBJECT: INFRASTRUCTURE MAINTENANCE – DECEMBER 2010 QUARTERLY
REPORT

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

THAT Report Number 11TS0011KS:nf entitled Infrastructure Maintenance – December 2010 Quarterly Report, be received and noted.

KERRY SMITH
MANAGER INFRASTRUCTURE
MAINTENANCE

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Kerry Smith on 08 8980 3654 or
k.smith@darwin.nt.gov.au

ENCL: NO

DARWIN CITY COUNCIL

DATE: 17/01/2011

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** ND

FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** LC

REPORT NO: 11TS0020ND:KB

COMMON NO: 1832912

SUBJECT: ASSET MANAGEMENT – DECEMBER 2010 QUARTERLY REPORT

ITEM NO: 9.4

SYNOPSIS:

This report provides an update on the activities of the Asset Management Section for the September to December 2010 quarter.

GENERAL:

Council manages a total of \$692million (2009) of infrastructure assets including roads, stormwater drainage, pathways and buildings.

Council has in place and continues to develop its Asset Management Systems to ensure sustainable management of its assets into the future.

The following is a summary of activities which have occurred in the Asset Management Section which is provided to Council for information.

1. Data Collection and Maintenance Programs*Roads*

The four-yearly road condition survey and data collection was completed in the first half of 2010. The data has been analysed and modelled to determine a proposed 10 year works program. Field surveys of the results are currently occurring to verify the data and finalise a draft 10 year proactive roads program which is sustainable.

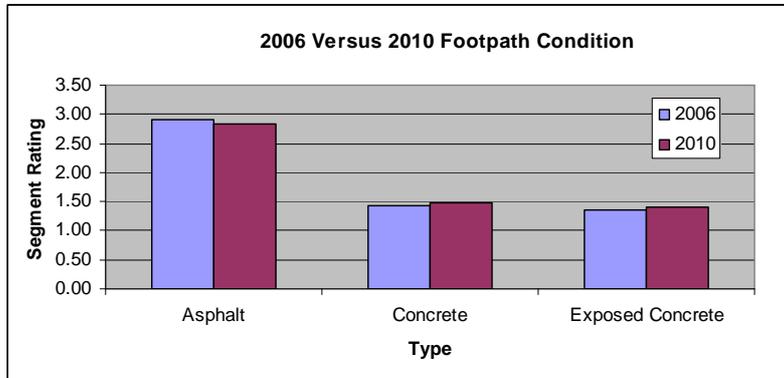
Pathways and Driveways

A condition survey of the 50% network has been completed and the representative data is currently being analysed.

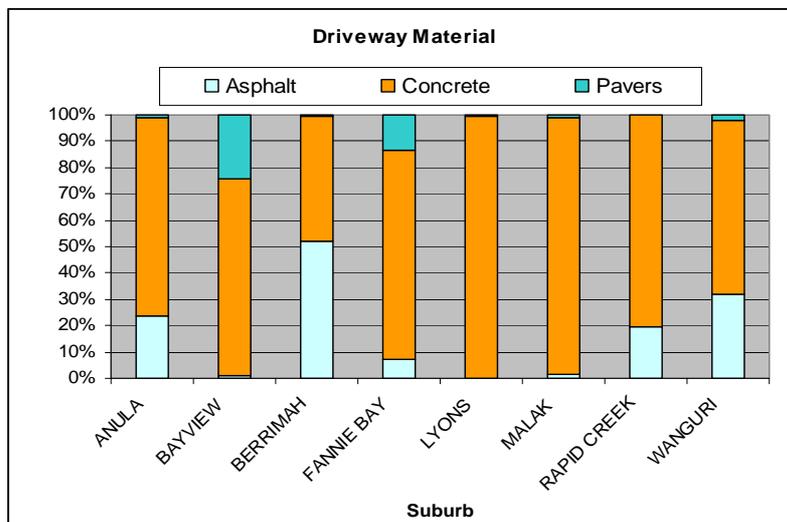
The data will now be used to determine a forward works programs for the entire municipality as it representative of the entire network condition.

The data has also been updated to reflect where and what type of footpaths exist throughout the municipality.

Analysis of the survey data is indicating that the current budgets and programs are maintaining the footpath network at a consistent condition. A rating of 1 is for ‘as-new’ condition and 5 is for replacement, Council’s current service level requires all footpaths to be at a level 4 or better. The table below shows that all concrete and asphalt footpaths are meeting the current condition service level. This table is purely overall condition based analysis, and doesn’t reflect specific locations of footpaths. Council has data relating to specific issues and their data is being analysed and will be used to plan works.



Another example of the data is the types of driveways within each suburb. As shown below, the newer suburbs such as Lyons are almost entirely constructed in concrete. In the older suburbs such as Wanguri, asphalt was the original material, as the asphalt has reached the end of its service life, the driveways have been replaced with concrete. This information is useful in developing a four-year works program of both new construction and reconstruction works.



Further work will be undertaken over coming months to analysis and interpret the data and plan forward works.

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REPORT NUMBER: 11TS0020ND:KB
SUBJECT: ASSET MANAGEMENT – DECEMBER 2010 QUARTERLY REPORT

Buildings

The condition survey of 26 of Council's 109 buildings was completed in the first half of 2010. The data collected is being analysed and used to assist with developing the forward works program and formulating budget submissions.

Other Assets

- Stormwater – A tender was called for the Maintenance and CCTV Inspections of Pipes and the contract has been awarded to Mousellis & Sons.
- Walkways – The data structure for walkways has been revised and a infrastructure condition survey of all walkways is scheduled to commence in January 2011.

2. Revaluation of Assets

A revaluation of assets is required in 2011 as part of legislative requirements. The assets affected include:

- Roads (pavement, kerbs, roundabouts, traffic lights, carparks)
- Stormwater (pits, pipes, open drains)
- Pathways (cyclepaths, footpaths, driveways, walkways)

A review on the effective lives is being undertaken at present as part of this requirement.

3. Asset Management Sustainability Review

Work has continued on addressing the recommendations of the Asset Management Sustainability Review undertaken by Jeff Roorda and Associates (2009). The implementation of the recommendations will ensure Council has measures in place to maintain it's \$692million of assets and ensure continuous improvement of Council's systems.

The first Asset Management Steering Committee for 2010 was held in December. This Committee will oversee the progress of the Jeff Roorda and Associates Review recommendations, the implementation of Council's asset database and all other relevant asset management items.

FINANCIAL IMPLICATIONS:

All activities are being undertaken within approved budgets.

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 REPORT NUMBER: 11TS0020ND:KB
 SUBJECT: ASSET MANAGEMENT – DECEMBER 2010 QUARTERLY REPORT

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

7 Demonstrate Effective, Open and Responsible Governance

Outcome

7.1 Effective governance

Key Strategies

7.1.4 Apply a total asset management approach to Council assets

LEGAL IMPLICATIONS:

Addressing Council's legislative obligations.

ENVIRONMENTAL IMPLICATIONS:

Nil

PUBLIC RELATIONS IMPLICATIONS:

Positive implications as Council will be able to demonstrate responsible stewardship of the infrastructure assets under its care and control and provide an understanding to the community of what is required to successfully maintain and operate these assets within acceptable levels of service balanced against available funding.

COMMUNITY SAFETY IMPLICATIONS:

Positive as asset management practises such as asset condition surveys and the subsequent forward works programs identified in Asset Management Plans will lead to a long term strategy of providing safe and serviceable infrastructure assets for the community.

DELEGATION:

Nil

CONSULTATION:

Nil

PROPOSED PUBLIC CONSULTATION PROCESS:

Nil

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REPORT NUMBER: 11TS0020ND:KB
SUBJECT: ASSET MANAGEMENT – DECEMBER 2010 QUARTERLY REPORT

APPROPRIATE SIGNAGE

Nil

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

THAT Report Number 11TS0020ND:KB entitled Asset Management – December 2010 Quarterly Report, be received and noted.

NADINE DOUGLAS
MANAGER ASSETS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Nadine Douglas on 89300417 or n.douglas@darwin.nt.gov.au

ENCL: NO

DARWIN CITY COUNCIL

DATE: 02/02/2011

REPORTTO: ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN

APPROVED: SMCD

FROM: GENERAL MANAGER INFRASTRUCTURE

APPROVED: LC

REPORT NO: 11TS0038SMCD:KB

COMMON NO: 1541601

SUBJECT: CAPITAL WORKS – DECEMBER 2010 QUARTERLY REPORT

ITEM NO: 9.5

SYNOPSIS:

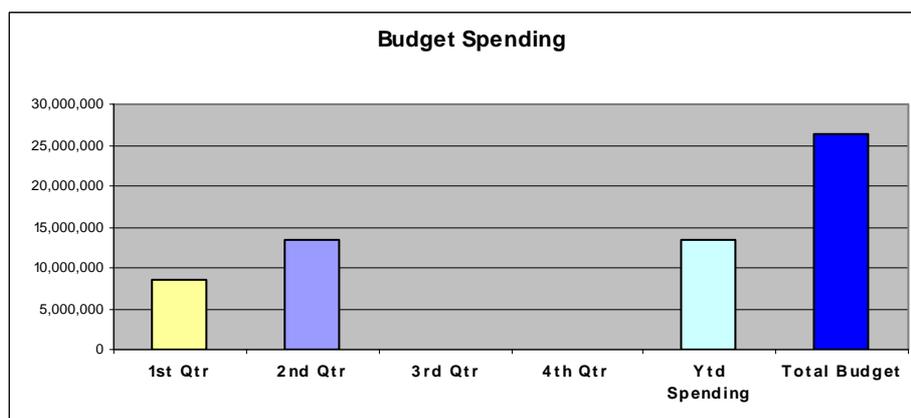
This report provides an update on the current status of Capital Works Projects within the 2010/2011 budget, as of 31 December 2010.

GENERAL:

Council's 2010/2011 Capital Works budget comprises the following:

Adopted 2010/2011 Capital Budget:	\$14,054,898
Carry-forwards from 2009/2010	\$11,739,942
1 st QTR Budget Variation	\$ 750,089
Total:	<u>\$26,544,929</u>

As of 31 December 2010, Council has committed or completed projects to the value of \$13,297,260 which represents 50% of the total capital budget.



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 REPORT NUMBER: 11TS0038SMCD:KB
 SUBJECT: CAPITAL WORKS – DECEMBER 2010 QUARTERLY REPORT

Darwin has received renewal rainfalls in the past quarter which has impacted on some of the completion times for projects.

As previously reported to Council, there are a number of significant carry forwards which are a result of issues including timing and funding, at times beyond Council's control, which meant they could not be completed in 2009/2010. A significant portion of these were commenced in 2009/2010. The projects include:

- MY0800 City Revitalisation
- Roads to Recovery
- Car Parking – Replacement CBD On-Street Parking Machines
- Connecting Darwin: Building New Cycle Linkages

Below is the status of some significant projects for 2010/2011;

- **Darwin City Revitalisation Project (MY0800): \$8million**

The Knuckey Street and Smith Street components of the project are complete and the construction of The Mall and Raintree Park components are substantially complete. Several additional items have been included into The Mall component, including a rebuild of the water furniture, LCD screens and speakers, solar panels street on-street intersection one of the structures and improved pedestrian crossing paths at Bennett Street and Smith Street.

- **Roads to Recovery: \$3.3million**

Design/documentation for the Cavenagh Street Roads to Recovery Road Pavement Reconstruction project, is nearing completion.

- **Car Parking – Replacement CBD On – Street Parking Machines estimate \$2.2million**

The replacement of the on-street car parking machines is complete.

- **Youth Precinct - \$1million**

A project Management team has been established with Council decisions pending.

- **Reseal Program – \$926,000**

Road reseal Tender has been awarded. The program will be undertaken between November 2010 - May 2011. Timing of works and completion date is subject to the weather.

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 REPORT NUMBER: 11TS0038SMCD:KB
 SUBJECT: CAPITAL WORKS – DECEMBER 2010 QUARTERLY REPORT

- **Pathway Program - \$947,000**

Council's pathway construction and reconstruction program has commenced. Approximately estimated that \$500,000 of work was completed by the end of December 2010. The balance of works will be completed by 30 June.

FINANCIAL IMPLICATIONS:

As detailed in the body of the report within the approved 2010 – 2011 Capital Works Budget.

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond'

Goal

7 Demonstrate Effective, Open and Responsible Governance

Outcome

7.1 Effective governance

Key Strategies

7.1.3 Manage Council's affairs based on a sustainable financial strategy

LEGAL IMPLICATIONS:

Not Assessed

ENVIRONMENTAL IMPLICATIONS:

Not Assessed

PUBLIC RELATIONS IMPLICATIONS:

Positive with the delivery of new or improved infrastructure to the community in a timely manner.

COMMUNITY SAFETY IMPLICATIONS:

Positive with the delivery of new or improved infrastructure.

DELEGATION:

Nil

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REPORT NUMBER: 11TS0038SMCD:KB
SUBJECT: CAPITAL WORKS – DECEMBER 2010 QUARTERLY REPORT

CONSULTATION:

Darwin City Council, Business Support Officer – Infrastructure
Darwin City Council, Financial Accountant

PROPOSED PUBLIC CONSULTATION PROCESS:

Consultation is being undertaken on a as required basis for each project.

APPROPRIATE SIGNAGE

Signage provided on a as required basis for each project.

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

THAT Report Number 11TS0038SMCD:KB entitled Capital Works – December 2010 Quarterly Report, be received and noted.

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Luccio Cercarelli on 89300581 or l.cercarelli@darwin.nt.gov.au

ENCL: NO

DARWIN CITY COUNCIL

DATE: 01/02/2011

REPORT

TO:	ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN	APPROVED:	MN
FROM:	GENERAL MANAGER INFRASTRUCTURE	APPROVED:	JW
REPORT NO:	11TS0028MN:KB	APPROVED:	LC
COMMON NO:	1738353		
SUBJECT:	WASTE AND RECYCLING OCTOBER – DECEMBER 2010 QUARTERLY REPORT		

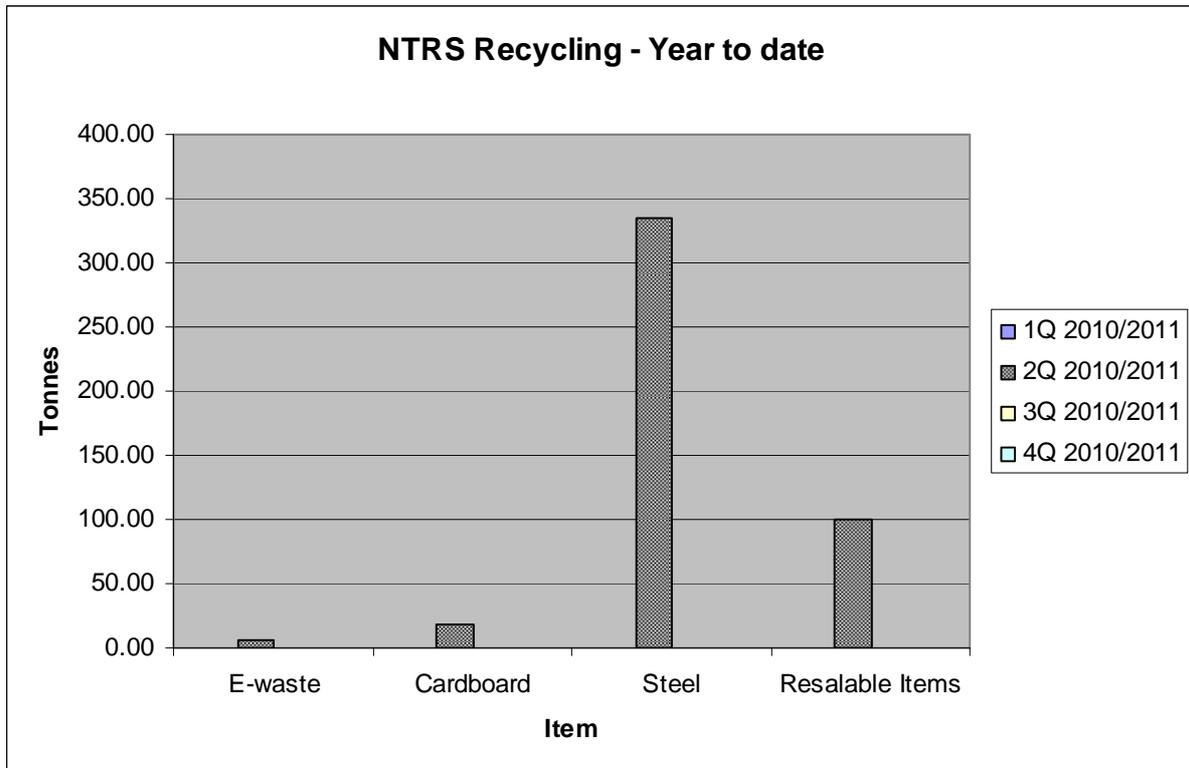
ITEM NO: 9.6**SYNOPSIS:**

This report provides an update on Council's waste management and recycling activities for the December 2010 quarter.

GENERAL:**Shoal Bay Waste Disposal Site****Recycling Operations**

- Northern Territory Recycling Solutions (NTRS) commenced operations providing recycling services at the Shoal Bay Waste Management Facility on 1 October 2010. NTRS is working with Council on implementing improvements to the operations and infrastructure at the facility.
- NTRS has instigated an e-waste and compact fluorescent lamps collection. Both collections are being utilised by Darwin residents with 6.69 tonnes of e-waste being collected as at the end of December. At the time of writing the report no data was available regarding the residential fluorescent lamp collection and these figures will be reported in future reports.
- Cardboard salvaged as part of the Recycling Shop contract totalled 17.68 tonnes in this quarter.
- NTRS recycled 334.3 tonne of steel during this quarter and recovered 99.26 tonnes of resalable items from landfill and the transfer station.
- Suitably qualified contractors have been engaged by NTRS to ensure all refrigerant containing units collected that aren't suitable for resale are degassed. 12.2kg of reclaimed refrigerants was sent for end treatment which equates to approximately 150 units.
- Work is continuing on improving education of the Community regarding recycling and chlorofluorocarbon (CFC's).

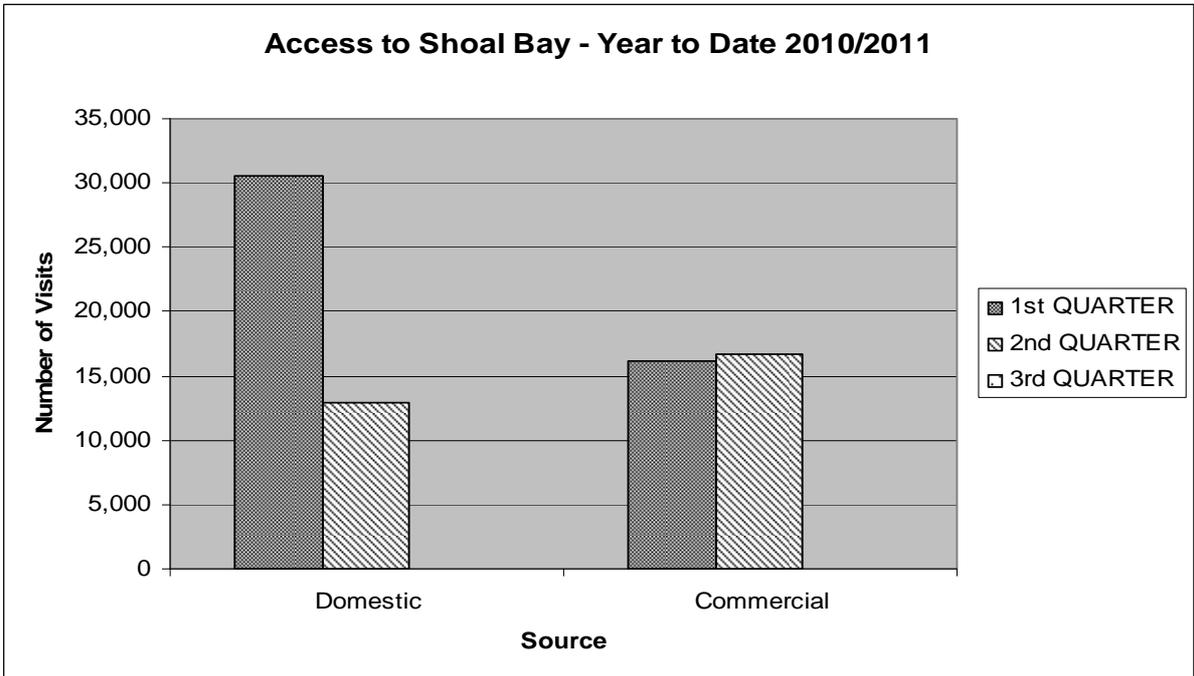
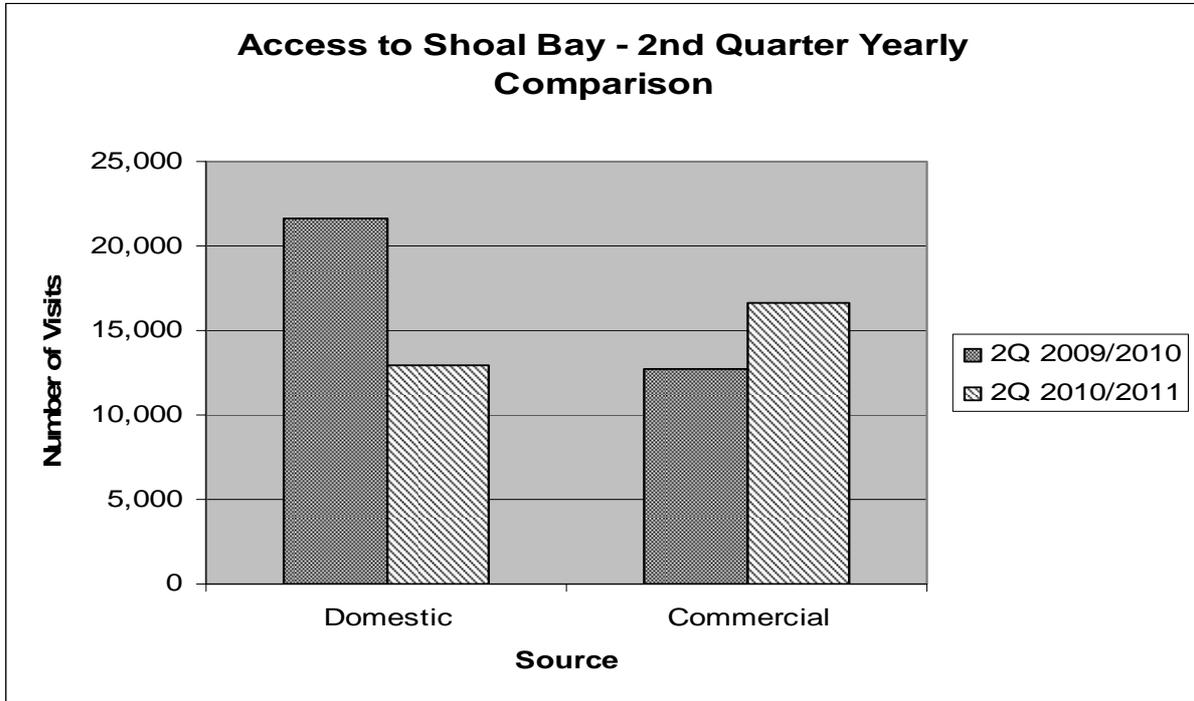
PAGE: 2
 REPORT NUMBER: 11TS0028MN:KB
 SUBJECT: WASTE AND RECYCLING OCTOBER – DECEMBER 2010 QUARTERLY REPORT



Landfill Operations

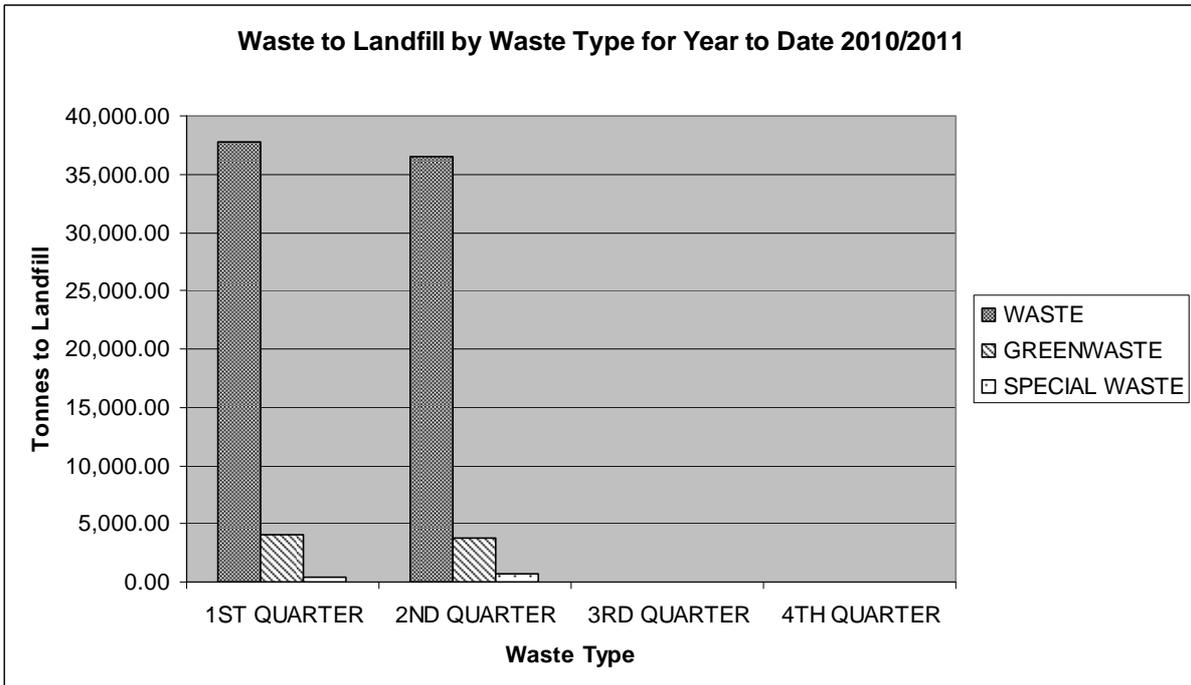
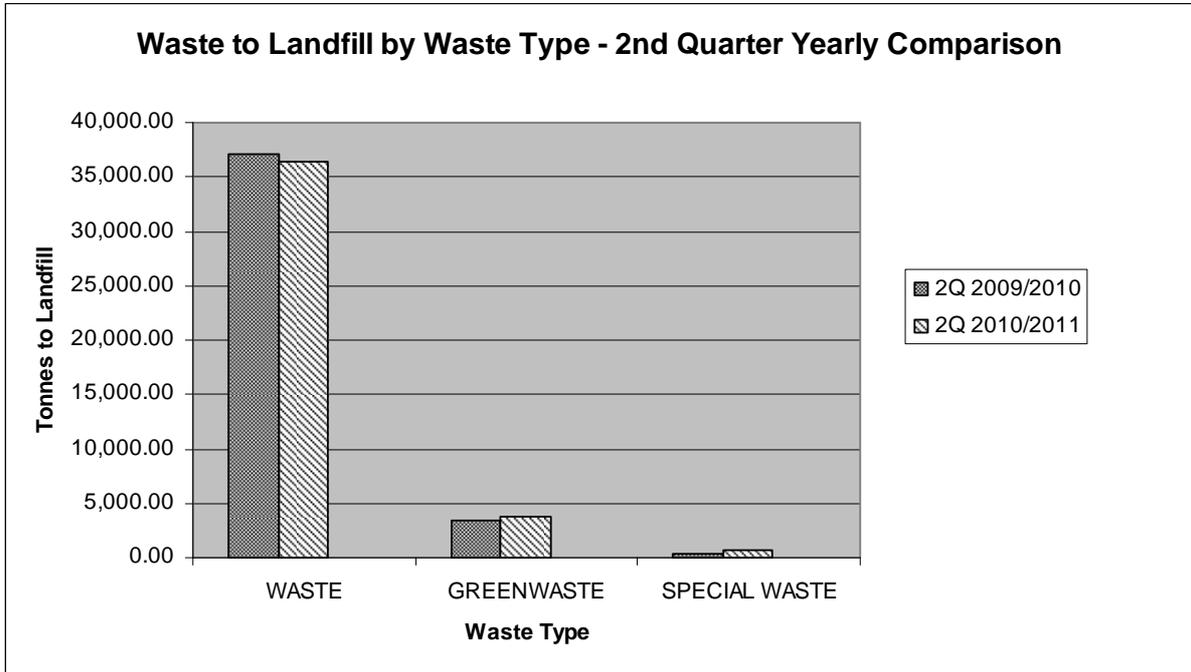
Access to Shoal Bay

- Works on the roof of the weighbridge have been completed prior to the wet season.
- In December the domestic boom gate was replaced due to the previous system being aged and failing on a continual basis.
- Domestic access to Shoal Bay was poorly recorded from late October until mid December. The below graph shows a decrease in visits from domestic users however the drop in numbers is due to the boom gate not being operational for extended period of time during this quarter.
- There has been a slight increase in the number of commercial users from the previous quarter.



Waste to Landfill by Waste Type

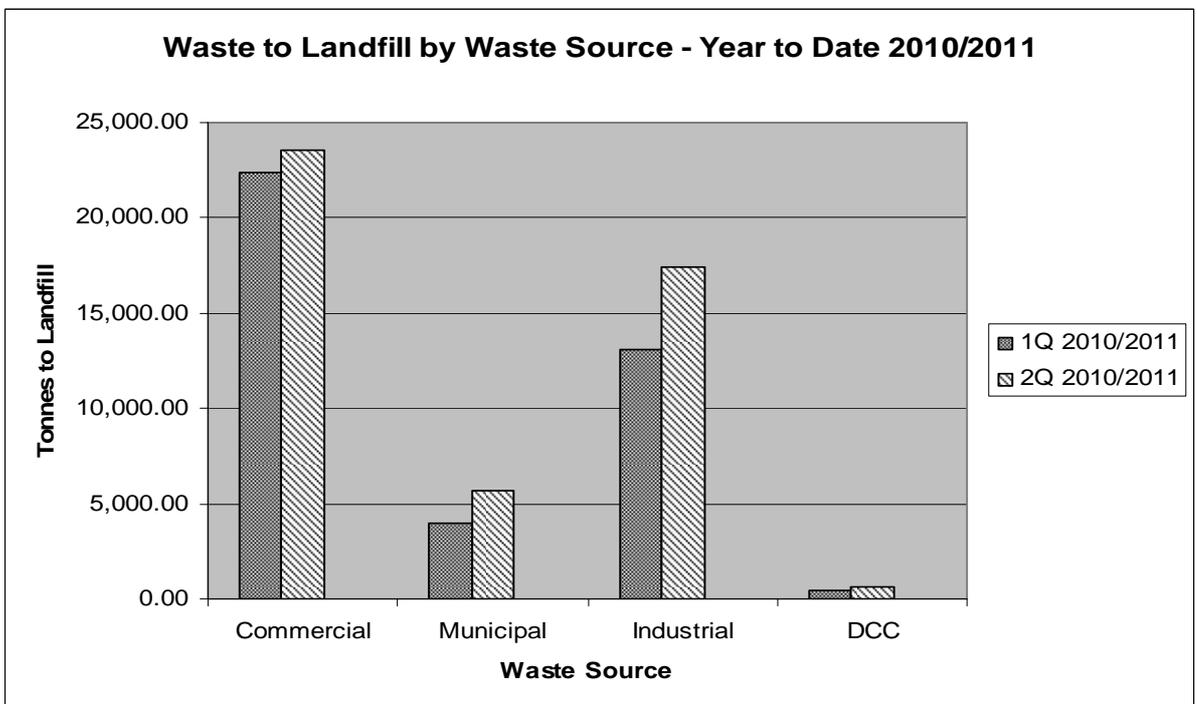
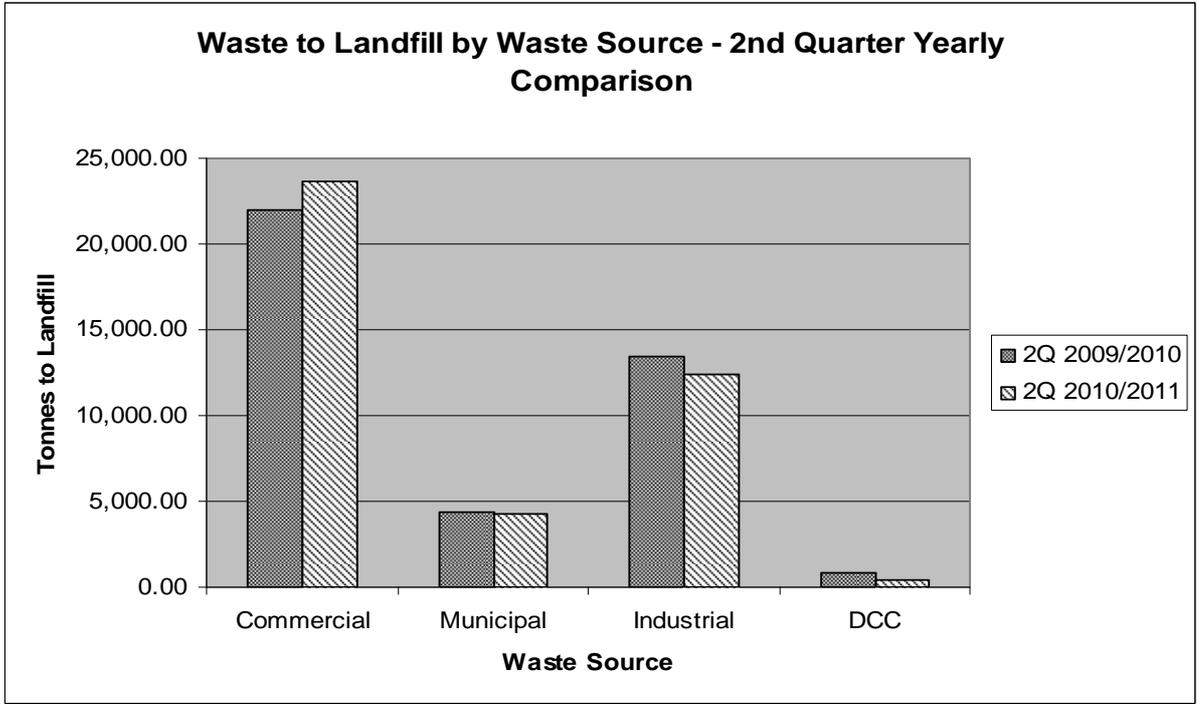
- There has been a slight decrease in commercial waste during this period compared to the same time of the previous year, and minor increases in both green and special wastes being disposed of at the landfill.
- The below graph shows a reduction in both commercial and green waste types and an increase in special waste for the second quarter of the 2010/2011 financial year.



Waste to Landfill by Waste Source

- There have been no significant changes in the source of waste going to landfill over the last quarter.
- Compared to the same quarter in the previous year, there has been an increase in the amount of shredded tyres being brought to site leading to an increase in the overall industrial waste being brought in.

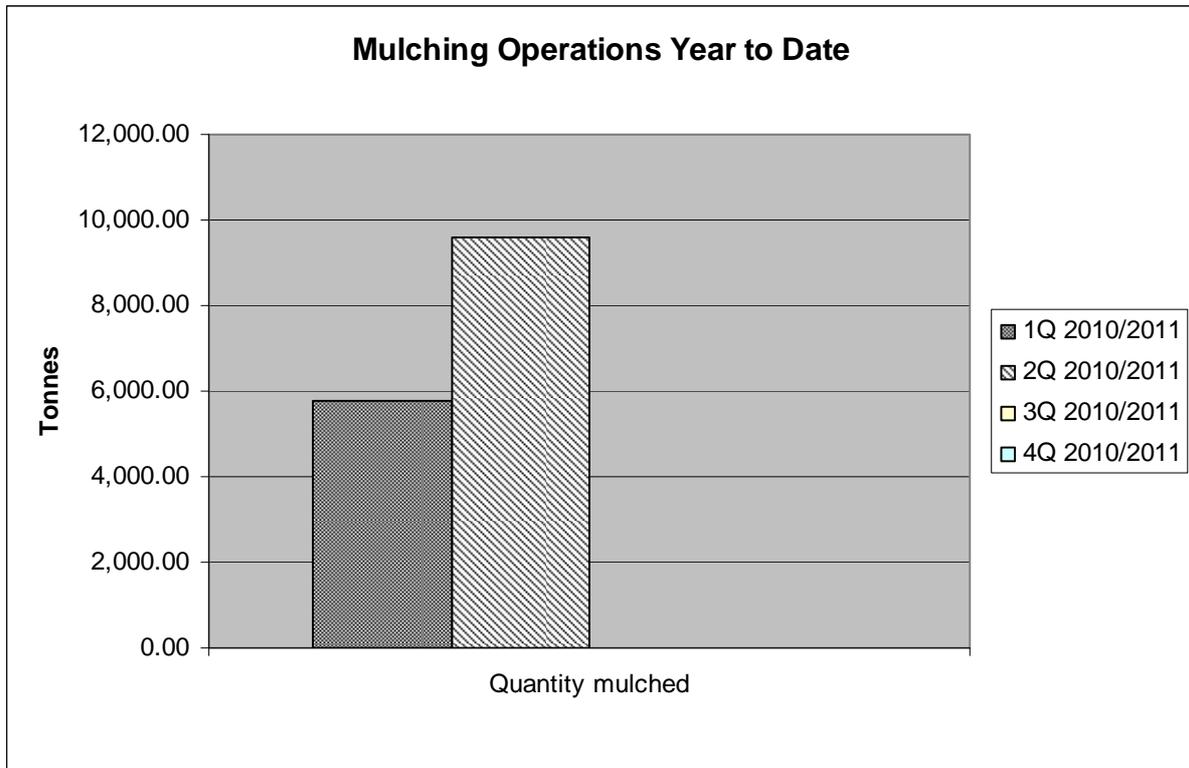
- Municipal waste has increased compared to the same quarter the previous year.



Mulching Operations

- 9570 m2 of domestic green waste was diverted from landfill to produce mulch during this quarter.

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 REPORT NUMBER: 11TS0028MN:KB
 SUBJECT: WASTE AND RECYCLING OCTOBER – DECEMBER 2010 QUARTERLY REPORT

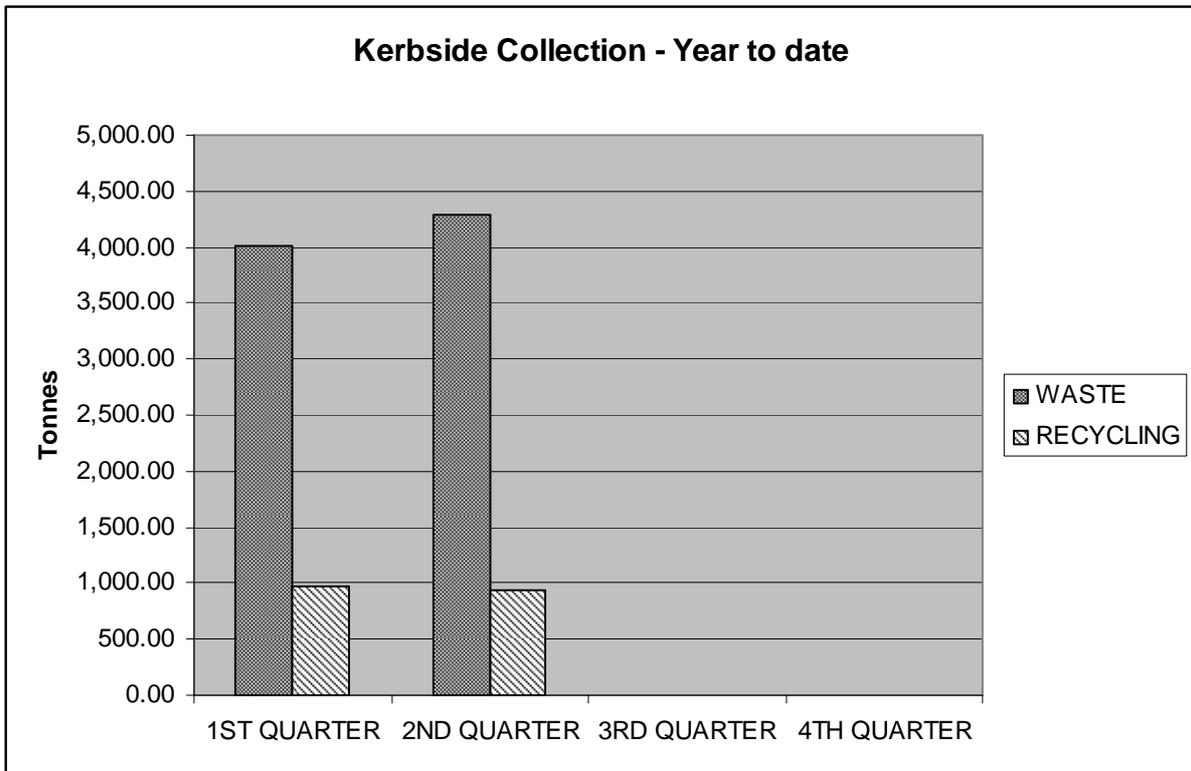
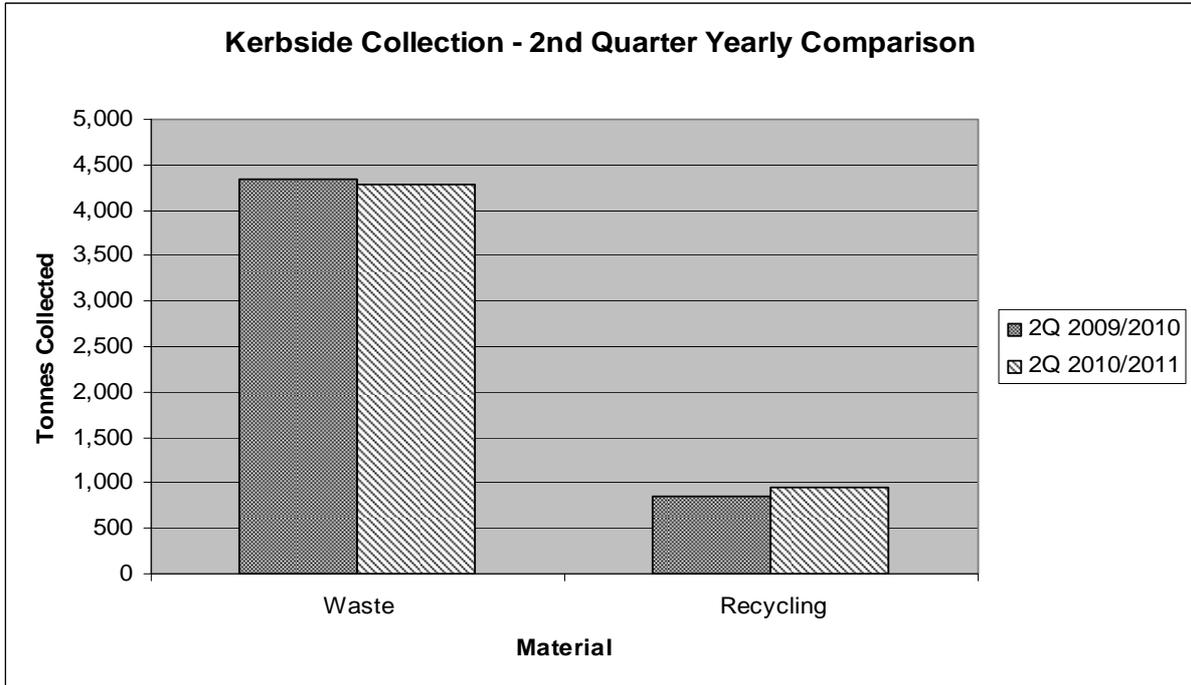


Pre-Cyclone Cleanup

- The pre-cyclone cleanups were finalised during this quarter. A total of 415.11 tonnes were collected from the Northern and Southern suburbs and from the Urban Indigenous Communities. Council provided further cleanup assistance to the Bagot Community at the request of the Environmental Health Unit at the Department of Health and Families.

Kerbside Collection

- General waste collection has decreased by 55 tonnes compared to the second quarter of 2009/2010.
- Recycling rates have decreased by 4 tonnes from this time last year and has decreased by 3 tonnes from the last quarter.
- Contamination of the kerbside recycling bins is currently 21.4% compared to 29.5% in the first quarter of 2009/2010. Contamination rates have increased by 1.5% since the previous quarter.
- Education continues to be a priority in reducing contamination rates.



Community Education

- The Darwin City Council funded Community Education Officer, based at Transpacific Cleanaway, undertook the following activities in the quarter:
 - School visits;

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 REPORT NUMBER: 11TS0028MN:KB
 SUBJECT: WASTE AND RECYCLING OCTOBER – DECEMBER 2010 QUARTERLY REPORT

- Promotion of Community Education Program;
- Review of recycling signage for manual collection bin enclosures;
- Organised publication of 2011 recycling and garbage calendar;
- Collated updated images for recycling signage
- Darwin City Council undertook the following activities in the quarter:
 - One school group tour of Shoal Bay Waste Disposal Facility;
 - Identification of web based materials requiring review
- Upcoming community education activities being considered:
 - School tours of Shoal Bay Waste Disposal Site
 - School visits
 - Recycling behaviour survey
 - Defence Housing family open day
 - Bagot Community recycling education visit
 - Trial installation of recycling signage at multiple unit dwellings that consistently present contaminated recycling bins
 - Update of waste management and recycling information on the Council website

Other

- Shoal Bay continues to generate approximately 2100 MWh of energy per quarter from its gas extraction facility, which is fed into the main power grid.

FINANCIAL IMPLICATIONS:

All activities are being undertaken within approved budgets.

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

4 Create and Maintain an Environmentally Sustainable City

Outcome

4.3 Increase efficiency of waste management

Key Strategies

4.3.1 Continue to lobby for, provide and develop contemporary waste management practices

LEGAL IMPLICATIONS:

Operations are being undertaken in accordance with Darwin City Council contracts, licenses and relevant legislation.

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 REPORT NUMBER: 11TS0028MN:KB
 SUBJECT: WASTE AND RECYCLING OCTOBER – DECEMBER 2010 QUARTERLY
 REPORT

ENVIRONMENTAL IMPLICATIONS:

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

PUBLIC RELATIONS IMPLICATIONS:

The operations are undertaken to present a positive public image of Council.

COMMUNITY SAFETY IMPLICATIONS:

Not assessed

DELEGATION:

Nil

CONSULTATION:

Not applicable

PROPOSED PUBLIC CONSULTATION PROCESS:

Not applicable

APPROPRIATE SIGNAGE:

Not applicable

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

THAT Report Number 11TS0028MN:KB entitled Waste And Recycling October – December 2010 Quarterly Report, be received and noted.

**JOY WELSHMAN
 TEAM COORDINATOR
DEVELOPMENT & WASTE
 MANAGEMENT**

**LUCCIO CERCARELLI
GENERAL MANAGER
 INFRASTRUCTURE**

Any queries on this report may be directed to Joy Welshman on 89300413 or
 j.welshman@darwin.nt.gov.au

ENCL: YES

DARWIN CITY COUNCIL

DATE: 11/11/2010

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** NK
FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** KS
REPORT NO: 10TS0234NK:NF **APPROVED:** LC
COMMON NO: 1805467
SUBJECT: REQUEST FOR TREE REMOVAL AT 56 CURLEW CIRCUIT WULAGI

ITEM NO: 9.7**SYNOPSIS:**

Staff have received a request from the property owner of 56 Curlew Crescent Wulagi for Council to consider the removal of two semi mature *Terminalia platiphylla* trees from the verge outside the property due to concerns over tree roots causing damage to the front boundary fence and gate.

The resident has been advised that the trees will not be removed, as they are in good health and Council has taken action to prevent further damage to infrastructure, **Attachment A**. Council will continue to monitor the trees.

The property owner has asked that their request for the removal of the trees be put before Council.

GENERAL:

The property at 56 Curlew Circuit has two semi mature *Terminalia* trees on the verge. Over the years, the property owner has made several requests for these trees to be removed.

The property owner first approached Council in January 2002 and again in May 2002 requesting the trees be inspected as they were lifting the footpath. The trees were inspected and were found to be structurally sound and in good health. Minor works were undertaken to repair a trip hazard in the footpath.

The property owner contacted Council again in December 2006 to report that tree roots were causing damage to the front boundary fence. The trees were again inspected and found to be structurally sound and in good health. Council undertook, a pruning of the roots damaging the fence and root barrier to manage the root growth and prevent further damage.

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REPORT NUMBER: 10TS0234NK:NF
SUBJECT: CUSTOMER REQUEST FOR TREE REMOVAL AT 56 CURLEW CIRCUIT
WULAGI

In May 2010 the property owner requested that staff inspect the trees as they felt that additional damage was being caused to the fence and gate and that the root barrier had failed.

An inspection by Council staff identified minor damage to the path surface, very limited heaving or stepping is evident in the road kerbing and the entry gate to the property was difficult to open caused by displacement of the gate posts. It is unclear if this displacement is recent or if it may have been caused by tree roots prior to the root barrier being installed and exacerbated over time due to normal wear of the gate hinge.

In discussion with the property owner it was acknowledged that the gate had never been repaired and that the misalignment of the gate could well have been as a result of root movement prior to the root barrier being installed.

A letter identifying the issues and offering to make repairs to the gate at Council's cost was sent to the property owner to which they agreed. This work was completed in December 2010 and the gate appears to be working well and correctly aligned.

Council arboricultural staff again inspected the two trees and confirmed they are of good structure, in good health and are providing a high level of amenity to the streetscape, **Attachment A**.

Inspections by Council staff have found the trees to be in sound condition at every inspection and there is limited minor damage to infrastructure which has been and will continue to be addressed on an as required basis. The removal of these healthy trees is not supported in accordance with Council policies and procedures, namely Policy Number 323 – Tree Preservation Orders.

Should new damage to the residents fence and/or gate be identified as a result of the trees, the decision of whether or not to remove the trees may need to be revisited at that time. At this point in time it is the view of staff that the damage that has occurred did so prior to root barrier being installed and that measures have been put into place to minimise the likelihood of further issues. Staff also consider the two trees are significant in the streetscape and the community would not benefit through having these trees removed.

FINANCIAL IMPLICATIONS:

Costs associated with infrastructure repairs have been accommodated within operational maintenance budgets.

The approximate costs to date for repairs to the path, fence and gate are within \$600.

PAGE: 3
 REPORT NUMBER: 10TS0234NK:NF
 SUBJECT: CUSTOMER REQUEST FOR TREE REMOVAL AT 56 CURLEW CIRCUIT
 WULAGI

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

2 Enhance Darwin's Active, Positive and Flexible Lifestyle

Outcome

2.1 Improve urban enhancement around Darwin

Key Strategies

2.1.1 Manage and maintain the municipal landscaping and infrastructure to a standard that meets community needs

LEGAL IMPLICATIONS:

Not assessed

ENVIRONMENTAL IMPLICATIONS:

Removal of the trees will have a localised impact on the biodiversity of the immediate area and loss of shade and other amenity.

PUBLIC RELATIONS IMPLICATIONS:

Council may receive a negative response from the community by removing trees that provide significant amenity to the streetscape.

COMMUNITY SAFETY IMPLICATIONS:

Retaining the trees will have a localised impact on the surrounding infrastructure that may lead to an elevation in the level of risk of personal injury if left unmonitored. Current footpath condition surveys are carried out every 4 years and this inspection regime is expected to manage the identified risk.

DELEGATION:

Not assessed

CONSULTATION:

Resident of the property adjacent the trees

PROPOSED PUBLIC CONSULTATION PROCESS:

Not assessed

PAGE: 4
REPORT NUMBER: 10TS0234NK:NF
SUBJECT: CUSTOMER REQUEST FOR TREE REMOVAL AT 56 CURLEW CIRCUIT
WULAGI

APPROPRIATE SIGNAGE

Not assessed

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

- A. THAT Report Number 10TS0234NK:NF entitled Customer Request For Tree Removal At 56 Curlew Circuit Wulagi, be received and noted.
- B. THAT Council advise the owner and residents of 56 Curlew Circuit, Wulagi that the two terminalia trees located on the verge adjacent to their property will not be removed and that Council will continue to monitor the trees and infrastructure.

KERRY SMITH
MANAGER INFRASTRUCTURE
MAINTENANCE

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Kerry Smith on 89 803 654 or
k.smith@darwin.nt.gov.au

Report Number 10TS0234NK:NF

Customer Request For Tree Removal At 56 Curlew Circuit Wulagi



ENCL: NO

DARWIN CITY COUNCIL

DATE: 13/01/2011

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** JW

FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** LC

REPORT NO: 11TS0018:JW:kab

COMMON NO: 1719607

SUBJECT: ST MARY'S PRIMARY SCHOOL - WAIVER OF STORMWATER CONTRIBUTION

ITEM NO: 9.8**SYNOPSIS:**

St Mary's Primary School has requested a waiver of the stormwater drainage contribution required by Council Policy Number 40. The value of the contribution and waiver being sought is \$1,788.

This report recommends the waiver of the contribution to the value of \$1,788.

GENERAL:

In 2010 Troppo Architects on behalf of St Mary's Primary School wrote to Council to request a waiver to Condition 2 of Development Permit Number DP09/0494, being a stormwater contribution to Darwin City Council. The School subsequently also wrote confirming the request.

The Development Permit was issued for the development of the site for a library and multi-purpose hall additions to the existing school, approximately 400m² in area and located centrally within the school site. The works were funded under the Commonwealth Building Education Revaluation (BER) Stimulus all works have been completed.

A condition of the Development Permit was for the developer to pay a contribution in accordance with Council requirements.

The contribution relates to Council Policy Number 040, Stormwater Drainage Contribution Plan No: CP 2006/05D Darwin Zone H, which prescribes a contribution of \$4.47/m². The contribution required under the Darwin City Council plan for St Mary's relating to DP09/0494 is \$1,788.

PAGE: 2
 REPORT NUMBER: 11TS0018:JW:kab
 SUBJECT: ST MARY'S PRIMARY SCHOOL - WAIVER OF STORMWATER CONTRIBUTION

St Mary's Primary School has requested the waiver for of the following reasons:

- The school is a not for profit organisation;
- Extensive bitumen areas will be removed to create additional grass and garden areas, allowing greater stormwater infiltration reducing run off into Council's Infrastructure;
- The building will be constructed on existing paved areas and therefore there will be no overall increase of stormwater runoff from the site;
- Stormwater will be controlled through existing ground entry pits located away from the structures allowing also for increased ground infiltration;
- Stormwater within the school is collected through overland flow channels allowing for infiltration prior to reaching the Council piped system.

It will be recommended that Council waiver the stormwater contribution of \$1,788 in this case.

FINANCIAL IMPLICATIONS:

Council will have reduced contribution available at the time of building the improved stormwater infrastructure in accordance with the Contribution Plan. This may result in a higher contribution by Council from its funds for the final works. The waiver being sought is considered minor in consideration of the estimated cost of the likely upgrades as determined by the Contribution Plan being \$1,132,700 in 2006.

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

1 Achieve Effective Partnerships and Engage in Collaborative Relationships

Outcome

1.2 Effectively engage with community

Key Strategies

1.2.2 Develop ways in which Council can enhance relationships and work collaboratively with Community Groups

LEGAL IMPLICATIONS:

Council has a requirement advise that Condition 2 of the Development Permit Number DP09/0494 has been addressed to its satisfaction.

The Policy requires that Council shall not provide clearance for the relevant conditions of any Development Permit until the Developer Contribution is paid to Council.

PAGE: 3
REPORT NUMBER: 11TS0018:JW:kab
SUBJECT: ST MARY'S PRIMARY SCHOOL - WAIVER OF STORMWATER CONTRIBUTION

ENVIRONMENTAL IMPLICATIONS:

The quantity of stormwater accepted by Council's infrastructure as result of these works will not differ significantly from the predevelopment flows.

PUBLIC RELATIONS IMPLICATIONS:

St Mary's Primary School is a not for profit organisation which has obtained funding for its hall and library project through the Federal Government.

The waiver may be viewed as Council assisting the provision of improved education facilities within Darwin.

COMMUNITY SAFETY IMPLICATIONS:

Not assessed.

DELEGATION:

Nil.

CONSULTATION:

Tropo Architects Pty Ltd.
St Mary's Catholic Primary School.

PROPOSED PUBLIC CONSULTATION PROCESS:

Nil.

APPROPRIATE SIGNAGE

Nil.

PAGE: 4
REPORT NUMBER: 11TS0018:JW:kab
SUBJECT: ST MARY'S PRIMARY SCHOOL - WAIVER OF STORMWATER CONTRIBUTION

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

- A. THAT Report Number 11TS0018 JW:KAB entitled St Marys Primary School - Waiver Of Stormwater Contribution be received and noted.
- B. That Council waive the Stormwater Drainage Contribution of \$1,788 as required under Development Permit Number DP09/0494 and Council Policy Number 040, Stormwater Drainage Contribution Plan No: CP 2006/05D Darwin Zone H, for St Mary's Primary School, hall and library project.

JOY WELSHMAN
TEAM COORDINATOR
DEVELOPMENT & WASTE
MANAGEMENT

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Joy Welshman on 8930 0413 or j.welshman@darwin.nt.gov.au

ENCL: YES

DARWIN CITY COUNCIL

DATE: 13/01/2011

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** JW

FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** LC

REPORT NO: 11TS0017JW:kab

COMMON NO: 1826945

SUBJECT: LOT 5775 EAST POINT RESERVE, FANNIE BAY - PROPOSED ELECTRICAL EASEMENT

ITEM NO: 9.9**SYNOPSIS:**

Southern Cross Care (SA&NT) Inc is requesting Council approval for the creation of a electrical supply easement over Lot 5775, East Point Reserve in order to facilitate an upgrade of electrical services required as part of the development of an aged care facility in Waratah Crescent, Fannie Bay.

This report recommends Council approve the creation of the easement subject to appropriate financial compensation and all additional expenses for the project being undertaken at the developers expense.

GENERAL:

Southern Cross Care (SA&NT) Inc has approached Council to create a 3 metre easement over Council owned Lot 5775, East Point Reserve adjacent to Lot 5463 George Crescent. The easement is essential for the upgrade of the electrical service to the development of the aged care facility Waratah Crescent. The new electricity supply will enable the aged care facility to be supplied with power from two different feeders which reduces the potential of loss off power to this aged care facility. The easement will be created in favour of the Power and Water Corporation.

The area of reserve that will be effected is currently adjacent to a residential property and is not irrigated. The area has been planted by the adjacent resident. It is anticipated that the easement will be outside of the planted zone. The reserve currently has a sewer easement and stormwater infrastructure in the same vicinity as the proposed electrical supply easement. Officers have reviewed the request and inspected the site and no objections to the proposed creation of a electricity easement adjacent to the existing sewer and stormwater infrastructure as this location minimises any impact.

PAGE: 2
REPORT NUMBER: 11TS0017JW:kab
SUBJECT: LOT 5775 EAST POINT RESERVE FANNIE BAY - PROPOSED
ELECTRICAL EASEMENT

Attachment A shows a locality plan within East Point Reserve with images of the existing vegetation. The easement will be located as close to the boundary and other infrastructure as possible to reduce impact on the reserve. The approximate location of the easement is indicated in **Attachment B**.

All infrastructure will be located underground which will allow the area to be maintained in its current manor resulting in minimal loss of amenity. The creation of easements over the infrastructure will ensure that it is protected from future developments and allow access at all times for future maintenance. The developer has consulted with Power and Water Corporation and Darwin City Council officers to determine the most suitable location for the easement and have agreed to monetary compensation for the site.

All costs relating to creating the easements will be paid for by the developer. An independent valuation was undertaken by the Australian Valuation Office (AVO) on the 2 February 2011. The AVO determined that the value of \$500 (excl GST) was placed on the lot being the estimated depreciated value, after creation of the easement. The value is negligible due to the overall size of the lot and the estimated overall loss in value of the utility being considered minimal.

It is recommended that the request for a electrical supply easement over Lot 5775 from Southern Cross Care (SA&NT) Inc be approved and that appropriate financial compensation of \$500 plus GST, for the loss of amenity and all additional expenses for the project be at the developers expense.

FINANCIAL IMPLICATIONS:

All costs relating to the works and the creation of the easement will be paid for by the developer.

The value determined by the AVO \$500 (ex GST) will be paid by the developer as compensation.

Payment of permits for all works in Council owned land will apply to the contractors undertaking the work and will include reinstatement.

PAGE: 3
 REPORT NUMBER: 11TS0017JW:kab
 SUBJECT: LOT 5775 EAST POINT RESERVE FANNIE BAY - PROPOSED ELECTRICAL EASEMENT

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

1 Achieve Effective Partnerships and Engage in Collaborative Relationships

Outcome

1.1 Improve relations with all levels of Government

Key Strategies

1.1.1 Effectively engage with Territory and Australian Government officials, particularly in the Darwin region

LEGAL IMPLICATIONS:

To facilitate the creation of an easement a Section 91 Creation Of Easement In Gross and section 44(1) Request To Issue Certificate As To Title forms require authorisation by Council under the common seal.

Section 26 (2) of the Local Government Act 2008 requires that the affixing of the common seal to a document must be authorised or ratified by resolution of the Council; and must be attested by the signatures of the Chief Executive Officer and at least one member of the Council.

ENVIRONMENTAL IMPLICATIONS:

As the infrastructure will be underground and the area re-established the implications are minimal with some loss of amenity during the works.

PUBLIC RELATIONS IMPLICATIONS:

It is not anticipated that the creation of the easement will create public interest. All works associated with the electrical supply upgrade will be advertised in accordance with Councils Works Permit system by the developer.

COMMUNITY SAFETY IMPLICATIONS:

Improved electrical supply to an aged care facility works have been designed to minimise impact on the public.

DELEGATION:

Delegation to the Chief Executive Officer will be sought to finalise the issue.

PAGE: 4
REPORT NUMBER: 11TS0017JW:kab
SUBJECT: LOT 5775 EAST POINT RESERVE FANNIE BAY - PROPOSED
ELECTRICAL EASEMENT

CONSULTATION:

Power and Water Corporation
Manager Business Services

PROPOSED PUBLIC CONSULTATION PROCESS:

All public consultation will be the responsibility of the developer in collaboration with Darwin City Council.

APPROPRIATE SIGNAGE

Not Assessed

PAGE: 5
 REPORT NUMBER: 11TS0017JW:kab
 SUBJECT: LOT 5775 EAST POINT RESERVE FANNIE BAY - PROPOSED ELECTRICAL EASEMENT

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

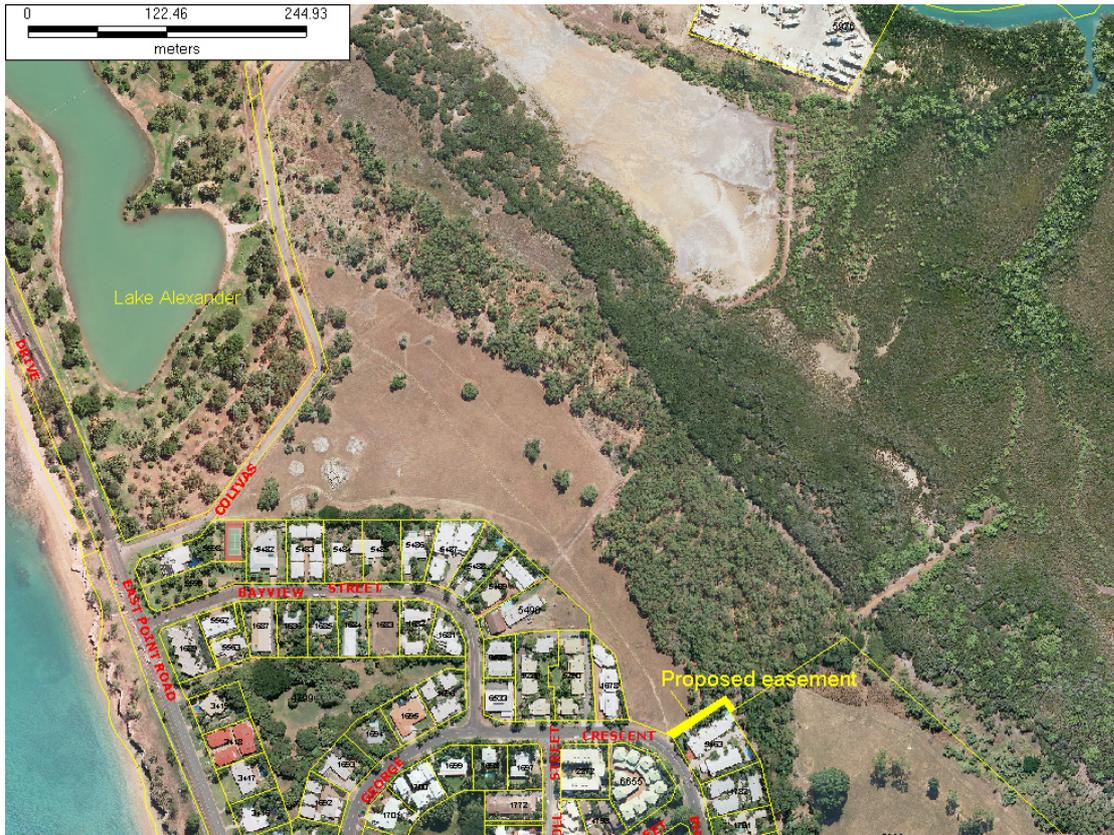
- A. THAT Report Number 11TS0017JW:KAB Entitled Lot 5775 East Point Reserve Fannie Bay - Proposed Electrical Easement be received and noted.
- B. THAT Council approve the creation of an easement on Lot 5775 East Point Reserve, Fannie Bay as detailed in **Attachment A** of Report Number 11TS0017JW:KAB in favour of Power and Water Corporation subject to:
- i) Easement sizes and locations to be finalised and to the satisfaction of the General Manager – Infrastructure, Darwin City Council; and
 - ii) That all costs associated with the creation of the easements be at Southern Cross Care (SA&NT) Inc expense.
 - iii) That financial compensation of \$500 plus GST be paid to Council.
 - iv) That all costs and requirements for reinstatement associated with the works be to the satisfaction of the General Manager – Infrastructure, Darwin City Council and at no cost to Council.
- C. THAT Darwin City Council pursuant to Section 32 (2) of the Local Government Act 2008 hereby delegates to the Chief Executive Officer, to finalise creation of electrical easements on Lot 5775 East Point Reserve Fannie Bay in favour of Power and Water Corporation in accordance with Report Number 11TS0017JW:KAB.
- D. THAT Darwin City Council, pursuant to Section 26 (2) of the Local Government Act 2008, hereby authorises all relevant documentation relating to the Easement Creation on Lot 5775 East Point Reserve Fannie Bay be executed under the Council's Common Seal and signed by the Lord Mayor and Chief Executive Officer.

JOY WELSHMAN
TEAM COORDINATOR
DEVELOPMENT & WASTE
MANAGEMENT

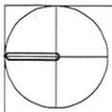
LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Joy Welshman on 8930 0413 or
 j.welshman@darwin.nt.gov.au

Easement on Lot 5775 East Point Reserve, Fannie Bay
Report Number 11TS0017JW:KAB

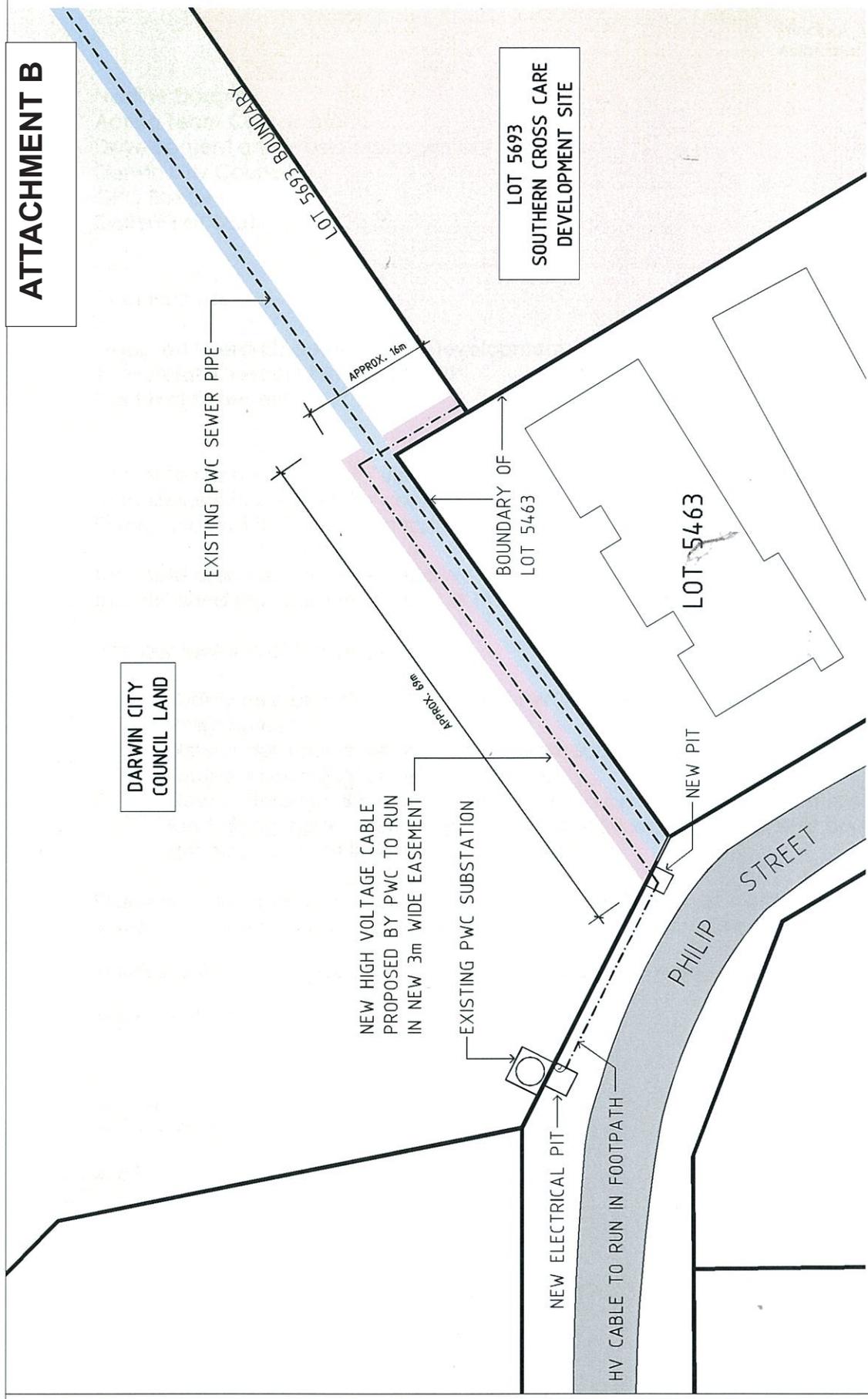


ATTACHMENT B



DARWIN CITY COUNCIL LAND

LOT 5693 SOUTHERN CROSS CARE DEVELOPMENT SITE



PROPOSED EASEMENT

PROPOSED HIGH VOLTAGE ELECTRICAL SUPPLY ROUTE

INTEGRATED AGED CARE FACILITY - Lot 5693, 11 WARATAH CRESCENT FANNIE BAY

JULY 2010
2285 SK115

ENCL: YES

DARWIN CITY COUNCIL

DATE: 13/01/2011

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** JW

FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** LC

REPORT NO: 11TS0016:JW:KAB

COMMON NO: 1871163

SUBJECT: LOT 9119 TOWN OF NIGHTCLIFF - PROPOSED WATER SUPPLY EASEMENT

ITEM NO: 9.10**SYNOPSIS:**

Power and Water Corporation is requesting Council approval for the creation of a water supply easement over Lot 9119, Nation Crescent Park and walkway 110 and 111 in order to facilitate an upgrade of services in that area.

This report recommends Council approve the creation of the easement subject to appropriate financial compensation and all additional expenses for the project being at Power and Water Corporations expense.

GENERAL:

Power and Water Corporation (PWC) has approached Council to create a 3 metre easement over Council owned Lot 9119 Town of Nightcliff and walkway 110 and 111. PWC consider the easement essential for the upgrade of the water services in this region.

Currently Lot 9119, Nation Park located on Nation Crescent provides access to Floyd Ct and Radford Ct. It is irrigated and planted with Carpentaria Palms in the area of the easement. It is not anticipated that any disturbance to these trees would be need when installing the water pipes. There are a number of sewer and drainage easements in the same vicinity as the proposed water supply easement, **Attachment A**. The easement will be located as close to the boundary as possible to reduce impact on the reserve. Officers have no objections to the proposed creation of a water easement.

All infrastructure will be located underground which will allow the area to be re-established and maintained in its current manor resulting in minimal, if any, loss in amenity to the area. The creation of easements over the infrastructure will ensure that it is protected from future developments and allow Power and Water Corporation access at all times. Power and Water Corporation has consulted with Darwin City

PAGE: 2
 REPORT NUMBER: 11TS0016:JW:KAB
 SUBJECT: LOT 9119 TOWN OF NIGHTCLIFF - PROPOSED WATER SUPPLY EASEMENT

Council officers on this project and the locations for easements and have agreed to financial compensation for the site. The approximate location of the easement is indicated in green in **Attachment B**.

All costs relating to creating the easements will be paid for by Power and Water Corporation. An independent valuation was undertaken by the Australian Valuation Office (AVO) on 2 November 2010. The AVO determined that the value of \$2,200 (excl GST) was placed on the lot being the estimated value, after creation of the easement.

It is recommended that the request for a water supply easement over Lot 9119 and walkways 110 and 111 from Power and Water Corporation be approved and that appropriate financial compensation of \$2200 plus GST, for the loss of amenity and all additional expenses for the project be at Power and Water Corporations expense.

FINANCIAL IMPLICATIONS:

All costs relating to the works and the creation of the easement will be paid for by Power and Water Corporation.

The value determined by the AVO of \$2,200 will be paid by Power and Water Corporation as compensation.

Payment of permits for all works in Council owned land will apply to the contractors undertaking the work and will include reinstatement.

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

1 Achieve Effective Partnerships and Engage in Collaborative Relationships

Outcome

1.1 Improve relations with all levels of Government

Key Strategies

1.1.1 Effectively engage with Territory and Australian Government officials, particularly in the Darwin region

LEGAL IMPLICATIONS:

To facilitate the creation of an easement a Section 91 Creation Of Easement In Gross and section 44(1) Request To Issue Certificate As To Title forms require authorisation by Council under the common seal.

PAGE: 3
REPORT NUMBER: 11TS0016:JW:KAB
SUBJECT: LOT 9119 TOWN OF NIGHTCLIFF - PROPOSED WATER SUPPLY
EASEMENT

Section 26 (2) of the Local Government Act 2008 requires that the affixing of the common seal to a document must be authorised or ratified by resolution of the Council; and must be attested by the signatures of the Chief Executive Officer and at least one member of the Council.

ENVIRONMENTAL IMPLICATIONS:

Not assessed.

PUBLIC RELATIONS IMPLICATIONS:

It is not anticipated that the creation of the easement will create public interest. All works associated with the water supply upgrade will be advertised in accordance with Councils Works Permit system by Power and Water Corporation.

COMMUNITY SAFETY IMPLICATIONS:

Improved Power and Water Corporation infrastructure for the Darwin municipality.

DELEGATION:

Delegation to the Chief Executive Officer will be sought to finalise the issue.

CONSULTATION:

Power and Water Corporation
Manager Business Services

PROPOSED PUBLIC CONSULTATION PROCESS:

All public consultation will be the responsibility of the Power and Water Corporation in collaboration with Darwin City Council.

APPROPRIATE SIGNAGE

Not Assessed

PAGE: 4
 REPORT NUMBER: 11TS0016:JW:KAB
 SUBJECT: LOT 9119 TOWN OF NIGHTCLIFF - PROPOSED WATER SUPPLY
 EASEMENT

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

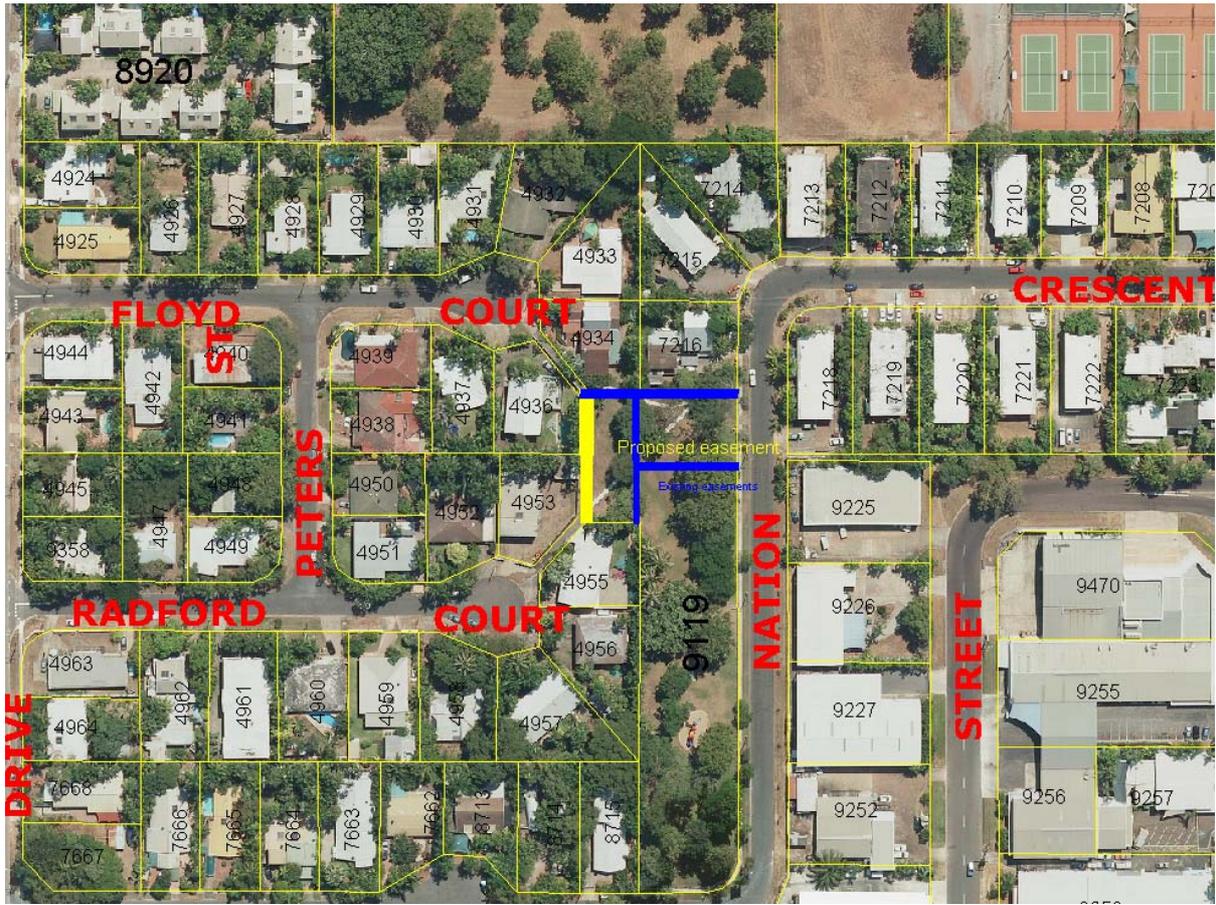
- A. THAT Report Number 11TS0016:JW:KAB entitled Lot 9119 Town Of Nightcliff - Proposed Water Supply Easement be received and noted.
- B. THAT Council approve the creation of easements on Lot 9119 Town of Nightcliff as detailed in **Attachment A** of Report Number 11TS0016:JW:KAB favour of Power and Water Corporation subject to:
- i.) Easement sizes and locations to be finalised and to the satisfaction of the General Manager – Infrastructure, Darwin City Council; and
 - ii.) That all costs associated with the creation of the easements be met by Power and Water Corporation.
 - iii.) That financial compensation of \$2200 plus GST be paid to Council.
 - iv.) That all costs and requirements for reinstatement associated with the works be to the satisfaction of the General Manager – Infrastructure, Darwin City Council and at no cost to Council.
- C. THAT Darwin City Council pursuant to Section 32 (2) of the Local Government Act 2008 hereby delegates to the Chief Executive Officer, to finalise creation of water supply easement on Lots 9119 Town of Nightcliff in favour of Power and Water Corporation in accordance with Report Number 11TS0016:JW:KAB.
- D. THAT Darwin City Council, pursuant to Section 26 (2) of the Local Government Act 2008, hereby authorises all relevant documentation relating to the Easement Creation on Lot 9119 Town of Nightcliff be executed under the Council's Common Seal and signed by the Lord Mayor and Chief Executive Officer.

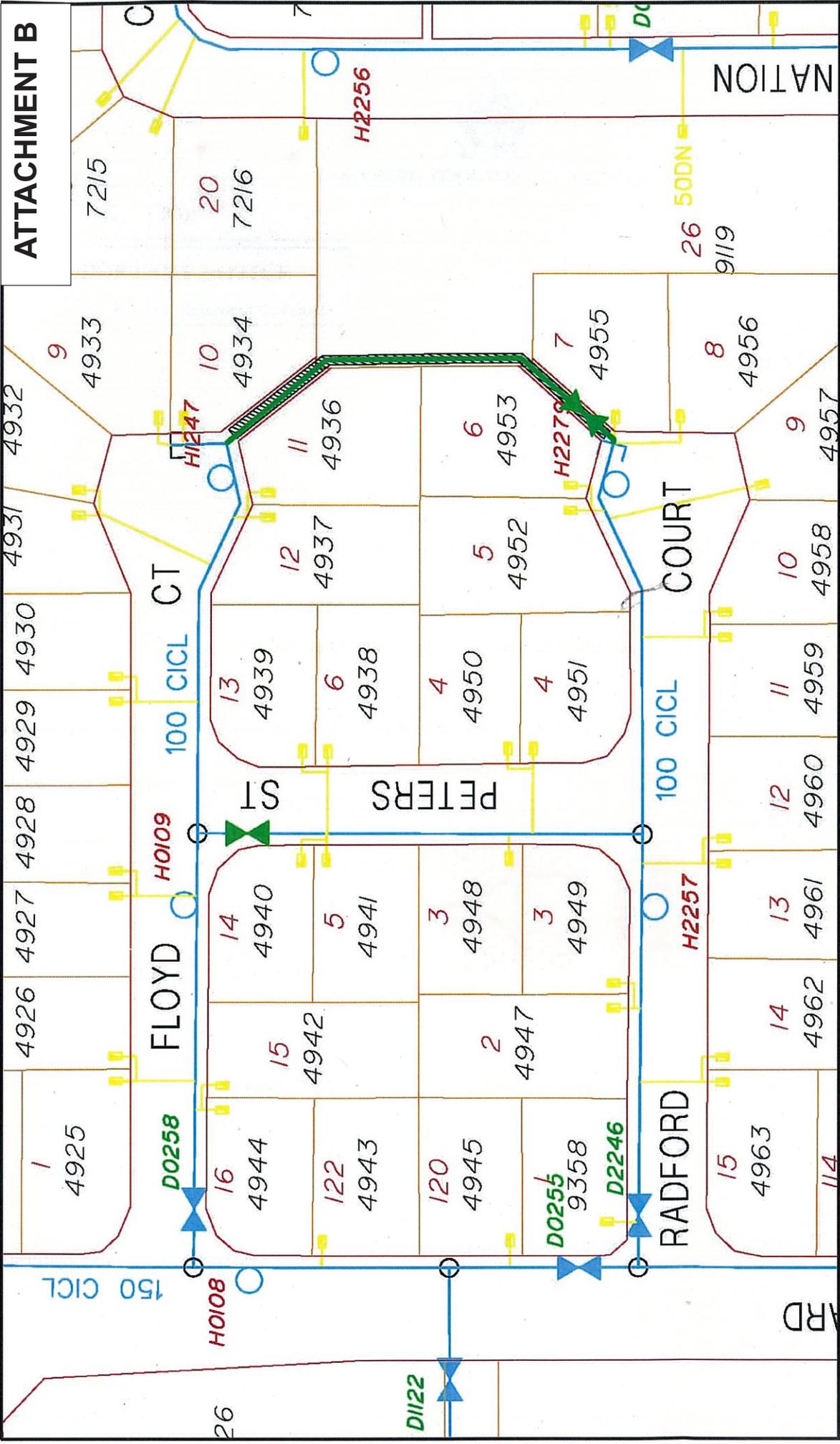
JOY WELSHMAN
TEAM COORDINATOR
DEVELOPMENT & WATER
MANAGEMENT

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Joy Welshman on 8930 0413 or
 j.welshman@darwin.nt.gov.au

Easements on Lot 9119 Town of Nightcliff – Report Number 11TS0016:JW:KAB





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DRN	DO	
CKD	...	
APPD	...	
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Darwin Water Supply		
Radford Court Extension		
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AMDT		

 NORTHERN TERRITORY		AMENDMENTS	
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ENCL: NO

DARWIN CITY COUNCIL

DATE: 15/10/2010

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** JW

FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** LC

REPORT NO: 10TS0210JW:KB

COMMON NO: 1845394

SUBJECT: SHOAL BAY WASTE DISPOSAL FACILITY REFRIGERANT DEGASSING

ITEM NO: 9.11**SYNOPSIS:**

At its 2nd Ordinary meeting in July 2010, Council called for a report regarding the current and proposed practice of degassing of goods at the Shoal Bay Waste Disposal Facility.

A report was submitted to the Environment & Infrastructure Committee in November 2010, it was resolved that the report lay on the table:

Shoal Bay Waste Disposal Facility Refrigerant Degassing

Report No. 10TS0210JW:KB (15/10/10) Common No. 1845394

At the Environment & Infrastructure Committee held on Monday, 22 November 2010, this item was laid on the table until further information is received.

- A. *THAT Report Number 10TS0210JW:KB entitled, Shoal Bay Waste Disposal Facility Refrigerant Degassing, be received and noted.*
- B. *THAT Council continue to educate the community regarding the disposal of goods containing refrigerant gasses.*

DECISION NO.20\3495 (30/11/10)

Carried

The report is represented for consideration.

PAGE: 2
 REPORT NUMBER: 10TS0210JW:KB
 SUBJECT: SHOAL BAY WASTE DISPOSAL FACILITY REFRIGERANT DE-GASSING

GENERAL:

At its 2nd Ordinary meeting in July 2010, Council resolved the following:

Degassing of Air Conditioners and Fridges at Shoal Bay Waste Management Facility

THAT a report be prepared for Council on the current and proposed practice of degassing air conditioners and fridges at Shoal Bay Waste Management Facility.

DECISION NO. 20\3068 (27/07/10) Carried

Under the *Ozone Protection and Synthetic Greenhouse Gas Management Act 1989*, all goods containing refrigerant gases must be decommissioned prior to end disposal. A review of current practices for incoming white goods at the Shoal Bay Waste Disposal Facility (SBWDF) has been undertaken following Council's request.

Currently residents are able to dispose of goods containing refrigerant gases at Shoal Bay. Residents are encouraged to recycle the products at the Recycle Centre but there is a risk that some units may reach landfill and be buried before the Recycle Centre can reclaim and degas the units. On average approximately 15-20 units containing refrigerants are dropped off at the Recycling Centre each week. Of these, 15-20% are sold through the centre with the remainder going to scrap metal after being degassed and treated appropriately.

Since the Council Decision in July Council has award a now recycling contract at the Shoal Bay Facility to Northern Territory Recycling Solutions.

The current status of operations at SBWDF is as follows:

1. Recycle Centre Operator has primary responsible for the collection and degassing of refrigerants from units that are salvaged at the Recycle Centre, collected at the transfer station or at the landfill operations.
2. Council Weighbridge staff direct customers to dispose of these items appropriately or via the Recycle Centre when asked.
3. Macmahon Contracting has primary responsibility of landfill and greenwaste operations.

There are no figures collated regarding how many units are by-passing the system and ending up in landfill as this would be difficult to collate. However, anecdotal evidence indicates that on average approximately 1 unit per week ends up buried within the lined Stage 3 landfill cell. Units arriving at Stage 2 and transfer station area, where practical, are salvaged by the Recycling Centre Contractor.

Whilst Council and Contractors on site work together to operate this facility, the primary diversion of recycle product and associated treatments rests with the recycling contractor. It is noted that as of 1 October 2010, Council has a new operator and contract for the Recycling Centre and changes are underway which will

PAGE: 3
 REPORT NUMBER: 10TS0210JW:KB
 SUBJECT: SHOAL BAY WASTE DISPOSAL FACILITY REFRIGERANT DE-GASSING

assist in improving the collection of products containing gases. It is anticipated that Council will see an improvement in this service.

All reasonable efforts are made to minimise products containing refrigerant gases going to landfill. This is done via various systems including but not limited to:

1. Development and operation of a Recycling Centre.
2. Manning of the Waste Transfer Station by Northern Territory Recycling Solutions.
3. Education of Contractors and the Community regarding refrigerant and other products.
4. Signage at the Facility.
5. Limited salvaging from landfill cells due to OH&S and legislation issues.

All these activities are continually reviewed for improvements. Council works closely with its various contractors to improve the diversion within reasonable constraints. As such improvements to signage and the operation of the Recycling Centre at the site were identified and have been or will be improved via the new contract for recycling and/or capital works planned in 2010/2011. In addition, Council will be reviewing education of the community with particular regard to this issue.

It is Council's aim to raise community awareness of different waste streams and their salvage value. An example of this is the recent pre-cyclone cleanup which reclaimed and degassed approximately 250 refrigerators, freezers and air-conditioners prior to their end disposal to a scrap metal recycler.

As part of the review of the current processes for the handling of goods containing refrigerants on site, Officers have identified alternative practices that Council may wish to consider regarding the degassing of goods. Further work would be required prior to consideration of any significant change to current operations for the treatment of refrigerant gases at Shoal Bay.

1. Prohibiting the Disposal of Goods Containing Refrigerants at Shoal Bay:

This option is not considered a viable option for the Darwin community. Although it does provide Council with the least exposure to any legislative issues surrounding refrigerant gases.

The community would be required to dispose of goods at alternative locations, therefore likely increase in illegal dumping of the goods in undesignated locations makes this option economically and environmentally unfeasible. The cost to manage this option would be considerable. The reaction from the community is likely to be negative.

2. Charge a fee per item for disposal at Shoal Bay:

Currently Darwin residents have free access to Shoal Bay for domestic quantities of goods via an electronic key. The introduction of a charge for a particular group of products would result in a need for significant changes to the set up and operations of the facility. Significant expenditure would be required in operations and capital

PAGE: 4
REPORT NUMBER: 10TS0210JW:KB
SUBJECT: SHOAL BAY WASTE DISPOSAL FACILITY REFRIGERANT DE-GASSING

works to accommodate and manage this option. It is likely that there would be a negative reaction to charging and it does not necessarily result in goods being degassed prior to disposal. However, charging a fee may encourage the recycling of the items via alternative means. Issues of enforcement and illegal dumping would also exist.

It is not clear whether this would improve on the current situation or simply be viewed as an income generating exercise.

3. Request a decommissioning certificate for any items to be disposed of:

The logistics of obtaining the correct details in a timely manner from the customer and the consequential dumping of the goods in an undesired location make this option not feasible.

This option would also result in likely increases in costs to the community. It may however, encourage increased recycling via alternative means and could result in less product containing gasses going to landfill.

It is recommended that the current process of capture and diverting prior to reaching landfill be retained. This process operates reasonably well and to date Council has not had any major issues. Improvement in community education and collection to ensure minimal units slip through to landfill will be implemented as follows:

1. Improved Website information.
2. Improved signage at Shoal Bay.
3. Easier drop off points for the disposal of goods.
4. Community Education campaign undertaken throughout the year.
5. Improved facilities at the Recycling Centre.

These improvements can be accommodated within existing program budgets and are in the process of being investigated or implemented.

FINANCIAL IMPLICATIONS:

Retaining and improving existing systems as identified within the report can be accommodated within existing budgets.

Costs of alternative options as indicated within the report would need further assessment.

PAGE: 5
 REPORT NUMBER: 10TS0210JW:KB
 SUBJECT: SHOAL BAY WASTE DISPOSAL FACILITY REFRIGERANT DE-GASSING

STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

4 Create and Maintain an Environmentally Sustainable City

Outcome

4.3 Increase efficiency of waste management

Key Strategies

4.3.1 Continue to lobby for, provide and develop contemporary waste management practices

LEGAL IMPLICATIONS:

Various legislative and contractual issues.

A licensed operator is being employed by the Recycle Centre contractor to undertake the degassing correctly.

Council's contracts all include clauses regarding compliance to relevant legislation in particular in completing their contractual obligations. The intent has always been, and remains, that the diversion of goods containing refrigerant gases is the primary responsibility of the Recycling operator.

ENVIRONMENTAL IMPLICATIONS:

Recycling of items containing refrigerant gasses increases Council's environmental image and reduces landfill quantities.

PUBLIC RELATIONS IMPLICATIONS:

Council has the opportunity to promote through its media outlets i.e. web, magazines, that no items containing refrigerants will be sent to landfill.

COMMUNITY SAFETY IMPLICATIONS:

Not assessed.

DELEGATION:

Not applicable.

PAGE: 6
 REPORT NUMBER: 10TS0210JW:KB
 SUBJECT: SHOAL BAY WASTE DISPOSAL FACILITY REFRIGERANT DE-GASSING

CONSULTATION:

Australian Refrigeration Council
 Northern Territory Recycling Solutions
 Macmahon Contractors

PROPOSED PUBLIC CONSULTATION PROCESS:

Not applicable.

APPROPRIATE SIGNAGE

There is existing signage at the SBWDF transfer site directing the public to drop off whitegoods prior to entering the landfill site. The signage is currently being reviewed and will be updated as required.

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

- A. THAT Report Number 10TS0210JW:KB entitled Shoal Bay Waste Disposal Facility Refrigerant Degassing, be received and noted.
- B. THAT Council continue to educate the community regarding the disposal of goods containing refrigerant gasses.

JOY WELSHMAN
TEAM COORDINATOR
DEVELOPMENT & WASTE
MANAGEMENT

LUCCIO CERCARELLI
GENERAL MANAGER -
INFRASTRUCTURE

Any queries on this report may be directed to Joy Welshman on 89300413 or j.welshman@darwin.nt.gov.au

ENCL: NO

DARWIN CITY COUNCIL

DATE: 03/11/2010

REPORT

TO: ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN **APPROVED:** JW

FROM: GENERAL MANAGER INFRASTRUCTURE **APPROVED:** LC

REPORT NO: 10TS0223JW:kb

COMMON NO: 1845353

SUBJECT: E-WASTE COLLECTION AT SHOAL BAY WASTE DISPOSAL FACILITY

ITEM NO: 9.12**SYNOPSIS:**

This report provides an update of the collection and disposal of E-Waste and mercury containing products at the Shoal Bay Waste Disposal Facility as requested by Council at the July 2010 Second Ordinary Council Meeting.

A report was submitted to the Environment & Infrastructure Committee in November 2010, it was resolved that the report lay on the table:

E-Waste Collection at Shoal Bay Waste Disposal Facility

Report No. 10TS0223JW:kb (03/11/10) Common No. 1845353

At the Environment & Infrastructure Committee held on Monday, 22 November 2010, this item was laid on the table until further information is received.

THAT Report Number 10TS0223JW:kb entitled, E-Waste Collection at Shoal Bay Waste Disposal Facility, be received and noted.

DECISION NO.20\3494 (30/11/10)

Carried

The report is represented for consideration.

PAGE: 2
REPORT NUMBER: 10TS0223JW:kb
SUBJECT: E-WASTE COLLECTION AT SHOAL BAY WASTE DISPOSAL FACILITY

GENERAL:

At its 2nd Ordinary Meeting in July 2010 Council resolved:

E Waste at Shoal Bay Waste Management Facility

THAT a report be prepared on the management options available for E Waste including mercury containing products at Shoal Bay Waste Management Facility.

DECISION NO. 20\3052 (27/07/10) Carried

Staff have investigated the matter and advise the following.

The recently awarded Recycle Centre Contract, includes the recycling or reselling of domestic quantities of E-waste and light globes. The previous contractor did not provide this service.

Council's contractor, Northern Territory Recycling Solutions (NTRS) are safely managing the disposal of E-waste items after either residents drop the products off at the Centre or the items are reclaimed from the transfer facility or landfill cells. In the first month of the contract 1.5 tonnes of E-waste was recovered. The products were shredded, baled and taken off site for recycling of plastic, glass and metals. 98% of E-waste was recyclable by weight.

Measures are being implemented to collect mercury containing product being domestic quantities of light globes and this should be implemented in December 2010. Future Waste and Recycling Reports to the Environment & Infrastructure Committee and Council will contain updates of the progress of this service.

It is expected as the education of the community is increased and residents are informed of the scope of materials that can be recycled at the Centre that recycled quantities will increase reducing product going to landfill and improving the environmental outcomes.

FINANCIAL IMPLICATIONS:

Operation is undertaken within existing operational budgets. There will be some reduced costs of landfill as product is diverted and recycled.

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STRATEGIC PLAN IMPLICATIONS:

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

1 Achieve Effective Partnerships and Engage in Collaborative Relationships

Outcome

1.2 Effectively engage with community

Key Strategies

1.2.3 Engage, communicate and consult with the community including schools

Goal

4 Create and Maintain an Environmentally Sustainable City

Outcome

4.3 Increase efficiency of waste management

Key Strategies

4.3.1 Continue to lobby for, provide and develop contemporary waste management practices

LEGAL IMPLICATIONS:

This item is not considered "Confidential".

ENVIRONMENTAL

Improved environmental outcomes for the Darwin Community as recycling options are increased and developed diverting waste from landfill and enhancing the environment.

PUBLIC RELATIONS IMPLICATIONS:

Positive as improves environmental outcomes and increased services to the community.

COMMUNITY SAFETY IMPLICATIONS:

Materials are stored and disposed of in a safe manner.

DELEGATION:

Not required

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CONSULTATION:

Northern Territory Recycling Solutions

PROPOSED PUBLIC CONSULTATION PROCESS:

Ongoing public education of products being recycled at Shoal Bay is being implemented by Council and the contractor Northern Territory Recycling Solutions.

APPROPRIATE SIGNAGE:

Signage for the Recycle Centre is being reviewed currently.

RECOMMENDATIONS:

THAT it be a recommendation to Council:-

THAT Report Number 10TS0223JW:kb entitled E-Waste Collection at Shoal Bay Waste Disposal Facility, be received and noted.

JOY WELSHMAN
TEAM LEADER DEVELOPMENT AND
WASTE MANAGEMENT

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Joy Welshman on 89300413 or j.welshman@darwin.nt.gov.au

OPEN SECTION

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Environment & Infrastructure Committee Meeting - Monday, February 2011

10 GENERAL BUSINESS

Nil